

James A. Briscoe – CEO/Chief Geologist
**“Discovery of a Previously Unrecognized Buried Massive
Porphyry Copper Mineral System in SE Arizona”**

THE TREASURE OF COCHISE

CENTERED WITHIN THE GREAT CLUSTER COPPER & GOLD RESOURCES

As defined by the US Geological Survey (USGS)

The Hay Mountain Porphyry Copper - Gold Prospect, Cochise County Arizona





**James A. Briscoe P. Geo. CA, AZ
CEO/President/Chief Geologist**

+1 520-907-9492

JBriscoe@Libertystaruranium.com



**Stock Symbol: LBSR
Stock Exchanges: *OTCBB, OTCMarkets***

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+1 520-425-1433

info@LibertyStarUranium.com

www.LibertyStarUranium.com

**RISK FACTORS FOR OUR
COMPANY ARE SET OUT IN
OUR 10-K AND OTHER
PERIODIC FILINGS FILED WITH
THE SEC ON EDGAR.**

Mailing Address:
Liberty Star Uranium &
Metals Corp.
5610 E. Sutler Lane
Tucson, AZ 85712

Transfer Agency:
Nevada Agency and Transfer
50 W Liberty St Ste 880
Reno, NV 89501
www.natco.org

Independent Auditors:
MaloneBailey, LLP
10350 Richmond, Ste 800
Houston, TX 77042
www.malonebailey.com

Legal Counsel:
Legal & Compliance, LLC
330 Clematis Street Ste. 217
West Palm Beach, FL 33401
www.legalandcompliance.com

NATURAL RESOURCE OVERVIEW

Hay Mountain Project Copper & Gold Prospect



copper, silver & gold line up on the Periodic Chart of Elements



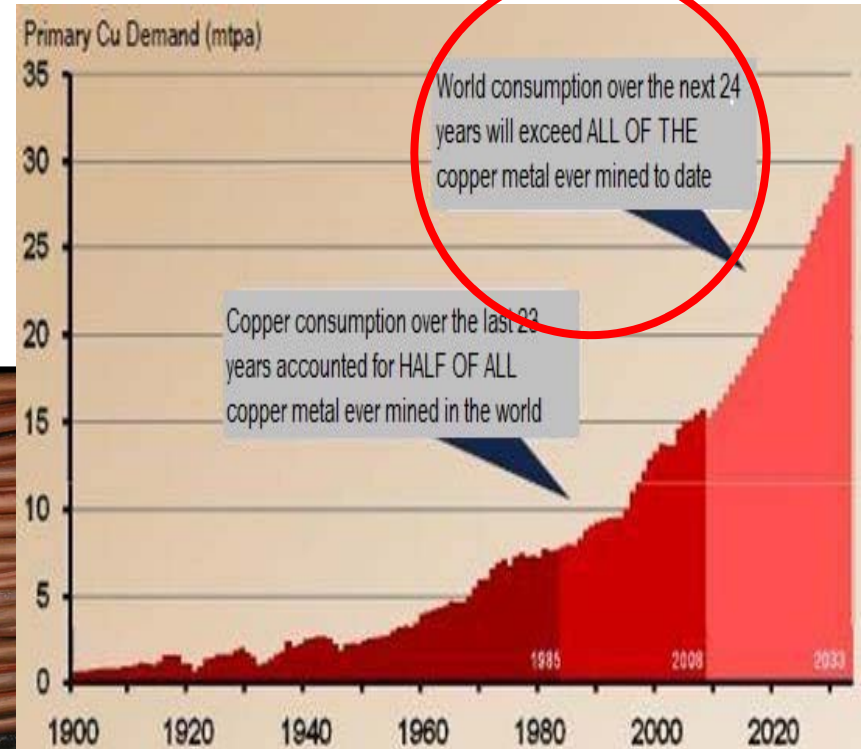
Copper is a "ductile" metal that can be stretched into a wire format with very high thermal and electrical conductivity

They share many characteristics but of most importance are heat and electrical conductivity. Copper is the third precious metal. It is relatively inexpensive and an outstanding conductor of heat and electricity. It is much less expensive than Gold & Silver

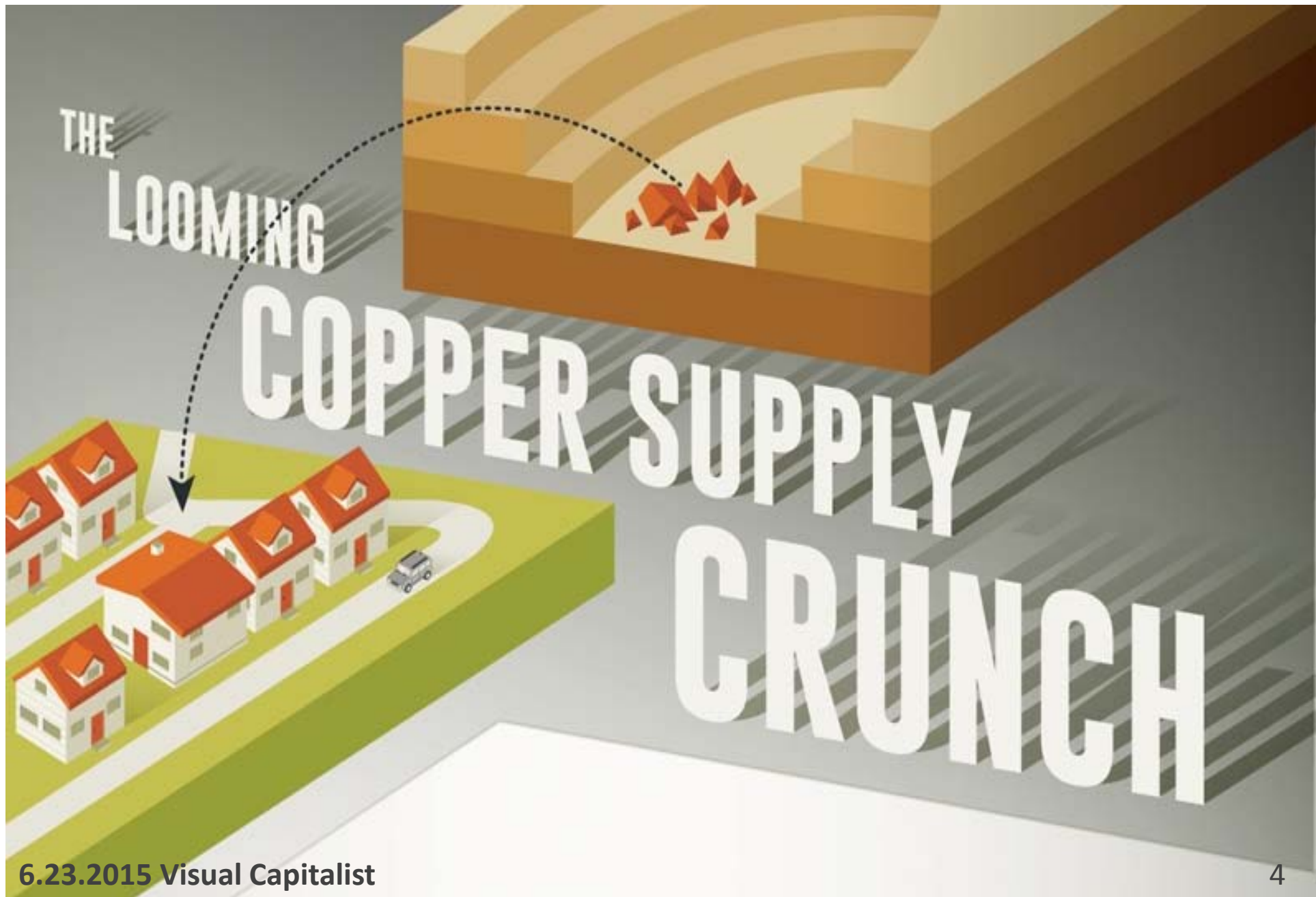
Other metals potential for discovery: MOLY, lead, zinc, manganese, REEs, uranium, cobalt, thorium, nickel, silver, gem quality specimens



