



**AMERICAN COPPER**  
DEVELOPMENT CORP

# Q1 CORPORATE UPDATE

FEBRUARY 2023

CSE: ACDX

# FORWARD LOOKING STATEMENTS

This presentation contains forward-looking statements and forward-looking information (collectively, “forward-looking statements”) within the meaning of applicable Canadian and US securities legislation. All statements, other than statements of historical fact, included herein including, without limitation, statements regarding any potential increase in shareholder value through the acquisition of undervalued precious metal deposits for development, joint venture or later disposition, the potential to partner with mine developers to achieve production at any of the Company’s properties (existing or future); the potential for the capital costs associated with any of the Company’s existing or future properties to be low; the potential for the Company to outline resources at any of its existing or future properties, or to be able to increase any such resources in the future; concerning the economic outlook for the mining industry and the Company’s expectations regarding metal prices and production and the appropriate time to acquire precious metal projects, the liquidity and capital resources and planned expenditures by the Company, the anticipated content, commencement, timing and cost of exploration programs, anticipated exploration program results and the anticipated business plans and timing of future activities of the Company, are forward-looking statements. Forward-looking statements are based on a number of assumptions which may prove incorrect, including, but not limited to, assumptions about the level and volatility of the price of gold; the timing of the receipt of regulatory and governmental approvals; permits and authorizations necessary to implement and carry on the Company’s planned exploration programs at its properties; future economic and market conditions; the Company’s ability to attract and retain key staff; and the ongoing relations of the Company with its underlying lessors, local communities and applicable regulatory agencies.

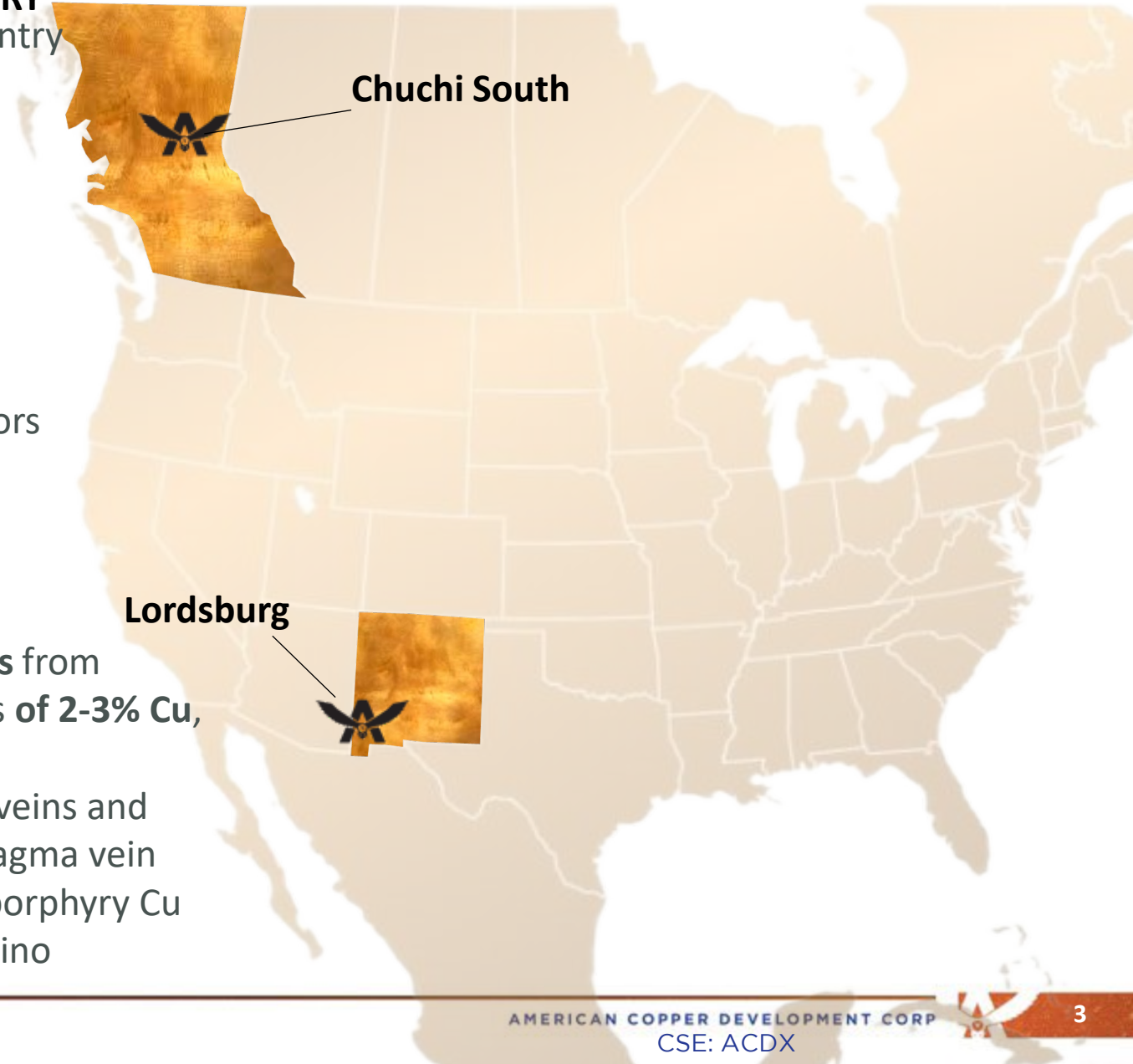
Accordingly, the Company cautions that any forward-looking statements are not guarantees of future results or performance, and that actual results may differ, and such differences may be material, from those set out in the forward-looking statements as a result of, among other factors, variations in the nature, quality and quantity of any mineral deposits that may be located, the Company’s inability to obtain any necessary permits, consents or authorizations required for its activities, material adverse changes in economic and market conditions, changes in the regulatory environment and other government actions, fluctuations in commodity prices and exchange rates, the inability of the Company to raise the necessary capital for its ongoing operations, and business and operational risks normal in the mineral exploration, development and mining industries, as well as the risks and uncertainties disclosed in the Company’s most recent management discussion and analysis filed with various provincial securities commissions in Canada, available at [www.sedar.com](http://www.sedar.com). The Company undertakes no obligation to update publicly or release any revisions to these forward-looking statements to reflect events or circumstances after the date of this presentation or to reflect the occurrence of unanticipated events except as required by law. All subsequent written or oral forward-looking statements attributable to the Company or any person acting on its behalf are qualified by the cautionary statements herein.



# AMERICAN COPPER OVERVIEW

## AMERICA'S NEWEST COPPER PLAY IN ELEPHANT COUNTRY

- ✓ Tier One US Jurisdiction: New Mexico is porphyry country
- ✓ World Class Mineral Potential
- ✓ Well established regulatory environments
- ✓ Proven Leadership with Successful Track Records
- ✓ Well organized Capital Structure with Strategic Investors
- ✓ **Lordsburg:**
  - △ Located in Porphyry Country
  - △ Excellent Infrastructure
  - △ **Significant historical production: 3-4 million tons** from polymetallic veins with average hypogene grades of **2-3% Cu**, 2-3 opt Ag and ~0.11 opt Au.
  - △ **Robust porphyry system target** with high-grade veins and associated skarn potential - analogous to the Magma vein system spatially associated with the Resolution porphyry Cu deposit and skarn association with Santa Rita/Chino



# LEADERSHIP



**Rick Van Nieuwenhuyse**  
**Chairman**

Mr. Van Nieuwenhuyse was appointed to serve as President & CEO of **CONTANGO ORE** in 2020. He previously served as President & CEO of **Trilogy Metals Inc.** from January 2012 until December 2019.

Between May 1999 and January of 2012, he served as the President & CEO of **NOVAGOLD, Inc.**, a company that he founded. He served as the Vice President of Exploration for Placer Dome from 1990 to 1997. Mr. Van Nieuwenhuyse holds a Candidature degree in Science from Université de Louvain, Belgium and a Master of Science degree in Geology from the University of Arizona. Mr. Van Nieuwenhuyse currently serves on the board of directors of **Alexco Resource Corp** and **SolidusGold Inc.** Mr. Van Nieuwenhuyse has over forty years of experience.



**Daniel Schieber**  
**President & CEO**

Mr. Schieber established his career in metals and mining finance as an analyst for the Stabilitas Group of Funds in 2005. During this time the fund grew from 3M EUR under management to 240M EUR becoming the best performing Gold/Silver fund in Germany.

In 2009, he co-founded Euroscandic International Group where he raised upwards of \$350M in project financing for specific development projects in the mining sector. In 2011-2015, he pivoted to Canadian-based farmland investments, where he became **Chief Investment Officer** at **Dynamis Capital Corp.**, which focuses on long-term, recession-proof investments with emphasis on gold and silver.



**Blaine Bailey**  
**CFO**

Mr. Bailey is a CPA, CGA working with public and private companies over the past 20 years. Mr. Bailey brings complementary skills to the team in areas of finance, administration, and financial reporting. Mr. Bailey is currently the CFO of GR Silver.

Mr. Bailey received his Bachelor of Commerce degree (Honors) from the University of Manitoba in 1977, and qualified for the CPA, CGA designation in British Columbia in 1983. Mr. Bailey has served in the capacity of **accountant for Molson Brewery B.C. Ltd.** and **controller for Nabob Coffee Co.** with head offices in Zurich, Switzerland.

# BOARD OF DIRECTORS

**Rick Van Nieuwenhuyse & Daniel Schieber** *(See bios on previous page)*

## **Curt Freeman**

Mr. Freeman is a U.S. Certified Professional Geologist and a licensed geologist in the State of Alaska. Since forming Avalon Development in 1985, Curt and his crews have conducted mineral exploration all over Alaska as well as in the Yukon, the western United States, Central America, South America, New Zealand and Africa. He has consulted for numerous major and junior mining companies and he and his team of professionals have been credited with a number of gold, copper, silver, nickel, platinum group, and rare metal discoveries in Alaska and other parts of the world. Currently Director and Founder of Tectonic Metals Inc.

## **Tom Peregoodoff**

Mr Peregoodoff has over 30 years of resource industry experience, much of it in greenfield and brownfield exploration and resource development. He is currently President, CEO and Director of Apollo Silver Corp and a Director of American West Minerals Ltd. Prior to this he was President & CEO of Peregrine Diamonds where he led the company from the resource development phase through to the eventual sale to DeBeers Canada in 2018. Prior to Peregrine, Mr. Peregoodoff spent 18 years in several positions with the mining multinational BHP, culminating in his role as Vice President of Early State Exploration, with global responsibility for all early stage exploration across their commodity groups.

## **Stuart R. Ross**

Mr. Ross has had a distinguished career as a senior officer and director of several public companies, including companies listed on the NASDAQ and TSX Venture exchanges. His sector experience includes mining, beverage production and distribution, medical services, gaming and merchant banking, including 17 years as a senior officer and director of Clearly Canadian Beverage Corp (1986 to 2003). Most recently, Stuart was President and CEO of El Tigre Silver Corporation, a TSX Venture listed silver exploration company (2007 to 2015).

## **Andy Bowering** Special Advisor to the Board

Mr. Bowering is a venture capitalist with 30 years of operational experience and leadership in mineral exploration and development metals from early exploration through to production. Mr. Bowering has held senior management positions in a variety of capacities. He has been responsible for the acquisition and sale of several assets and the raising of upwards of \$250 million in development capital. He has operated and managed programs throughout North and South America and abroad. He is a founder, shareholder of Millennial Lithium Corp, and other publicly traded companies focused in the battery metals and precious metals space including Prime Mining Corp.