"If the world does well, gold will be fine. If the world doesn't do well, gold will also do fine." Thomas Kaplan, *Natural Resources Investor/Billionaire*



- GLOBAL DEMAND FOR COPPER
- China – India – Middle East huge and growing economies need copper now and for future growth and development
- USA to engage in giant infrastructure rebuild and new projects
- The world's high tech future requires increasing amounts of copper
- Used in many industries, both established and emerging - from auto to green energy



THE
LOOMING

COPPER SUPPLY CRUNCH



From power grids to motherboards, copper wire is indispensable to modern society.

Each new generation of car **needs** more copper wiring:



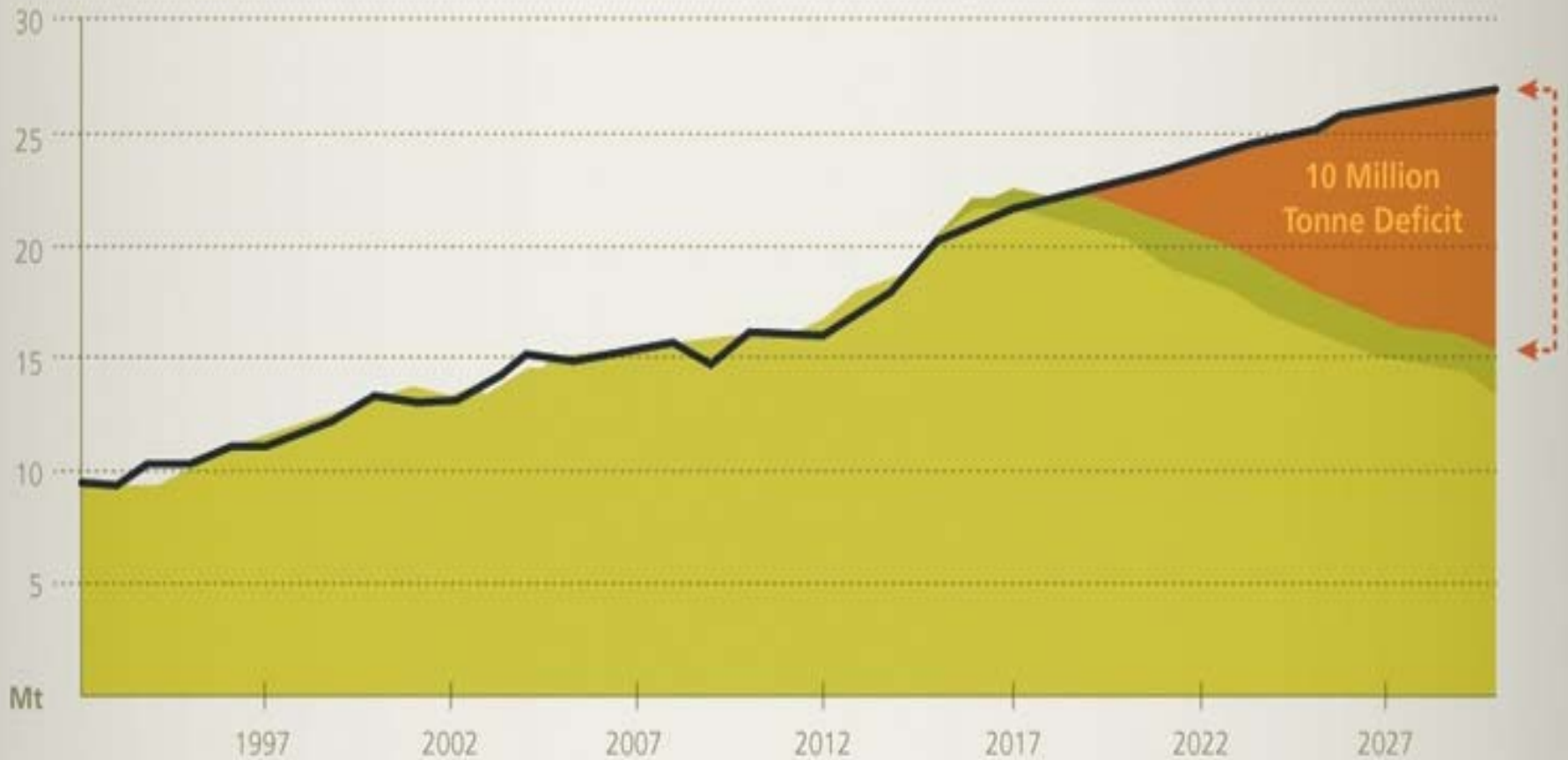
Copper is also essential for green energy and a sustainable future.

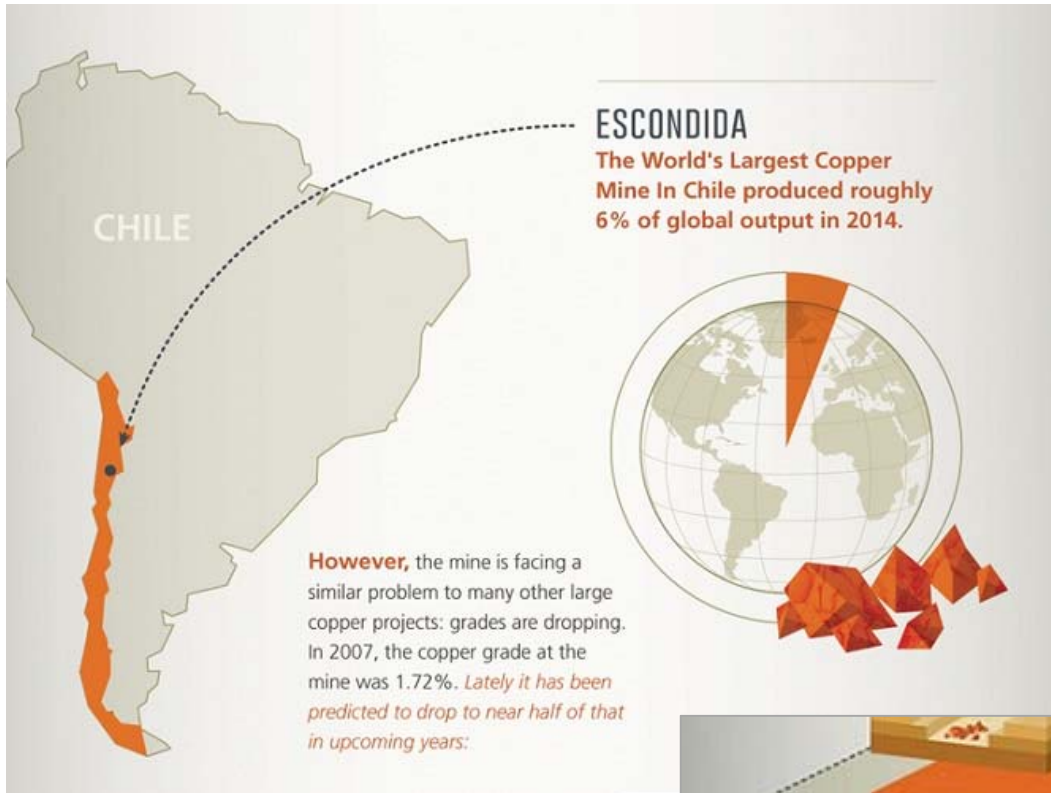


HERE'S THE PROBLEM:

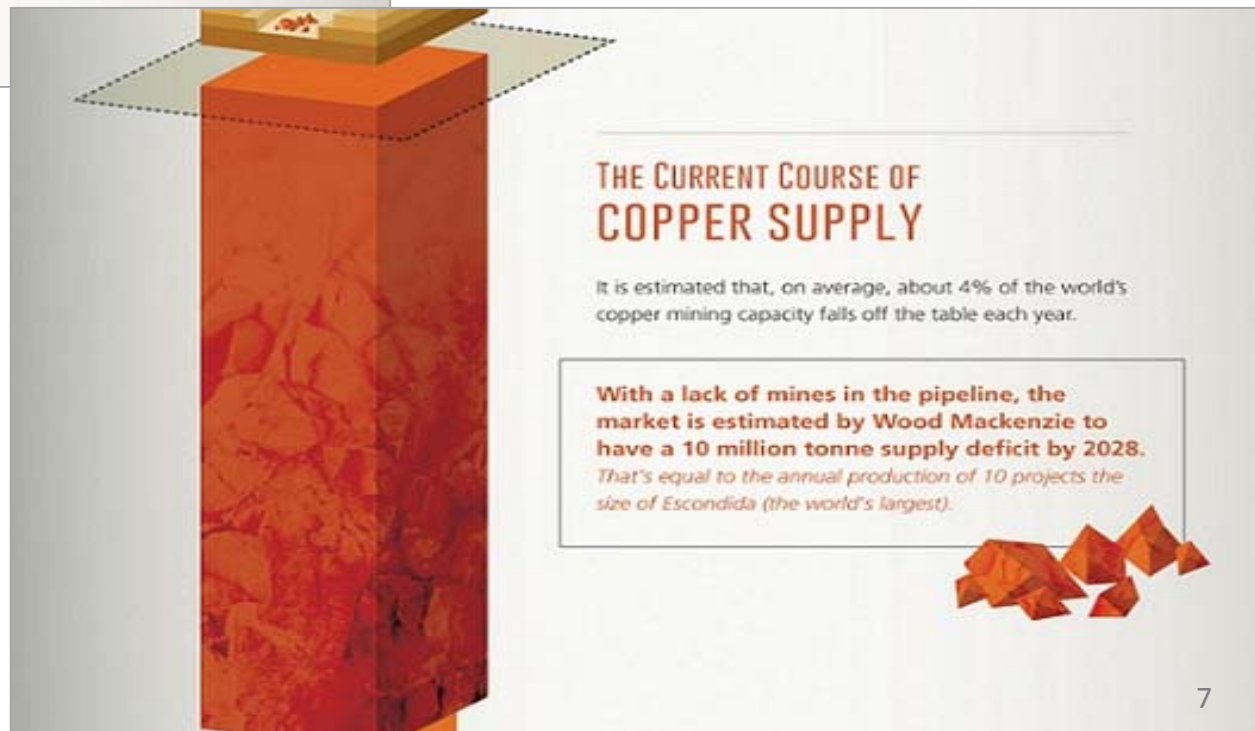
Copper is not being discovered fast enough to be mined to meet upcoming demand.