# TECHNICAL TEAM

## **Bonnie Broman** VP Exploration

Ms. Broman has over 15 years of experience in the natural resource sector most often working in remote exploration sites throughout Alaska and Montana – including the Ambler Mining VMS District, the operating Nixon Fork high grade skarn gold mine, and the Black Butte Copper deposit. She has managed remote logistics and training on several projects as well as having experience working with remote communities. She has been responsible for target generation and geological modeling in addition to QA/QC and database management. Database management includes designing logging systems to record all manner of geological, geochemical and geotechnical data, GIS data management, and QA/QC protocols as well as manipulating data by using 3D modeling tools. In addition, she has several years' experience working in the environmental clean-up industry focused on assessment of site infrastructure related to re-development. Ms. Broman holds a Master's degree from the University of Alaska – Fairbanks completing a geochemical and geo-metallurgical study of the Arctic volcanogenic massive sulfide deposit located in the Ambler Mining District; and an undergraduate degree from Appalachian State University in North Carolina.

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## **Mark Osterberg** Senior Geologist; Project Manager

Dr. Mark Osterberg has worked for thirty years for major and junior precious metal and base metal mining companies, over twenty years as the chief consultant and president of Mine Mappers, LLC, a consultancy to mining companies, government agencies and the investment community. He has provided high level technical expertise to projects in the USA and overseas and has managed multiyear exploration and development projects as well.

He has expertise and experience in porphyry copper and molybdenum systems, including base metal skarns and related deposits, Carlin-type gold systems, shear-zone and volcanic-hosted mesothermal gold systems, magmatic Cu-Ni-PGE and construction materials. His project related experience includes grass-roots, green-fields reconnaissance programs, brownfields exploration and development programs, mine geology and modeling. He has provided technical expertise to investment houses considering financial participation in mining projects. He has developed innovative mapping techniques for regional and mine scale programs, is an expert GIS for Geology practitioner and is fluent in Maptek's Vulcan modeling software. He is a Professional Geologist in Arizona and Wisconsin and a member of Society of Mining, Metallurgy, and Exploration (SME).

# CAPITALIZATION

## CURRENT SHARE POSITION

**SHARES OUTSTANDING**

**82,487,431**

Warrants

385,000

Options

5,200,000

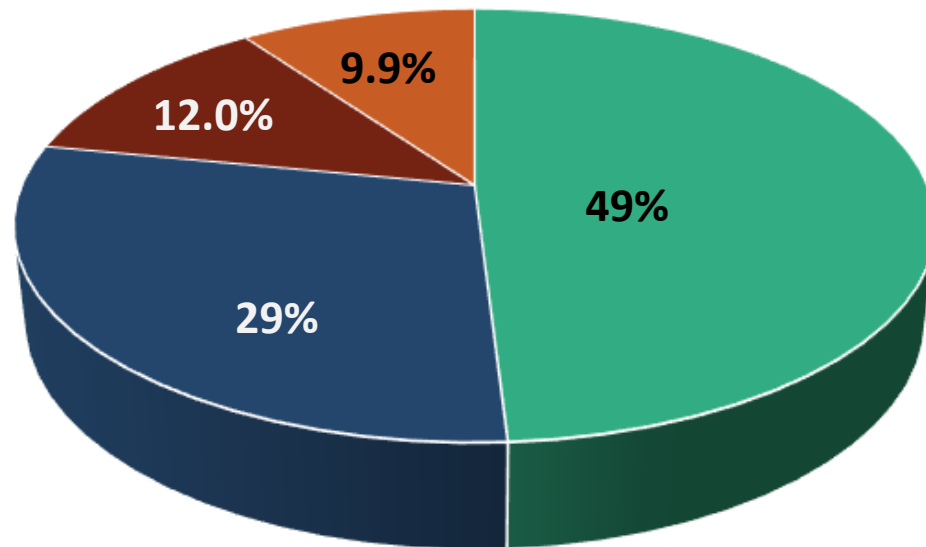
**WORKING CAPITAL**

**\$ 8,500,000 \***

**MARKET CAPITALIZATION**

**\$ 17,322,361**

\*As of November 3, 2022



✓ Proceeds from financing will be used in Exploration Plan outlined in Next Steps

# THE RIGHT LOCATION: PORPHYRY COUNTRY

## TIER 1 JURISDICTION – SOUTHWESTERN USA



Porphyry-related mining districts throughout SE Arizona and SW New Mexico account for 80% of US copper production



Large crustal structures provide plumbing for productive porphyry districts



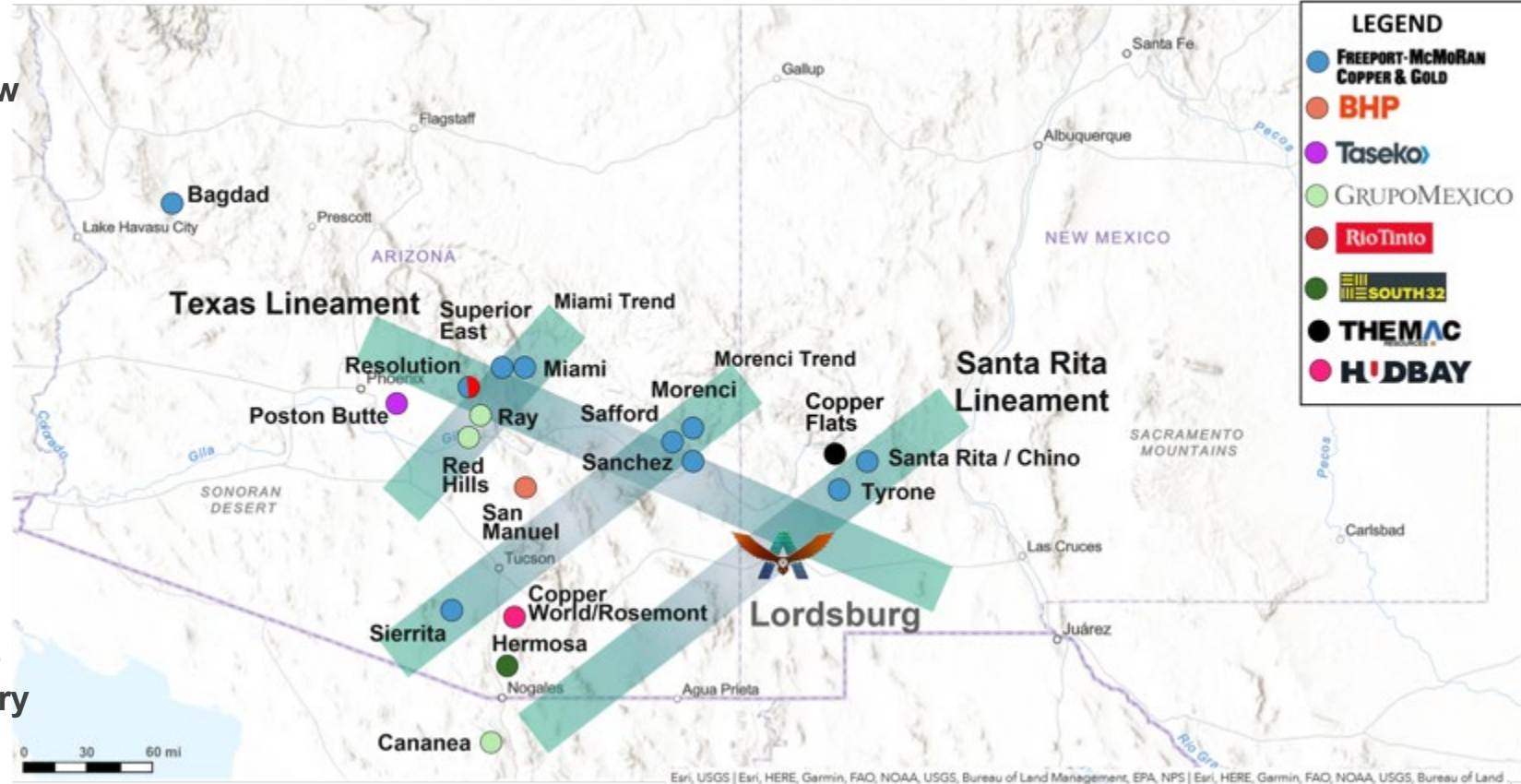
Porphyry mining districts contain vein, skarn, and porphyry stockwork/disseminated deposits



Mining friendly jurisdiction with rule of law and well established regulatory process



Lordsburg represents under-explored opportunity with a recently consolidated land package that will allow for true porphyry exploration





# ASSET OVERVIEW: LORDSBURG, NM

## Property

Past-producing high-grade vein system with compelling porphyry exploration potential

## Location

Less than 5km from Lordsburg, New Mexico at the intersection of two major structural lineaments

## Access

Year-round road access from US Interstate 10 and a well-maintained gravel road

## Land Package

~18,700 acre land package (~50 sq mi) including 100 patented claims totaling ~1,900 acres, adjacent to Rio Tinto and BHP claims

## Infrastructure

Power and major highway within 5 km and railhead at Lordsburg

## Geochemistry

~800 soil samples and ~3,500 rock samples

## Geophysics

Regional magnetic, radiometric and gravity data compiled

## Drilling

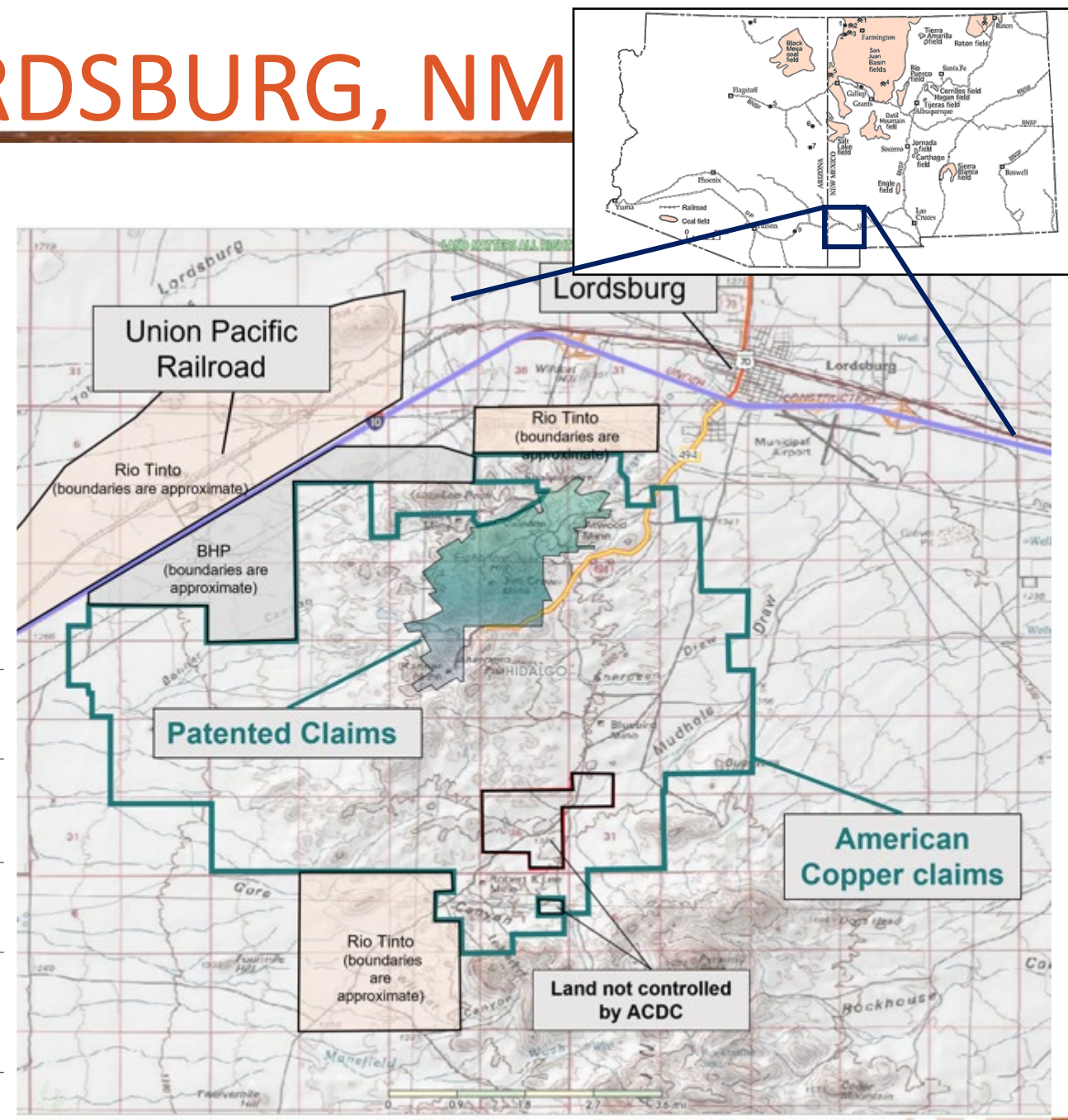
117 surface holes drilled, with data available and extensive underground mapping, sampling & drilling