- Primary Demand
- Base Case Production Capability
- Probable Projects



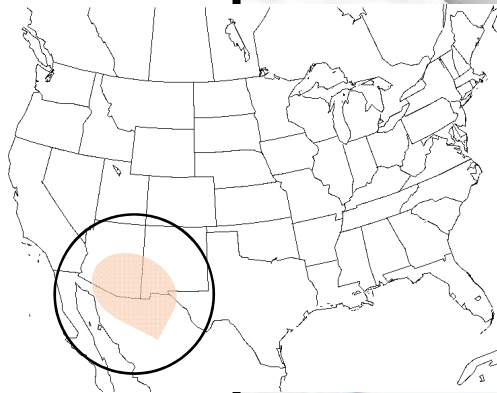


Slides 4 through 8 from **“The Looming Copper Supply Crunch”**
JEFF DESJARDINS
 6.23.2015 Visual Capitalist

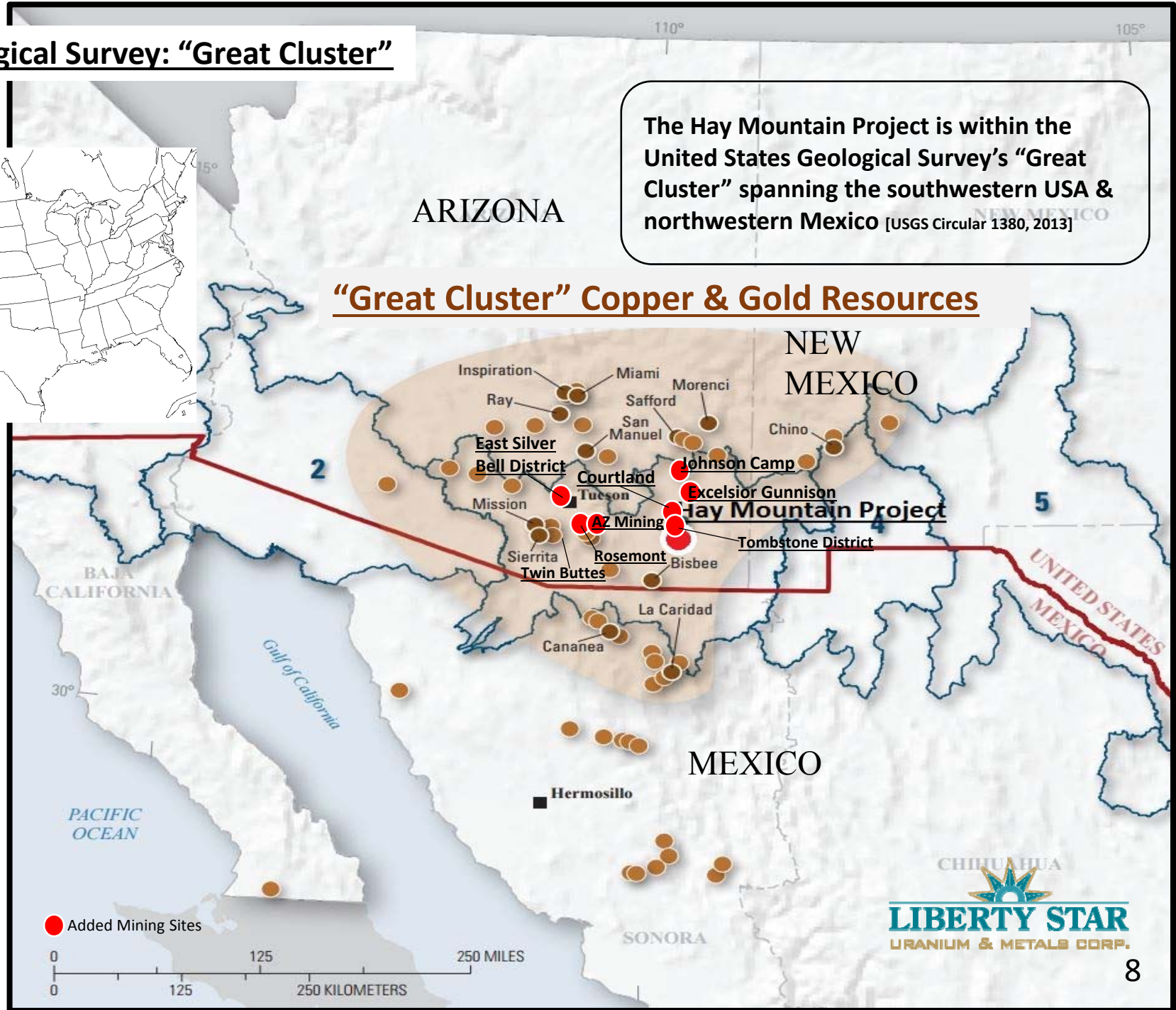


US Geological Survey: "Great Cluster"

The Hay Mountain Project is within the United States Geological Survey's "Great Cluster" spanning the southwestern USA & northwestern Mexico [USGS Circular 1380, 2013]



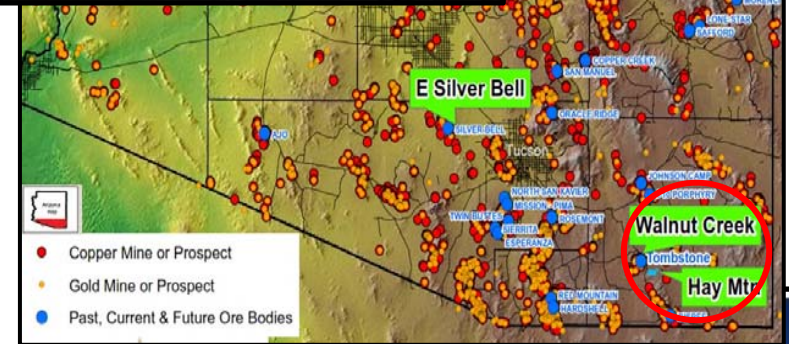
"Great Cluster" Copper & Gold Resources



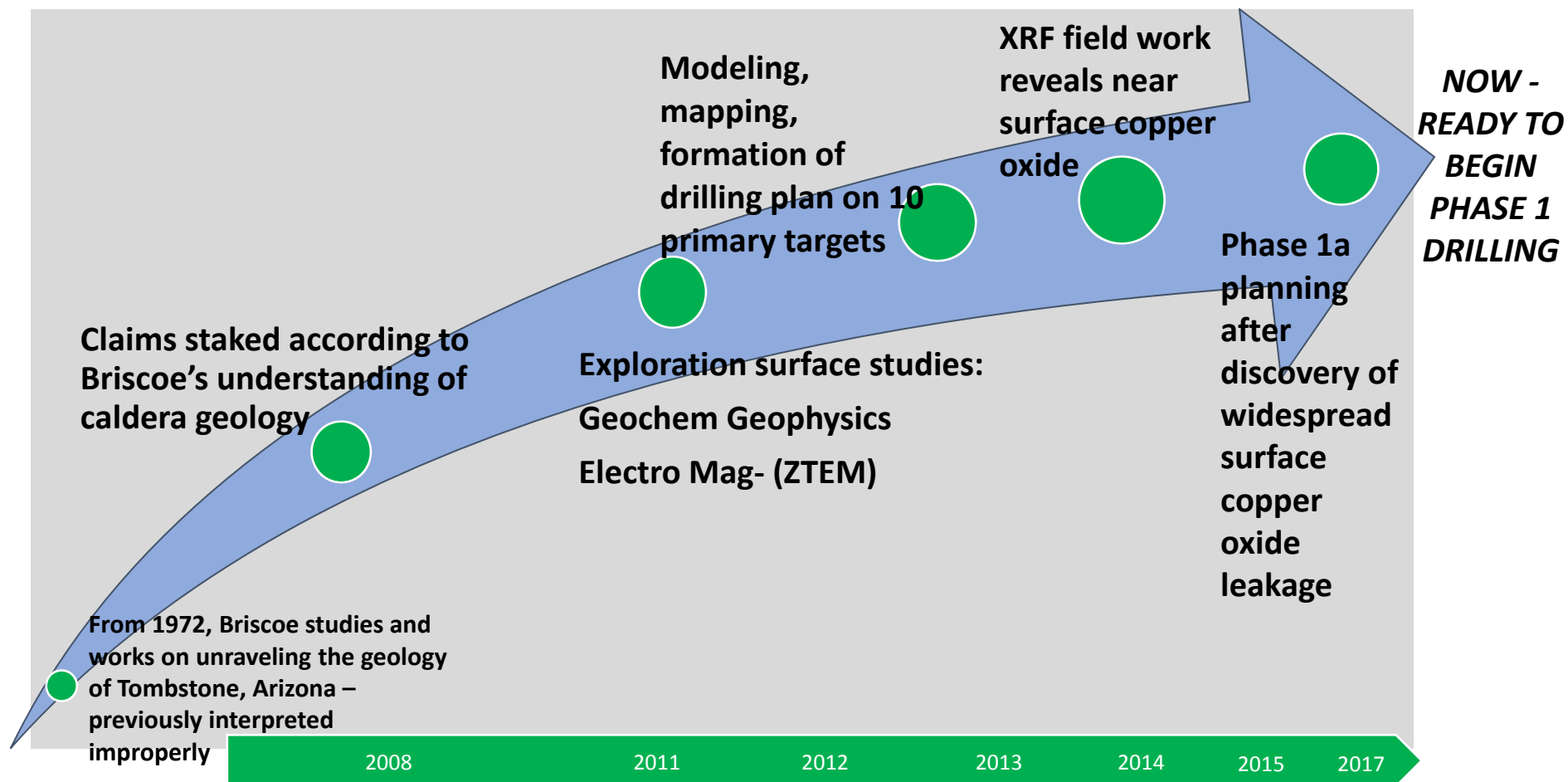
INTRODUCTION – Liberty Star is a Tucson, Arizona - USA based publicly traded company (LBSR: OTCBB, OTC Markets) founded Feb. 1, 2004 and under the leadership of Registered Professional Geologist James A. Briscoe. Liberty Star specializes in mineral exploration and mining development throughout the southwest United States.

Hay Mountain Project

- Liberty Star's premier property is the Hay Mountain Project (7 sq. miles/ 18.1 sq. km) greenfield, covered porphyry copper-gold-moly anomaly in a historic mining district, southeast Arizona, USA
- Copper is the basis of modern society and, along with other metals, which tests show are present at Hay Mountain, in continuous demand across multiple industries
- Metal value indicated by geochem, geophysics, geology indicate potential for mineralization from \$200 billion to \$2 trillion if mineralization is continuous
- Innovative cost efficient multi target exploration plan is expected to develop open pit/deep underground mines and including rapid development in-situ extraction
- Project on or close to major interstate, int'l highway, rail, electric/natural gas