## Significant Intercepts

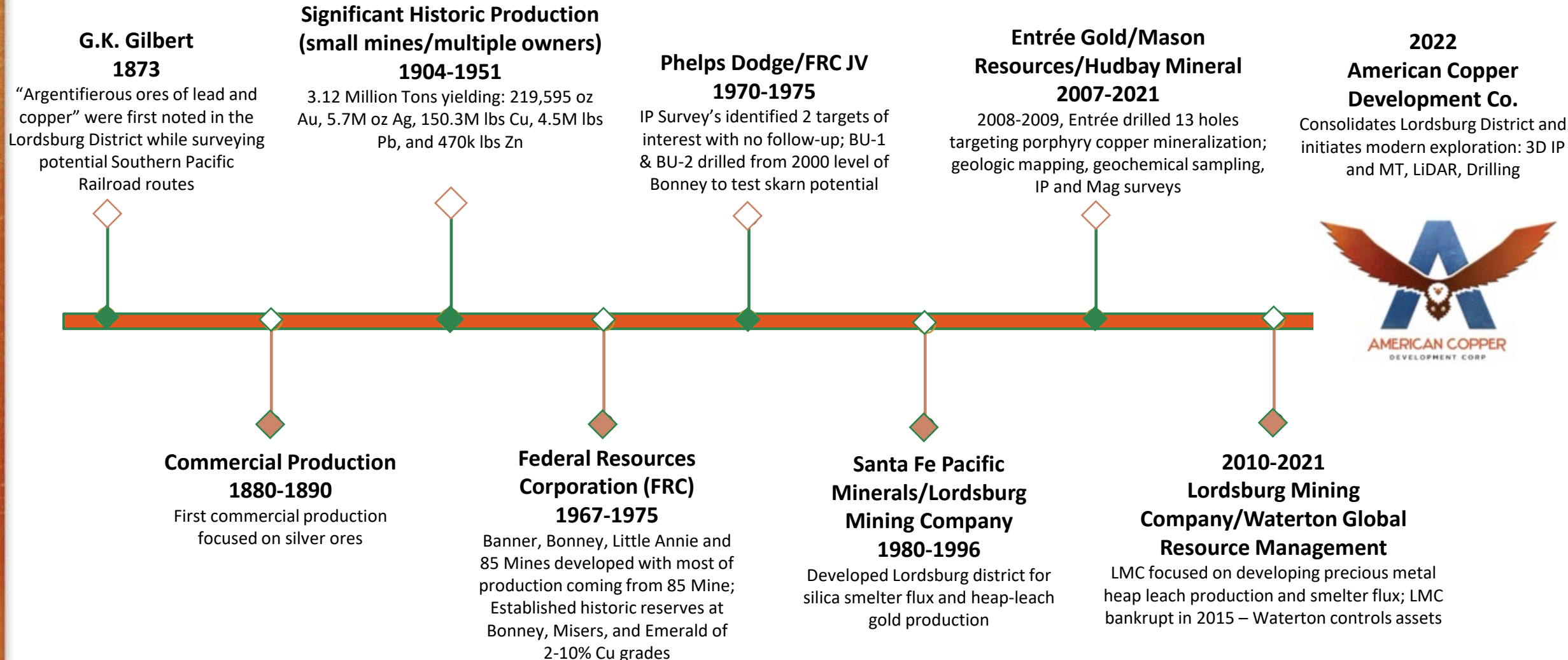
3m of 15% Cu, 1 g/t Au, 8 g/t Ag; 3m of 2.24% Cu, 3.5 g/t Au, 31 g/t Ag; 2m of 9% Cu, 1 g/t Au, 93 g/t Ag

## Historical Production

District produced 3-4M tons at grades of 2-3% Cu, 2-3 opt Ag and ~0.11 opt Au



# LORDSBURG: EXPLORATION & DEVELOPMENT HISTORY





# LORDSBURG PROJECT: PORPHYRY MODEL

## THREE MAIN TYPES OF DEPOSITS ASSOCIATED WITH PORPHYRY DEPOSITS

### ➤ High level veins:

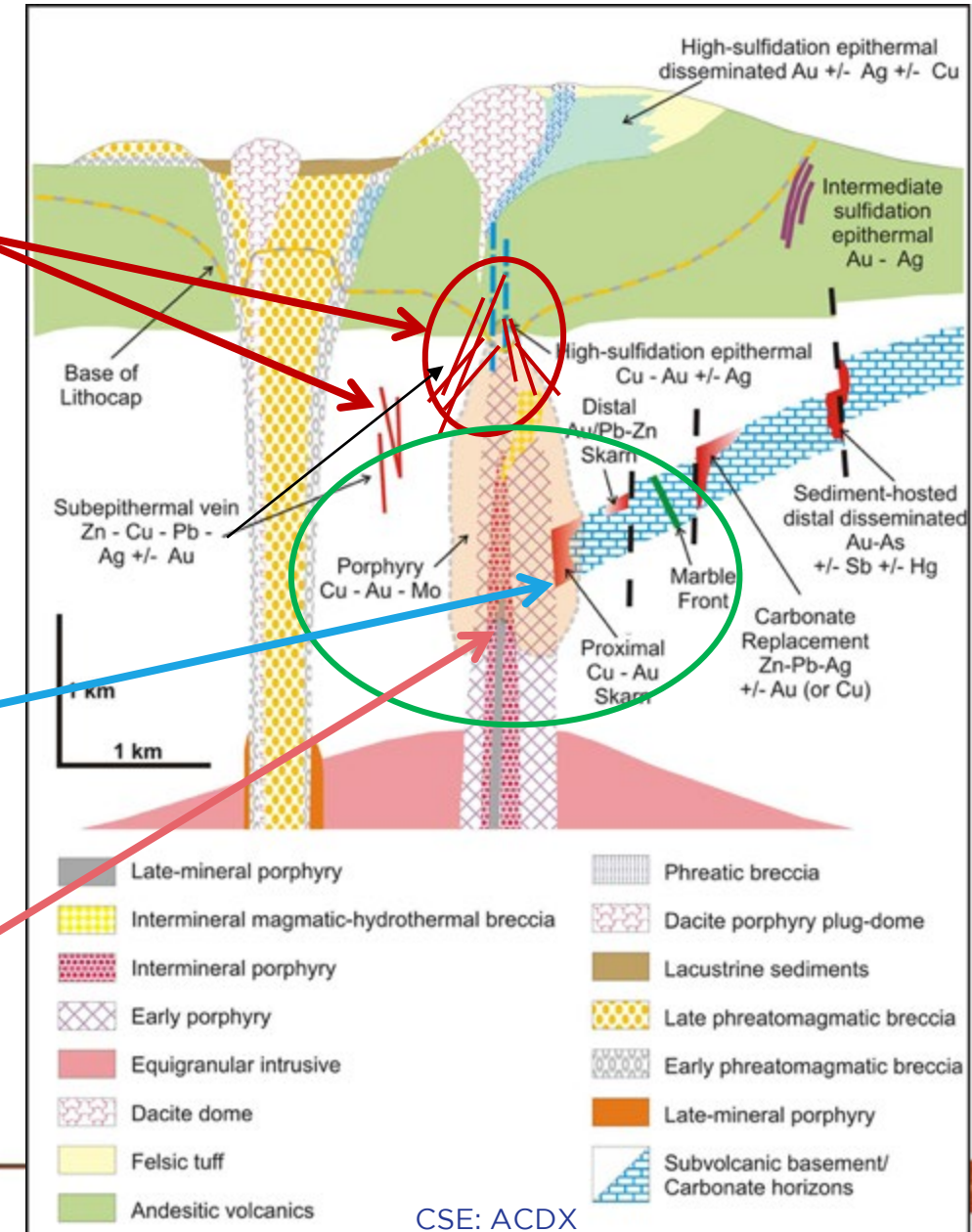
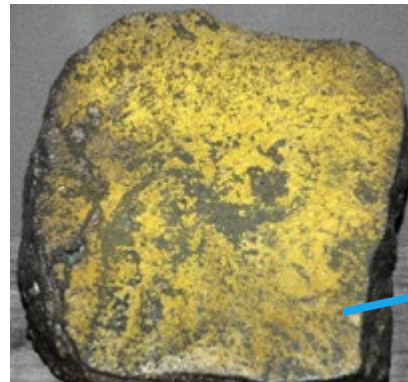
- copper, gold, silver epithermal veins with chalcopryite, bornite, chalcocite
- Found above and adjacent to porphyry systems – classic 'D' veins

### ➤ Skarn:

- Massive to disseminated carbonate replacement deposits
- Hosted in limestones adjacent to productive porphyries
- Typically chalcopryite +/- pyrite, sphalerite

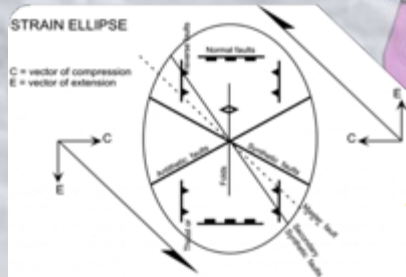
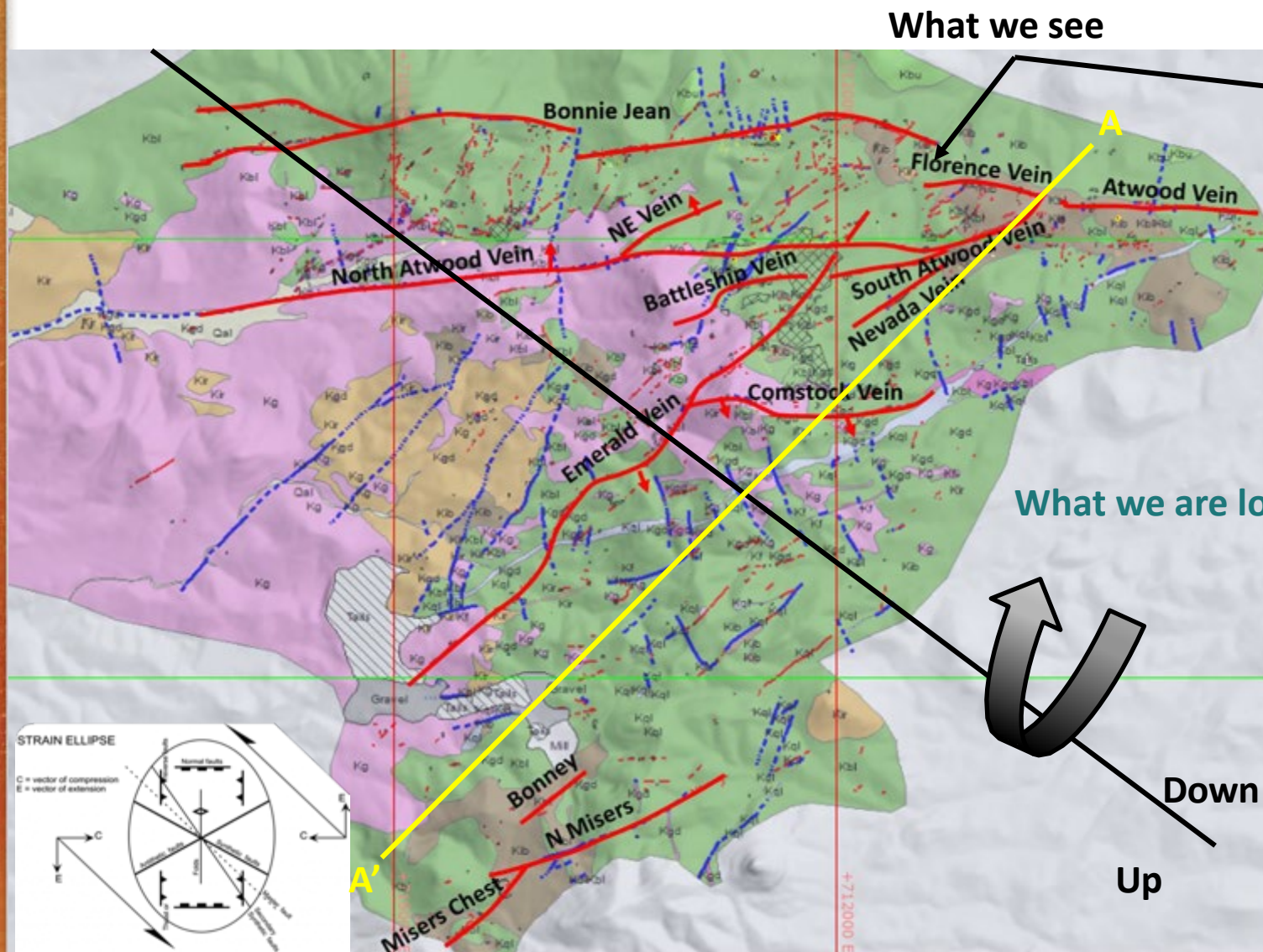
### ➤ Porphyry stock work:

- Disseminated and stock work chalcopryite veins
- Hosted by the productive porphyry and adjacent wallrocks

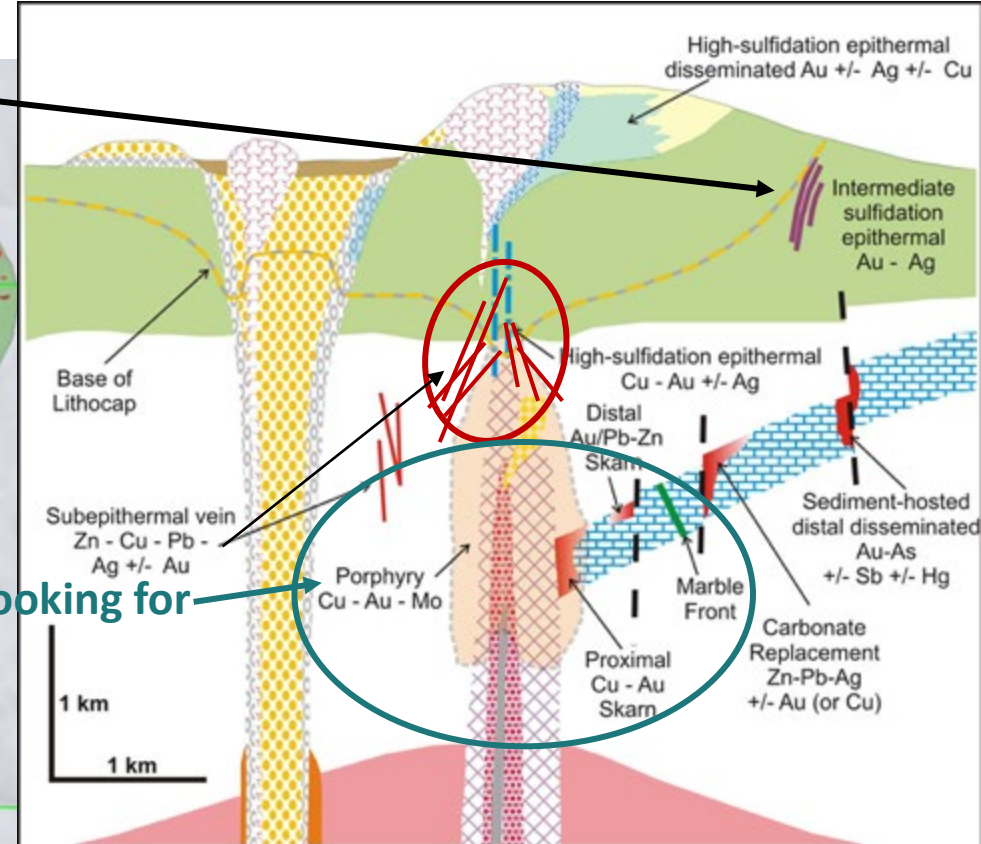




# LORDSBURG: DISTRICT GEOLOGIC CONTEXT

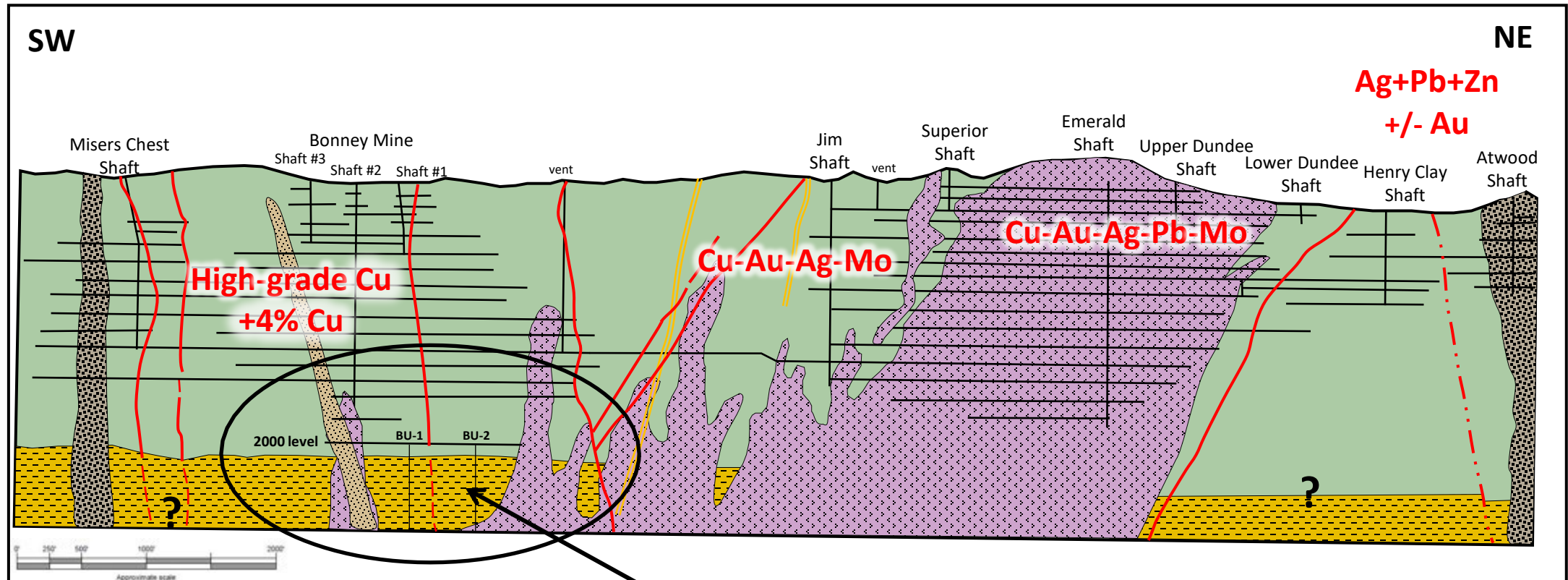


Rotated system – regional geology and local vein orientations and metal zoning



# LORDSBURG PROJECT: LONG SECTION WITH METAL ZONING

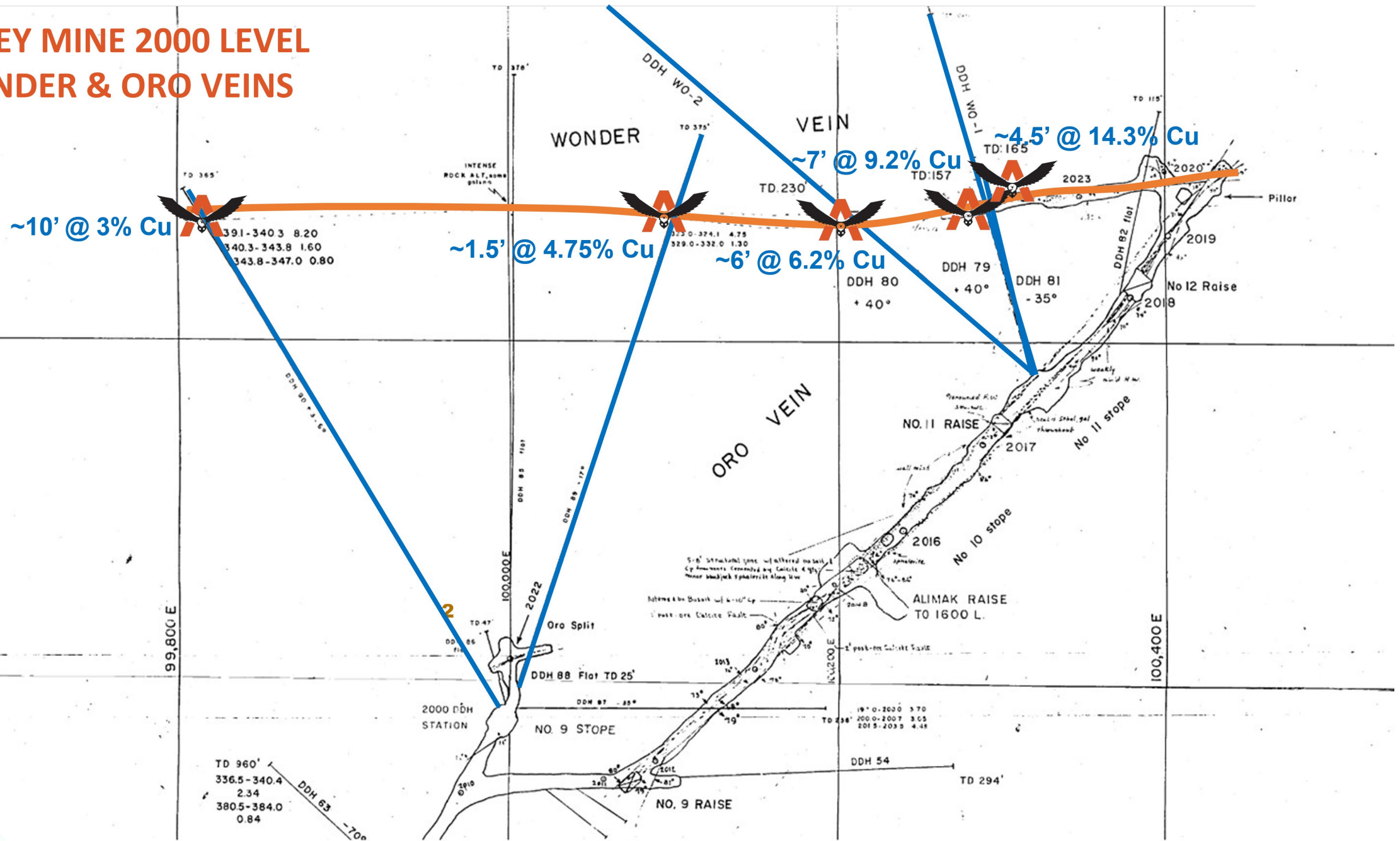
- High level veins – copper, gold, silver epithermal veins with chalcopyrite, bornite, chalcocite
- Metal Zoning: District scale zoning from distal lead-zinc-silver +/- gold in the NE with increasing copper at depth and to the SW