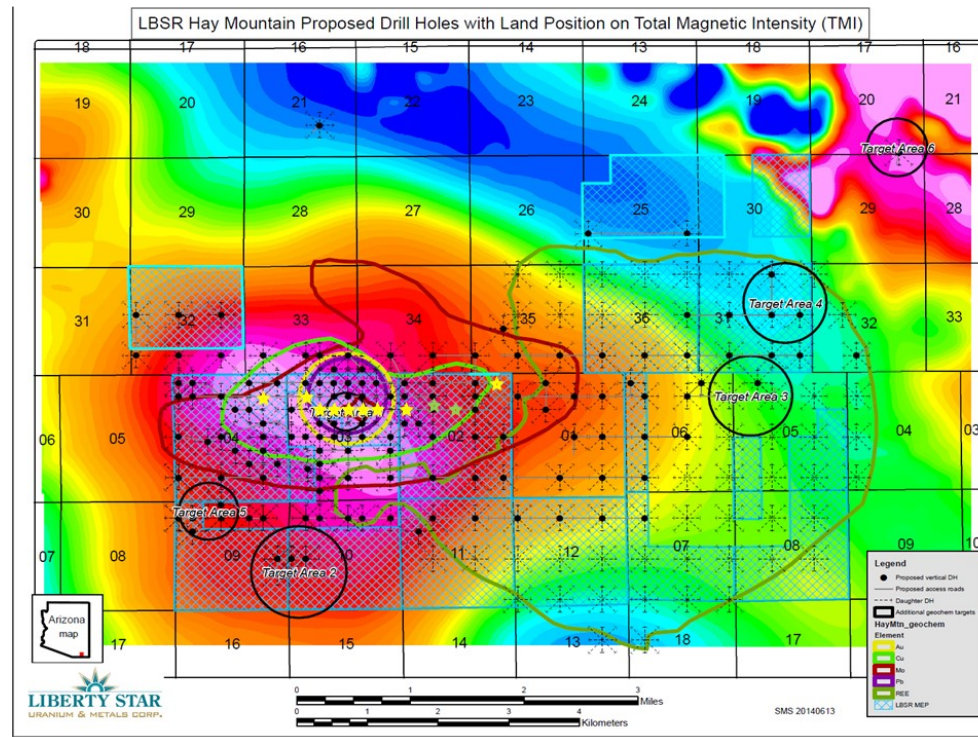


SIGNIFICANT MILESTONES LEADING TO PHASE 1 DRILLING



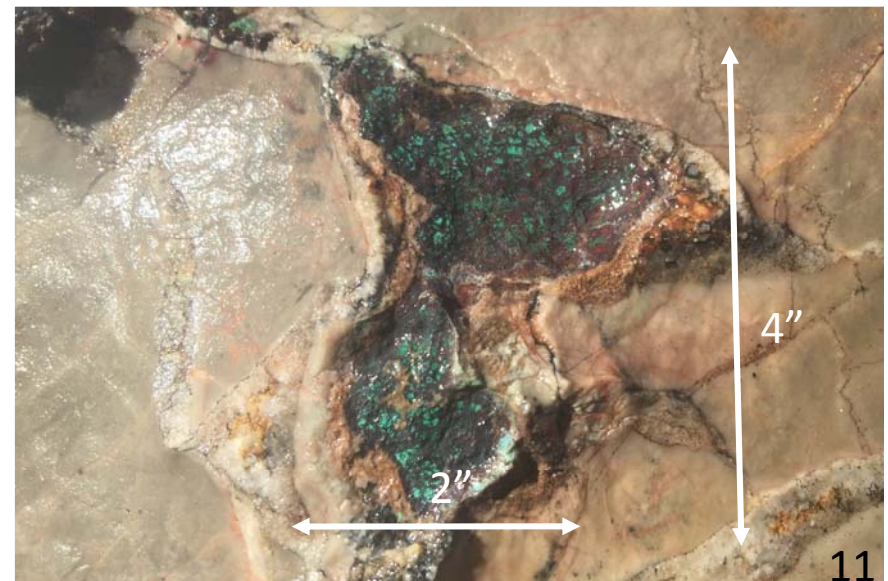
PROJECT HIGHLIGHTS

- SIGNIFICANT RESOURCE BASE - Geochem/Geophysical indicators for copper, gold, moly, silver, lead, zinc, uranium and REEs.
- GRADE - Historically high grade copper limestone hosted deposits mined in southeast Arizona surrounding and near Hay Mountain
- **EXPLORATION PERMITS IN HAND, DRILLING START IMMEDIATELY ON FUNDING AND TO CONTINUE FOR ONE YEAR [Phase 1]**
- **COMPETITIVE COST PROFILE AND LOW CAPITAL COST**
 - Innovation Hub in Tucson, Arizona
 - Desert climate allows for 24/7/365 work
 - Easy mining



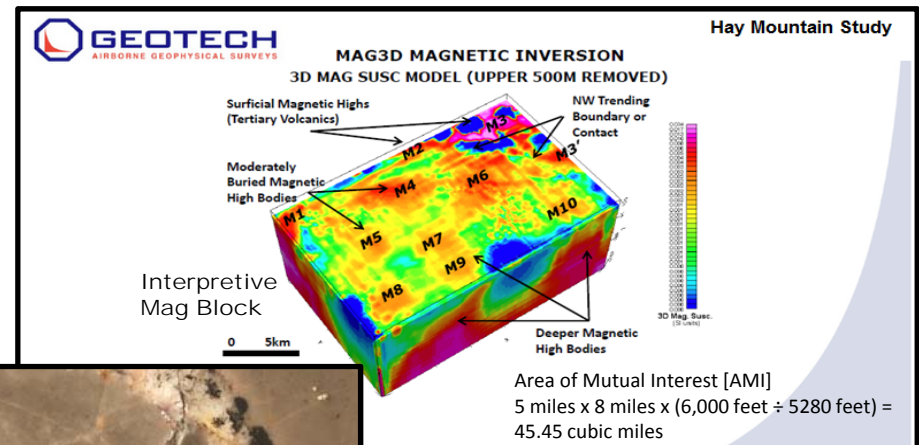
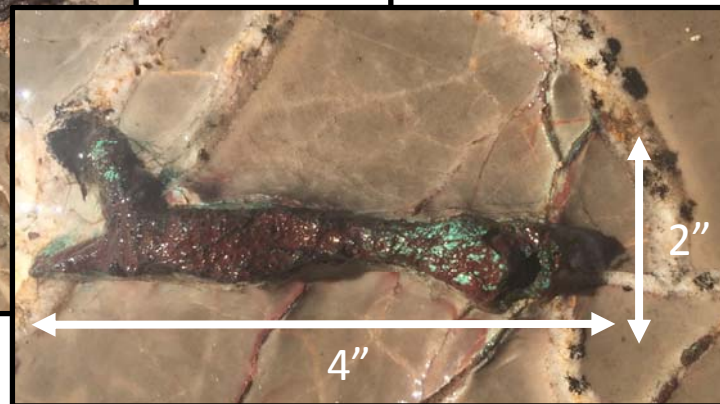
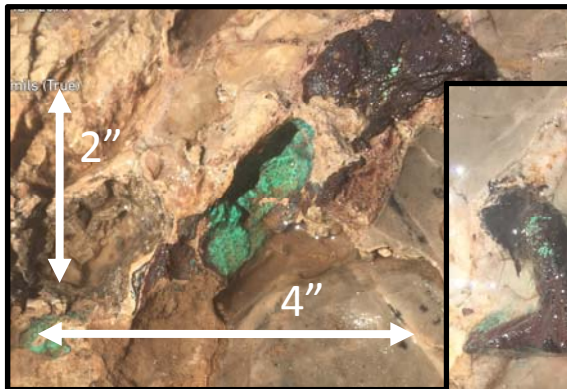
ZTEM – airborne electromagnetic studies produce images that indicate anomalous structures down to 6,000 feet below the earth's surface

Close – up image of *copper oxide* leakage at surface from depth [copper sulfide], discovered on active target center at Hay Mountain: +20% Cu (9/2015)



EXPLORATION STRATEGY

- Liberty Star's Hay Mountain greenfield project has progressed from surface studies to Phase 1a drilling
 - Determine continuity to depth of surface geochem & subsurface geophysical anomalies
 - discover mineral asset location/grade/depth & continuity
- Phase 1 – continue capital raise to increase number of drills in field. Plan shallow extraction program based on Phase 1a drilling results.
- Phase 2 - raise capital to complete exploration drilling at Hay Mountain with potential for opt-in for further development
- Conclude long term Joint Venture agreements/sales agreements. Identify additional resources. Focus on copper/gold & multi element mine development.