Next Slides Focus Here:  
Represents deepest part of the  
system encountered to date



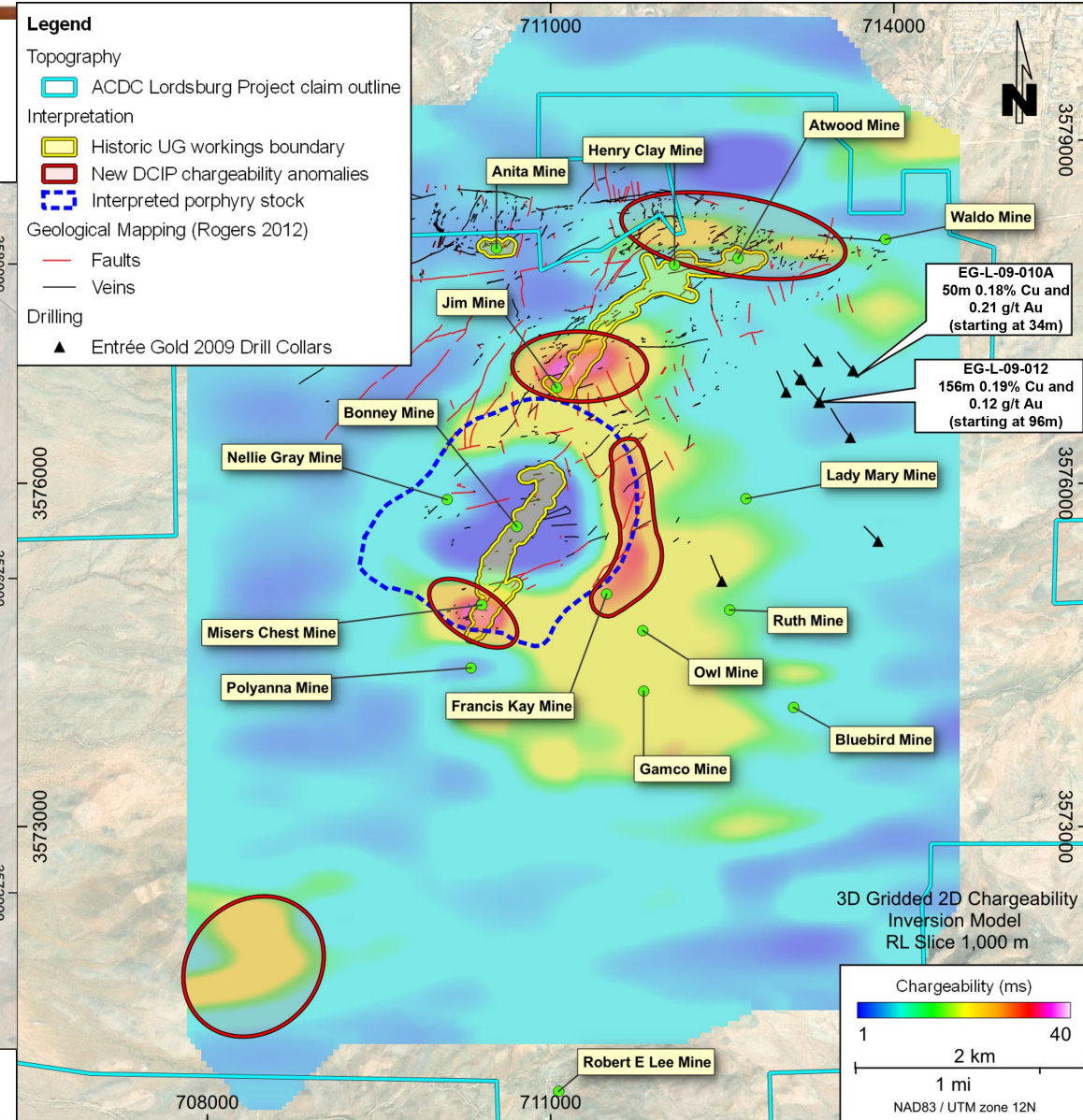
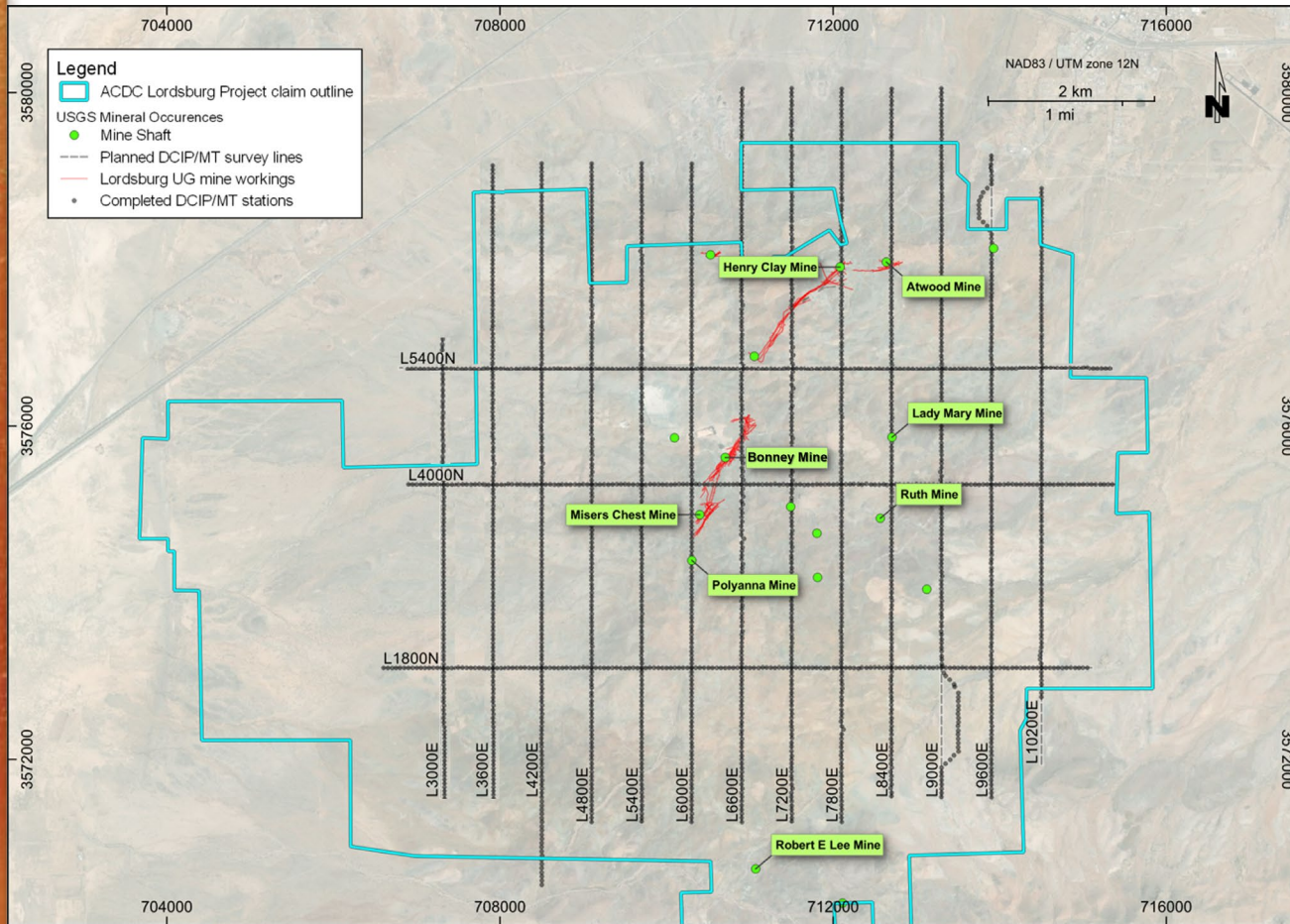
# BONNEY MINE 2000 LEVEL WONDER & ORO VEINS





# LORDSBURG PROJECT: MODERN EXPLORATION

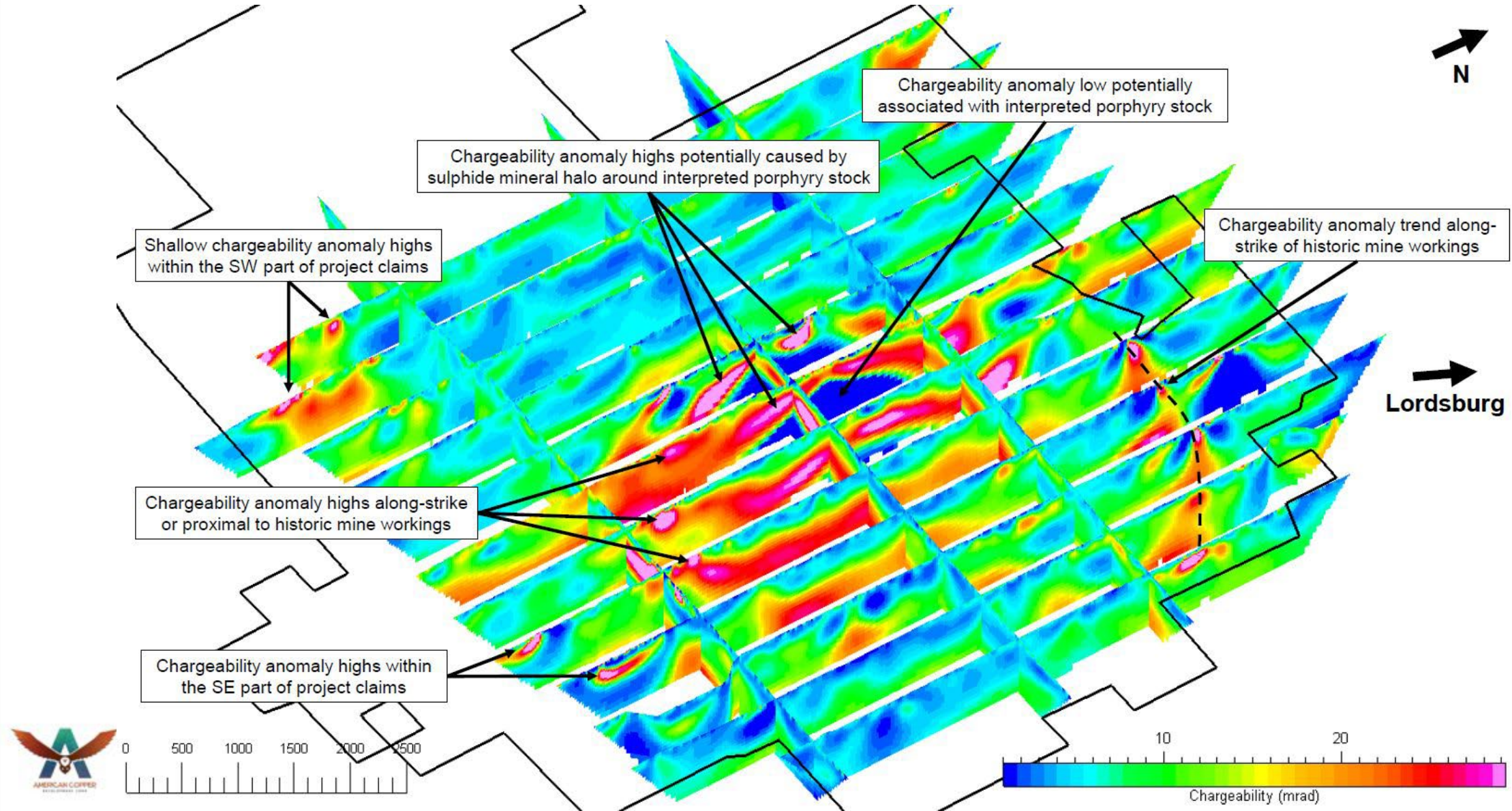
IP Titan Survey(134 line km) completed – 16 lines





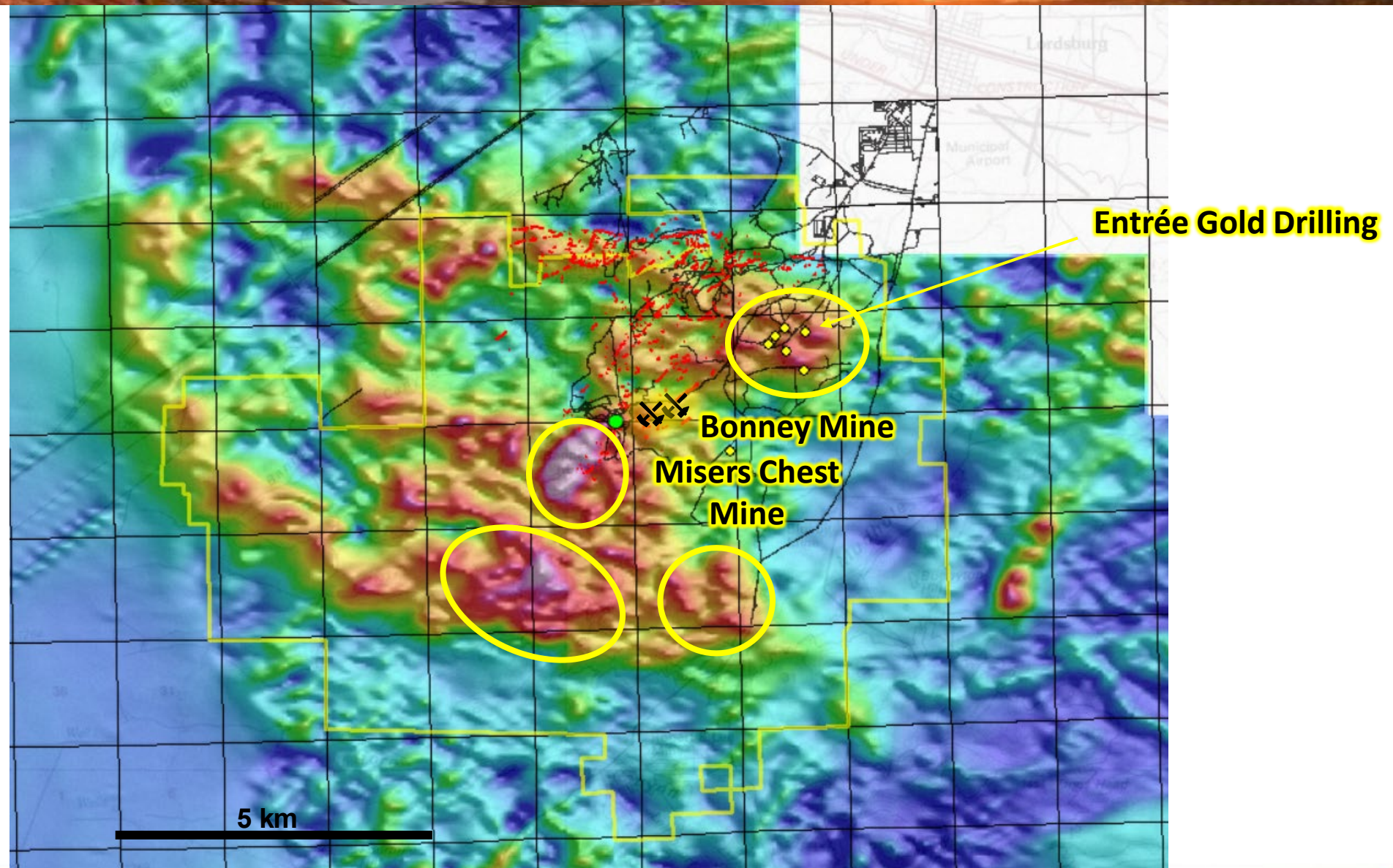
# LORDSBURG PROJECT: MODERN EXPLORATION

2D DCIP/MT Inversions completed (consistent with working model) – 3D models expected by mid-February





# TOTAL MAGNETIC INTENSITY (TMI) & REDUCE TO POLE (RTP)

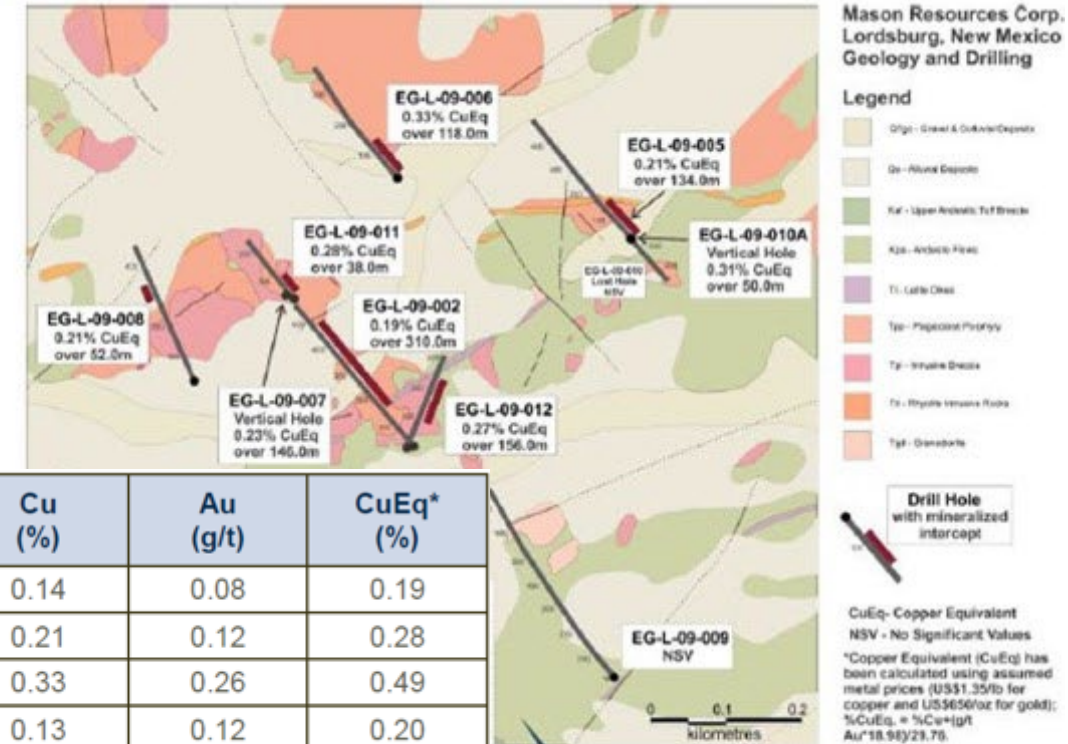




# LORDSBURG PROJECT: ENTRÉE GOLD DRILLING

2008-2009

- Entrée was testing a magnetic high on the edge of their property position
- Holes intersected disseminated and vein mineralization hosted in andesitic volcanics
- All holes intersected low-grade copper mineralization at moderate depths with grades improving with depth



Hole No.	Interval (m)	Length (m)	Cu (%)	Au (g/t)	CuEq* (%)
EG-L-08-002	156.0 - 466.0	310.0	0.14	0.08	0.19
Including	182.0 - 211.3	29.3	0.21	0.12	0.28
including	240.0 - 254.0	14.0	0.33	0.26	0.49
EG-L-08-005	0.0 - 134.0	134.0	0.13	0.12	0.20
EG-L-08-006	11.2 - 130.0	118.8	0.20	0.20	0.32
EG-L-08-007	6.0 - 152.0	146.0	0.13	0.16	0.23
EG-L-08-008	280.0 - 332.0	52.0	0.18	0.05	0.21
EG-L-09-010A	34.0 - 84.0	50.0	0.18	0.21	0.31
And	216.0 - 256.0	40.0	0.15	0.13	0.23
EG-L-09-011	28.0 - 66.0	38.0	0.15	0.20	0.27
EG-L-09-012	96.0 - 252.0	156.0	0.19	0.12	0.26
including	118.0 - 212.0	94.0	0.25	0.15	0.34
including	152.0 - 212.0	60.0	0.31	0.21	0.44