“As the old saying goes, no risk, no reward. Safe and boring stocks are a great idea for most investors, but riskier stocks have the potential to provide investors with outsize returns.” -Motley Fool-



“The big companies desperately need high-quality deposits in stable jurisdictions...From a risk-reward perspective, I think this sector is the place to be.”
-Ronald-Peter Stoferle, analyst, Erste Group Bank AG



FINANCIAL OPPORTUNITY

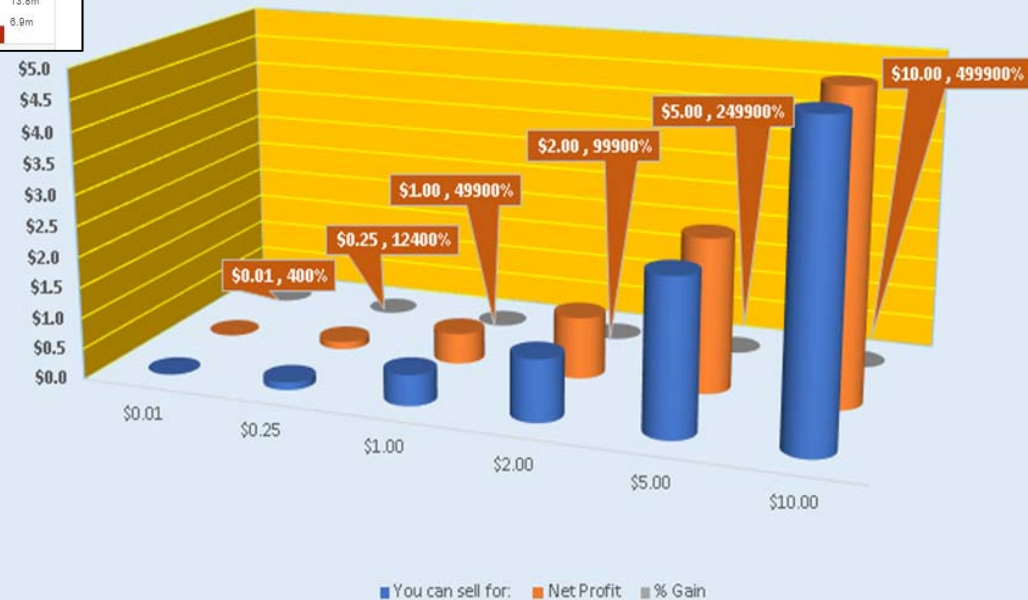
MINING

TRENDING [Bombardier](#) | [Taxes](#) | [Brexit](#) | [NAFTA](#) | [Canadian dollar](#) | [Family Finance](#)

‘We are coming out of the bottom of the cycle’: Miners regain mojo to spark \$24 billion in exploration hunt

B **DAVID STRINGER, BLOOMBERG NEWS** | March 24, 2017 9:19 AM ET
[More from Bloomberg News](#)

**% Gain Increase in Price \$0.01 up to \$10
\$1M Investment @ \$0.002
Potential projections of earnings
Actual results may differ**



Hay Mountain surface rock samples -- Note the green copper oxide and coarse calcite. Both samples are from an inch to a few inches below the surface on a high priority target within the Hay Mountain Project area. Notes Chief Geologist Jim Briscoe: " I did not expect to see samples like this until around the 300' level. The fact that these came from an inch to a few inches below the surface is encouraging. We almost never see this situation at the surface, especially over a wide area [estimated at about a square mile]. It means the mineral body is exposed at the surface and will increase in grade as more favorable sedimentary layers will be intersected by drilling. We may find what we are looking for at a shallower depth than originally thought, during Liberty Star's Phase 1 drilling program." April 10, 2017

Liberty Star Uranium & Metals Corp. LBSR: OTCBB/OTCPK <http://libtystaruranium.com> +1 520-425-1433 info@libtystaruranium.com
 RISK FACTORS FOR OUR COMPANY ARE SET OUT IN OUR 10-K AND OTHER PERIODIC FILINGS FILED WITH THE SEC ON EDGAR.



What does it mean & how do you make money?

The mineral body at Hay Mountain target area is exposed at the surface. It will be higher grade as more favorable sedimentary layers are intersected by drilling.

"We may find what we are looking for at a shallower depth than originally thought, during Liberty Star's Phase 1 drilling program."

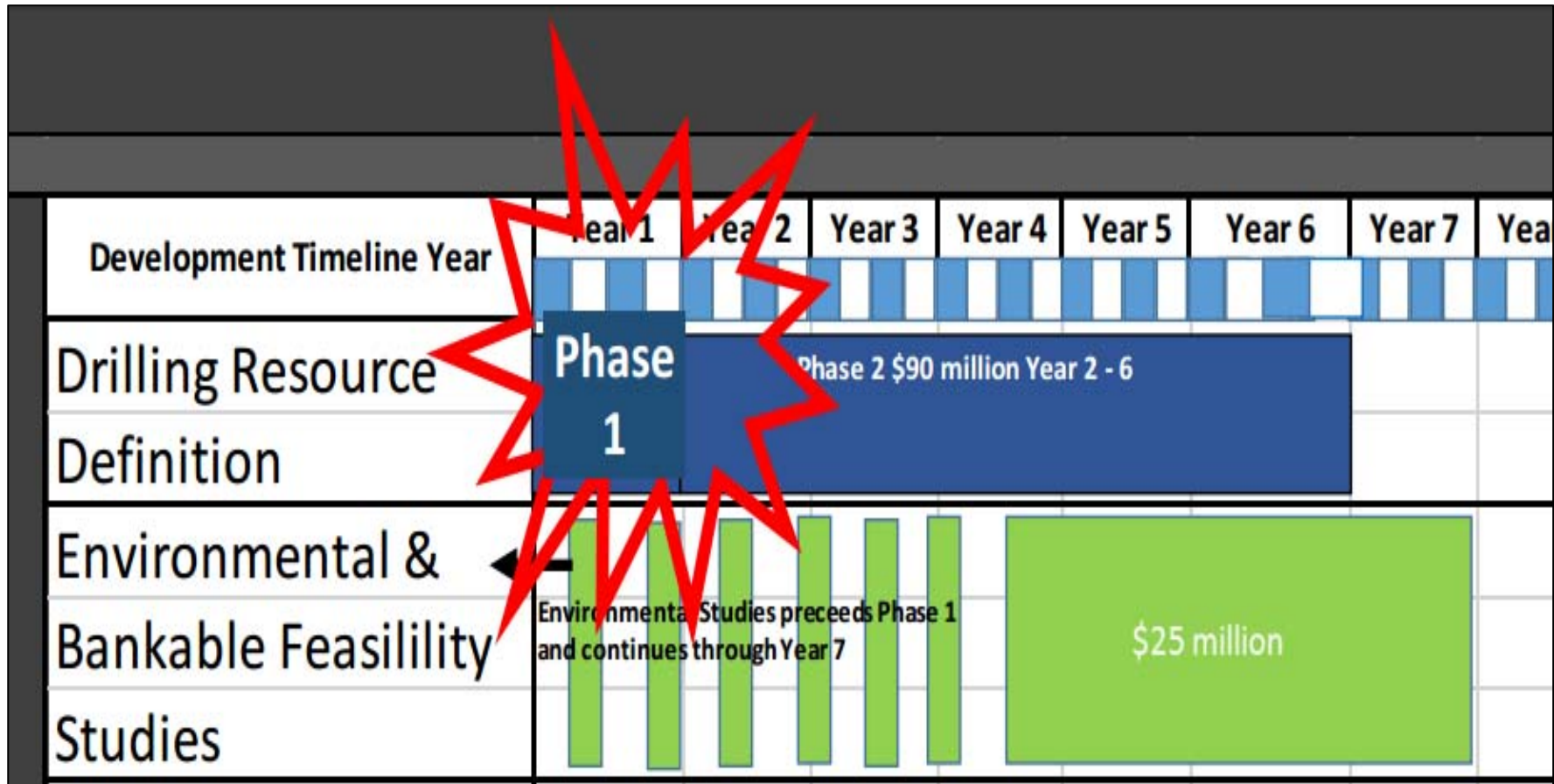
Liberty Star seeks to develop a near surface mining program that takes less time to develop, which leads to.....

**a shortened
 timeline to
 production & profits**

Modern miners and investors are interested in higher grades and shallower targets. Development, land management, and reclamation issues can be handled at a lower cost than open pit mines. At Hay Mountain, Liberty Star seeks to focus on both shallow projects with shorter timelines and very large projects that will provide decades of economic enrichment for the community and Liberty Star's shareholders.

Slide 2 of 2

Liberty Star is poised to commence drilling at the Hay Mountain Project, Phase 1



MANAGEMENT & DIRECTORS



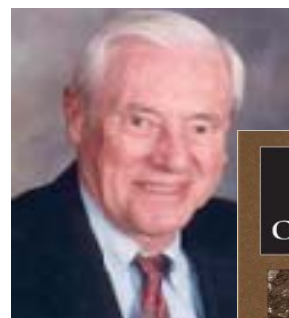
James A. Briscoe
Founder
Board Chairman,
CEO, President,
CFO, Chief Geologist

P. Geo., BS/MS Geology University of Arizona, Mr. Briscoe is one of the chief founders of Liberty Star Uranium & Metals Corp. Mr. Briscoe's involvement in mineral exploration and discoveries spans 52 years. He is a Registered Professional Geologist in the States of California and Arizona since 1969 and 1972 respectively.

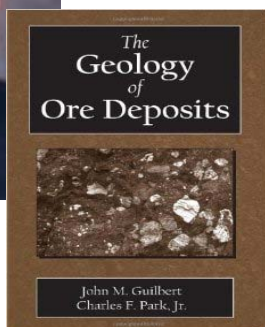


Ms. Patricia Madaris
VP, Finance

BS Accounting/MBA. Ms. Madaris joined Liberty Star in 2011. In May 2015, she was appointed to the position of Vice President, Finance upon the recommendation of Liberty Star's CEO, James A. Briscoe.



Dr. John M. Guilbert
Position: Director, Technical Advisor



Dr. John M. Guilbert currently holds the position of Professor Emeritus at the University of Arizona. Dr. Guilbert is a world-renowned and award winning geologist & author. He is the co-developer of the Lowell-Guilbert porphyry copper mode (which we use), and recipient of mining's two most prestigious awards back to back, the R. A. F. Penrose Medal and the D. C. Jackling Award.

➤ A complete list of members of the Board of Director & Technical Advisors is at libtystaruranium.com

Primary Consulting Firms:
Geophysical, Geologic, Mining & Environmental



Geotech Ltd., Specialists in Helicopter Borne ZTEM Geophysics (airborne magnetometer + electromagnetic sensor) Ontario, CAN
Dr. Jean Legault [PhD Geophysics, PhD Geology] Chief Interpretive Geophysicist



Minerals Exploration & Environmental Geochemistry, Reno, NV
Shea Clark Smith, Owner, MSc., P. Geo. Geochemist. Member Liberty Star Technical Advisory Board



MWH International Mining and Environmental
Offices in Anchorage, Alaska & Phoenix, Arizona



Montgomery & Associates specialists in water resources & permitting with offices in Tucson, Phoenix, Denver, Chile, Lima Peru

Thank – You for your time & interest!

WHY LIBERTY STAR?

1. **Potential for discovery** of a high grade and large sediment and porphyry hosted copper, gold, and moly ore body of the same type as the nearby Bisbee deposit and other commercially important ore bodies throughout southeast Arizona
2. **Multiple targets** over copper-gold anomalies have been plotted using sophisticated ground studies including rock-chip, soil and vegetation geochemical samples assayed for 64 elements by a Certified Assay Laboratory, airborne ZTEM geophysical surveys producing magnetic and electromagnetic data and technical reports from an independent Qualified Geophysicist Geologist
3. **Recent discovery of surface copper-mineralized outcrops** suggests near surface targets, significantly lowering development time and costs

We trade as LBSR on the OTCBB and the OTC Markets