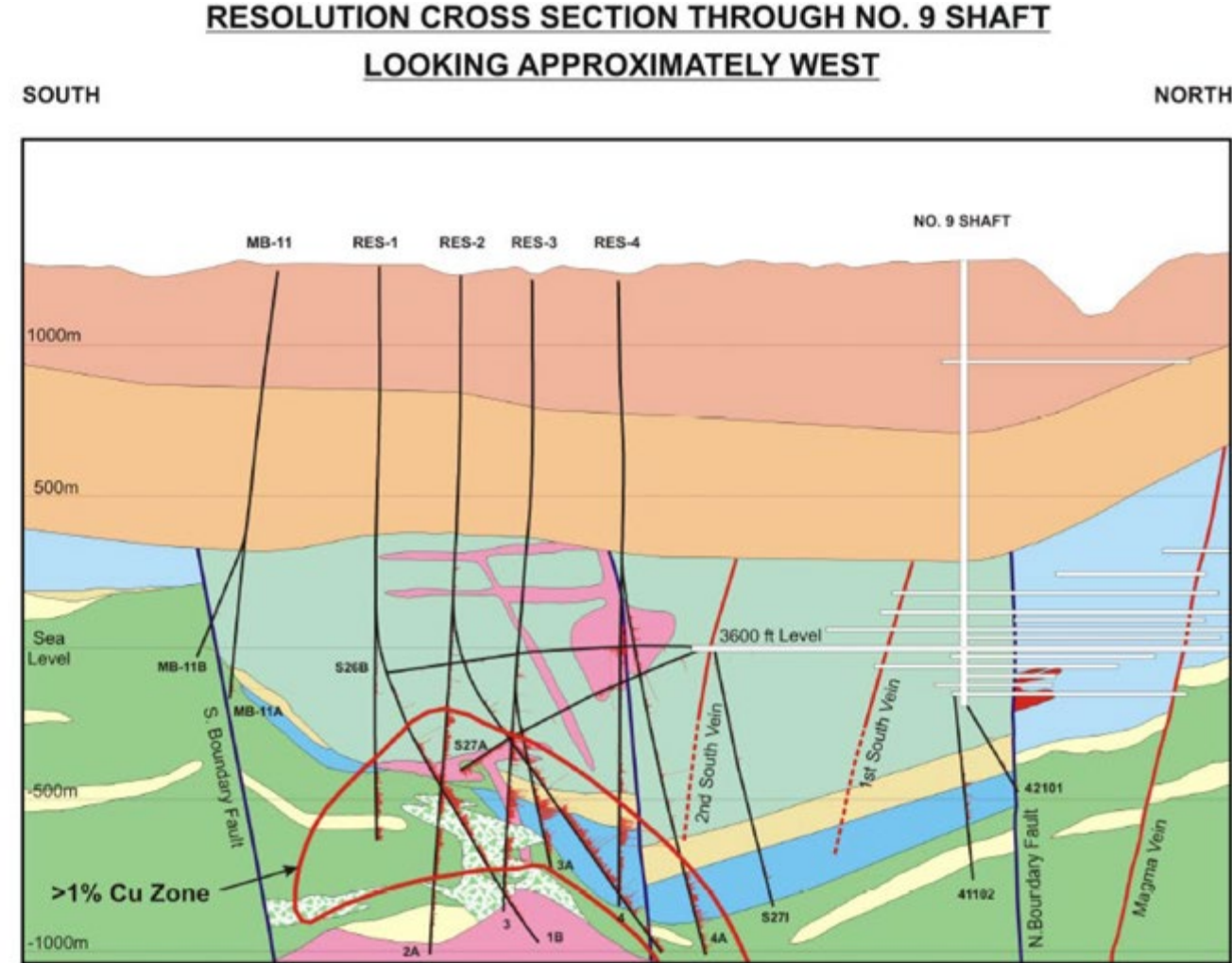
\*Copper Equivalent (CuEq) has been calculated using assumed metal prices (US\$3.00/pound for copper and US\$1,250/ounce for gold) and no metallurgical factor.



CSE: ACDX

# RESOLUTION MODEL: ANALGOUS GEOLOGY

- Resolution is 1.9 billion tonnes grading 1.5% Cu<sup>1</sup>
- Resolution was found by exploring adjacent to and below high-grade copper veins – (e.g., Magma Vein) similar to Lordsburg veins
- Resolution is located in a preserved down-drop Mesozoic basin similar stratigraphy similar to thick Cretaceous sediment package at Lordsburg
- Skarn developed in adjacent carbonates at Resolution – potential for skarn at Lordsburg if carbonates have been preserved



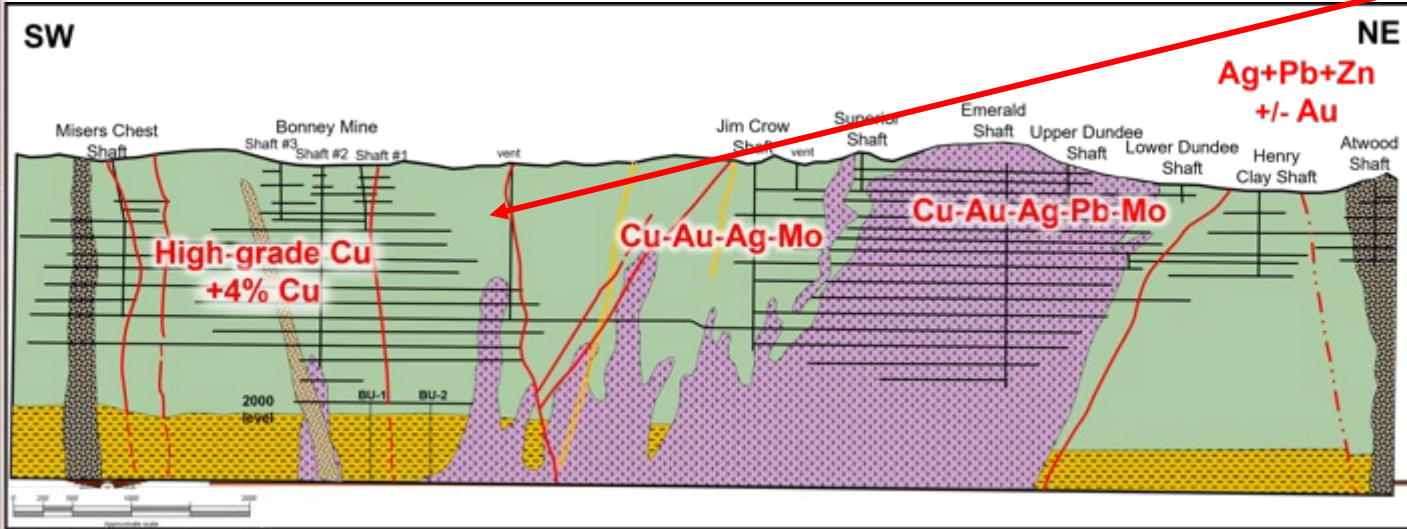
1. See Rio Tinto Annual Report on Production, Reserves and Operations dated 2020 and <https://www.resolutioncopper.com/about-us.html>



# LORDSBURG PROJECT: KEY TAKEAWAYS

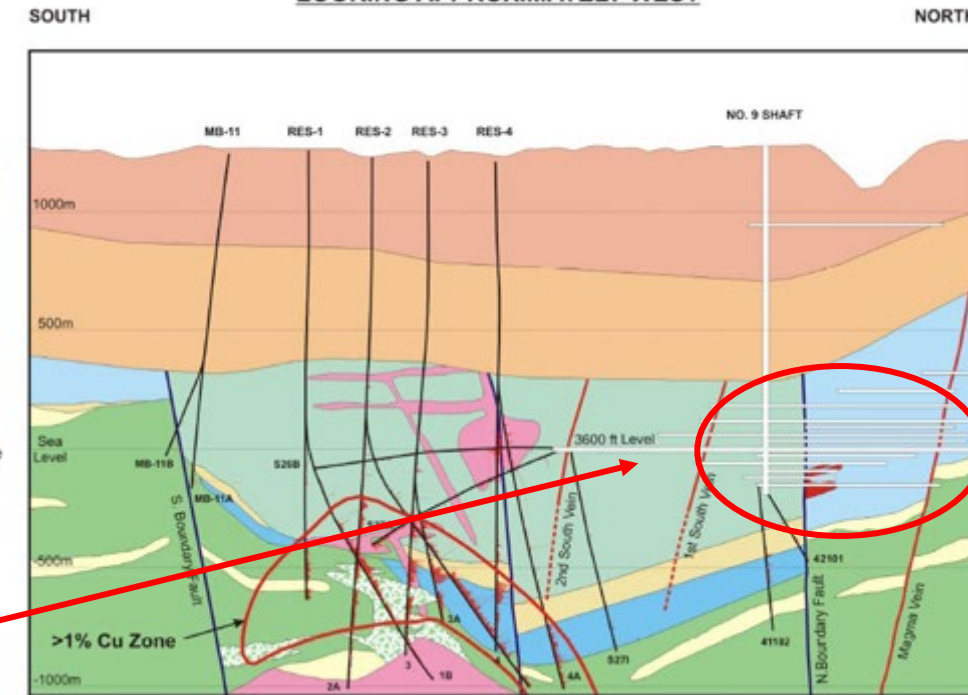
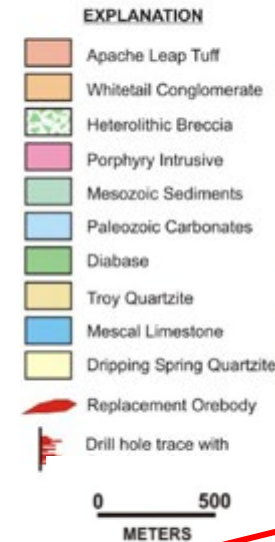
- ✓ Resolution has high-grade copper veins similar to Lordsburg veins at Bonney and Misers Chest
- ✓ Preservation of Cretaceous sediments at Lordsburg similar to Mesozoic basin at Resolution
- ✓ Potential for skarn development at Lordsburg providing Paleozoic carbonates have not been eroded
- ✓ Resolution is a magnetic and magnetotelluric high – Lordsburg has large magnetic high over and adjacent to Bonney and Misers Chest

## LORDSBURG



## RESOLUTION CROSS SECTION THROUGH NO. 9 SHAFT

LOOKING APPROXIMATELY WEST



**Resolution is 1.9 billion tonnes  
grading 1.5% Cu<sup>1</sup>**

1. See Rio Tinto Annual Report on Production, Reserves and Operations dated 2020 and <https://www.resolutioncopper.com/about-us.html>



# EXPLORATION PLAN

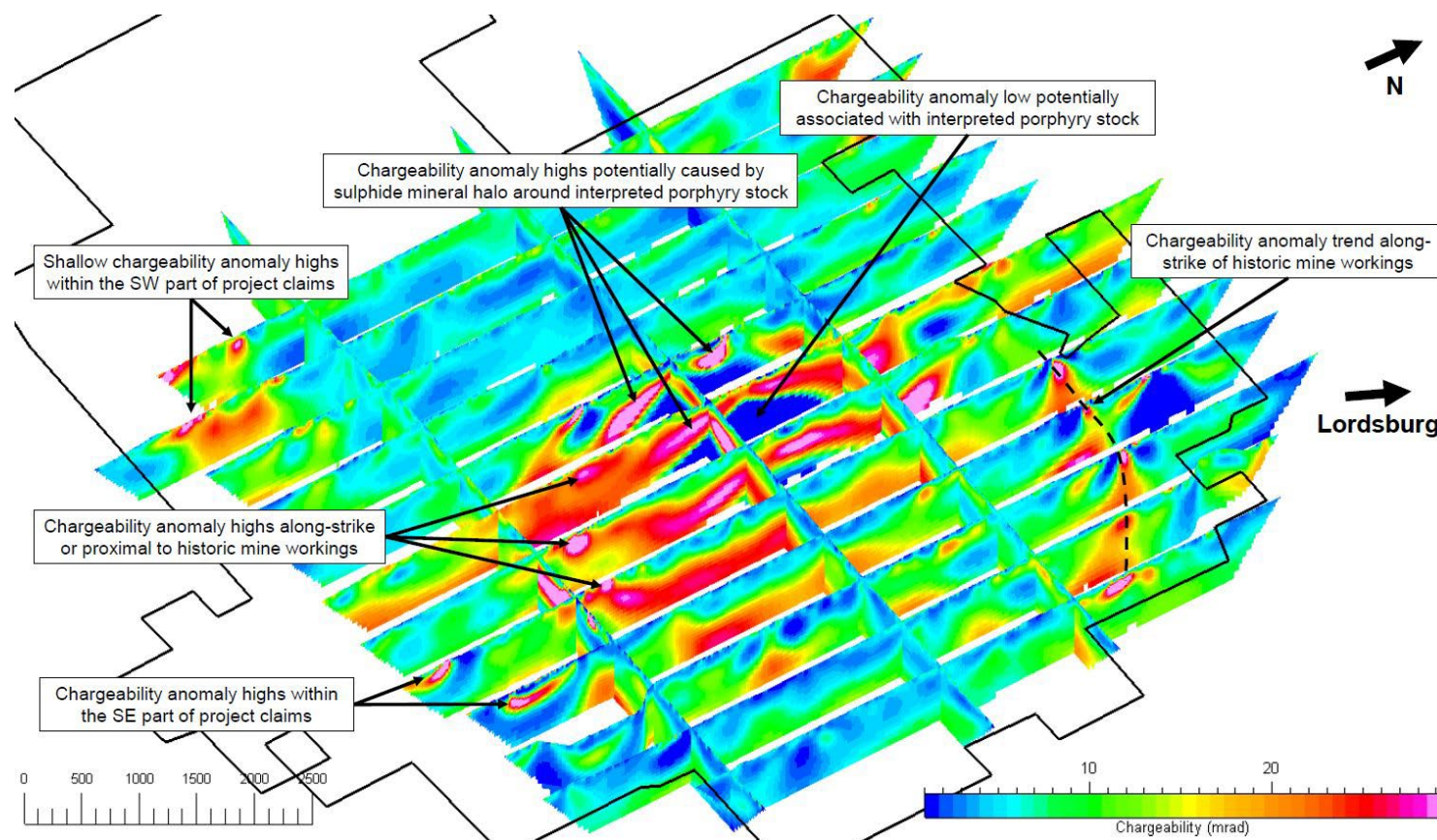
## • Phase 1

- ✓ Conduct 3D IP, Magnetotellurics, MAG (COMPLETED)
- ✓ LIDAR Interpretation (COMPLETED)
- Surface geologic mapping & soil geochemistry programs
- Evaluate Porphyry drill targets
- Evaluate high level vein & stockwork (leach) Cu and or Au potential (lower priority)

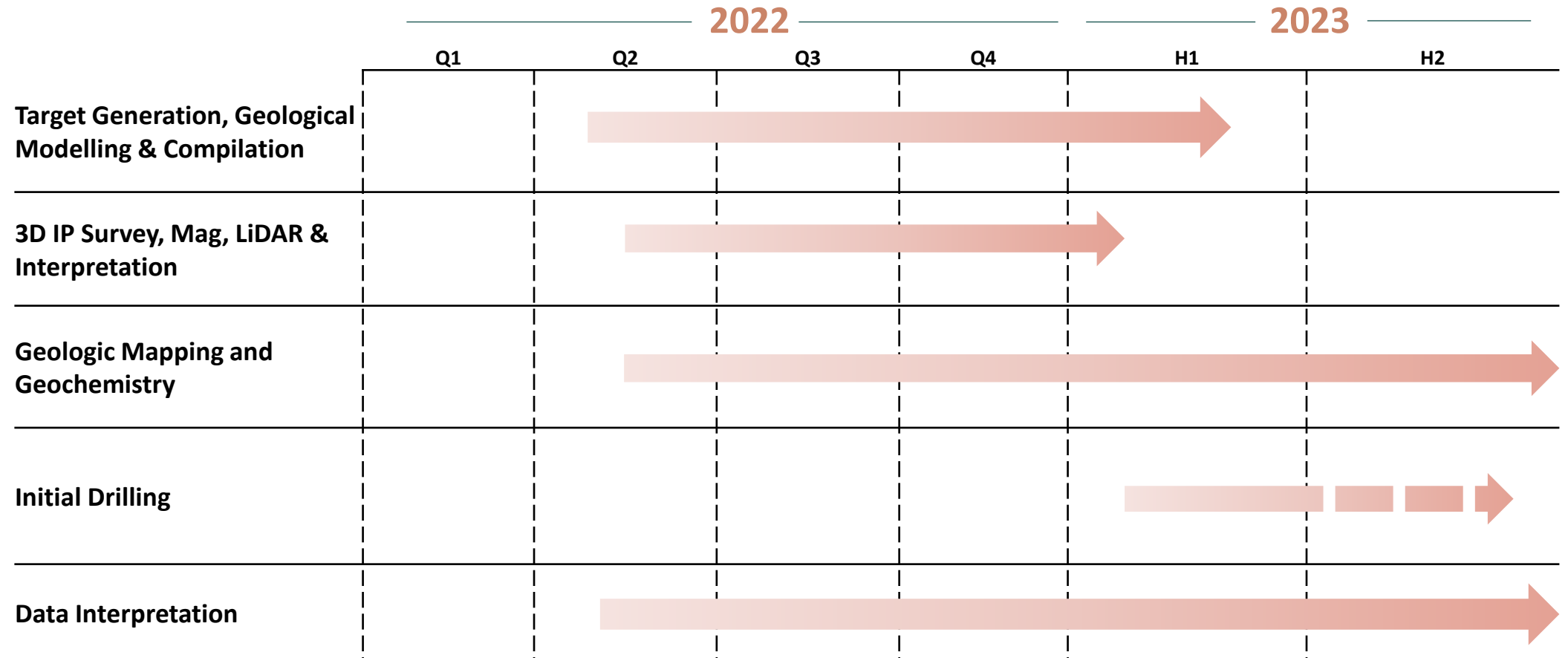
## • Phase 2

- **Drill – starting mid-February**

IP Titan Survey – 134 line km



# LORDSBURG PROJECT: SCHEDULE





# WHY INVEST IN AMERICAN COPPER

- ✓ Tier One US Jurisdiction: New Mexico is porphyry country
- ✓ World Class Mineral Potential
- ✓ Well established regulatory environments
- ✓ Proven Leadership with Successful Track Records
- ✓ Well organized Capital Structure with Strategic Investors
- ✓ **Lordsburg:**
  - ⚡ **Excellent Infrastructure:** Interstate, rail and power
  - ⚡ **High-grade copper veins** at Bonney, Misers Chest & Emeralds mines
  - ⚡ **Large Magnetic highs** over and adjacent to Bonney and Misers Chest mines
  - ⚡ **Analogous geology** to the Resolution porphyry copper system (Magma Vein) as well as the porphyry/skarn mineralization associated with nearby Santa Rita/Chino system (+1B tonnes)
  - ⚡ **Robust porphyry target** – high-grade copper veins adjacent to magnetic highs







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DEVELOPMENT CORP

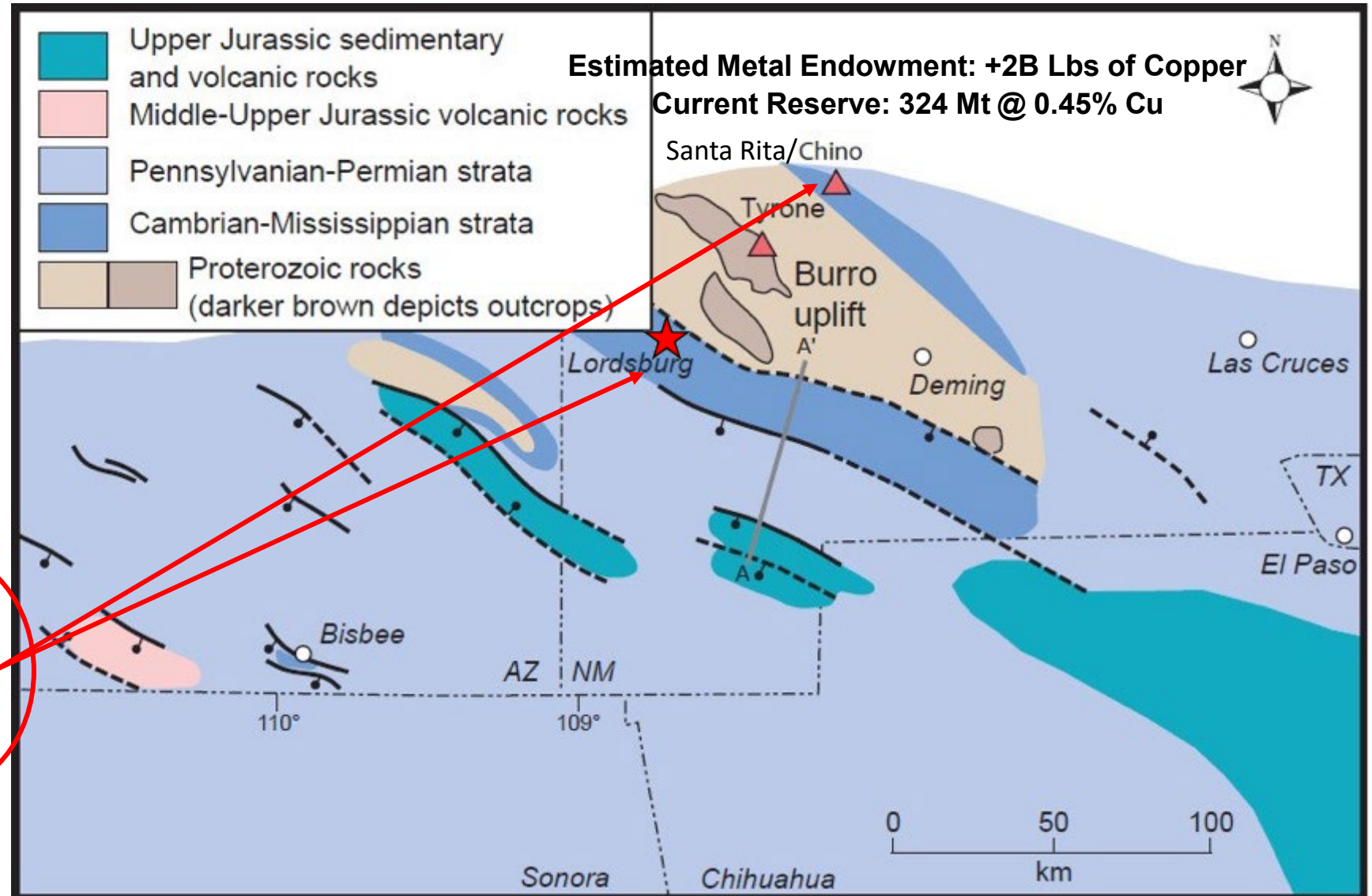




# LORDSBURG PROJECT: PORPHYRY & SKARN POTENTIAL

Stratigraphic units in the Cobre Mountain:  
(modified from Jones et al., 1967)

Pliocene to Miocene	Gila Conglomerate	
Miocene	Basaltic andesite and volcanoclastic sediments	
Eocene	Kneeling Nun Tuff	
	Sugarlump Fm.	
	Rubio Peak Fm.	
Paleocene (?)	Andesite breccia	
Upper Cretaceous	Colorado Fm.	
Upper Cretaceous	Beartooth Quartzite	
Lower Permian	Abo Fm.	
Upper Pennsylvanian	Syreneia Fm.	
Middle to Upper Pennsylvanian	Oswaldo Fm.	
Lower Mississippian	Lake Valley Ls.	
Upper Devonian	Percha Shale	
Silurian	Fusselman Dol.	
Upper to Middle Ordovician	Montoya Fm.	
Lower Ordovician	El Paso Fm.	
Upper Cambrian	Bliss Fm.	
Proterozoic	Gneiss, granite, basalt	



# 2000 LEVEL – BONNEY MINE

- Represents deepest understanding of stratigraphy
- BU-1 = drilled from 2000 level of Bonney Mine and represents a 4040' drill hole depth from surface
- Deepest drill hole had mineralized granodiorite at end of hole
- Potential skarn mineralized Paleozoic Limestones at depth

## Stratigraphy from drilling:

