

# Lithium & Boron Critical Mineral Exploration in North America



# Disclaimers & Forward-Looking Statements

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## Technical Information

The technical information contained in this presentation was reviewed and approved by Eric Saderholm P.Geo, Director of Canter Resources, a non-independent Qualified Person (QP), as defined under National Instrument 43-101 – Standards of Disclosure for Mineral Projects.

All historic production, drill or sample figures quoted herein are based on historical data and reports obtained and prepared by previous operators. The Company has not completed the work necessary to verify results at this time and there is no assurance as to the accuracy or completeness of included information. The Company considers this historical data to be relevant as the Company will use this data as a guide to plan future exploration programs. The Company considers the data to be reliable for these purposes, however, the Company's future exploration work will include verification of the data through check assay validation of historical assay values; validation of drilling data; validation of geological modeling; and more detailed re-logging and inspection of drill core. The historical figures have not been verified by a Qualified Person and should not be relied upon for any other purpose.

Readers are cautioned that mineralization at nearby projects described in this presentation are not necessarily indicative of the mineralization on the Company's projects.

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# Our Mission

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Our mission is to responsibly explore and develop the strategic and critical resources necessary for the technology and clean energy transformations underway in North America. We recognize the vital role that lithium and boron play in enabling the technologies of the future, including microchips, computing, electric vehicles, renewable energy, and energy storage. We aim to provide the raw materials necessary for these technologies in support of the global shift towards a more productive and low-carbon economy.

# Why Canter?

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## Experienced Technical & Capital Markets Team

Team with significant depth of exploration, project development and capital markets experience



## Columbus Lithium-Boron Brine Project

Highly prospective ~23,000 acres land package covering substantial closed basin lithium-boron brine target in one of the world's best mining jurisdictions.(Nevada, USA)



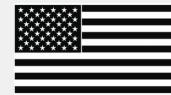
## Comprehensive Database

Targeting at Columbus supported by extensive dataset & 3D modeling. Canter also has exclusive access to a vast critical metals targeting database it plans to leverage for portfolio growth.



## Water Access

Critical water permits necessary for ongoing exploration and future development of Columbus secured.



## Government Support

Significant government support of North American battery industry, including building a domestic EV supply chain beginning with exploration and development of critical metals projects.



## 2024 Drilling

Two phases of shallow drilling now complete. Phase II assay results expected Q4, 2024.

# Our Projects

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## Columbus Basin Lithium-Boron Project

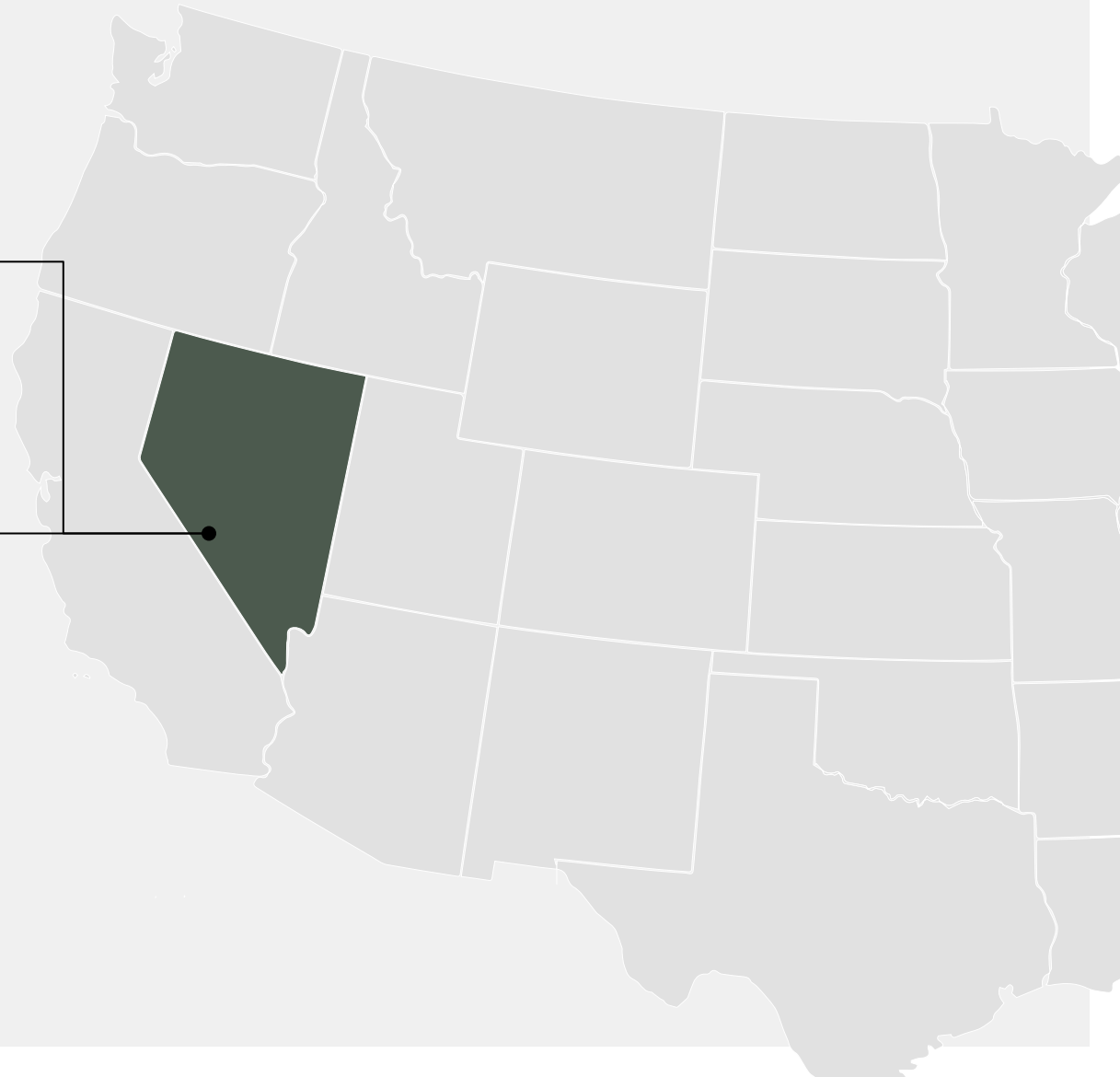
Commanding ~23,000-acre property package with demonstrated potential for a major lithium and boron brine discovery in the heart of Nevada's lithium belt

NEVADA, USA

## Railroad Valley Lithium-Boron Project

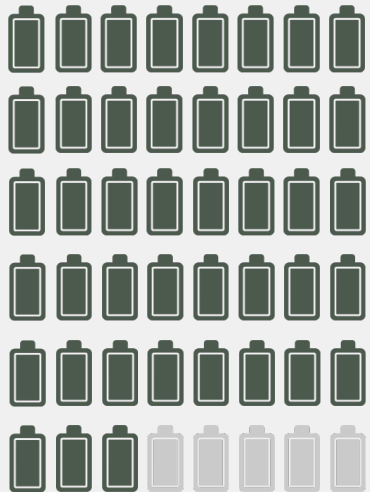
Highly prospective 1,000-acre structurally closed basin with similar geological characteristics to Clayton Valley, North America's leading lithium producer since 1966.

NEVADA, USA



# As battery technology evolves, so does the need for Lithium content

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87%

of batteries (LFP & NMC) require approximately

45-60kg

of lithium carbonate during production <sup>1</sup>

<sup>1</sup> Benchmark Mineral Intelligence. 2023 battery intensity estimates of NMC811, NMC622, NMC523, and NMC111

<sup>2</sup> "The Global Electric Vehicle Market Overview In 2023: Statistics & Forecasts". Virta Global.

240M

estimated electric vehicles (EVs) by 2030

10%

of the estimated global fleet in 2030 will be made up by EVs <sup>2</sup>

# Boron: a critical element growing in demand

Estimated boron  
**Market Size**

**+\$2.0B** <sup>1</sup> USD

Steady Growth  
at a **CAGR** of

**4.3%** <sup>1</sup>

Estimated boron  
**Tonnage** <sup>2</sup>

2024 4.89M tons

2029 6.04M tons

The duopoly and scarcity of the boron market:

**30%**

**RioTinto**

of world's boron supply is sourced from the iconic Boron Mine in Boron, California <sup>2</sup>

**70%**

**ETIMADEN**

of the world's boron reserves are held by Turkey's Eti Maden <sup>3</sup>

<sup>1</sup>“Boron Market – Industry Analysis and Forecast (2024-2030)”. Maximize Market Research PVT LTD. 2024.

<sup>2</sup>“Boron Market Size & Share Analysis - Growth Trends & Forecasts (2024 - 2029)”. Mordor Intelligence. 2024.

<sup>3</sup>“Assessment of Boron Reserves and Resources Worldwide”. International Boron Association Report. 2021.

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**B**  
Boron  
10.811

Boron, the fifth element on the periodic table, is a rare light metal which does not exist by itself in nature. Rather, boron combines with oxygen and other elements to form boric acid, or inorganic salts called borates.

## Traditional Boron Industries

- Glass & Ceramics
- Detergents & Cleaning Products
- Agriculture
- Metallurgy
- Flame Retardants
- Pharmaceuticals

## Emerging Critical Growth Applications

(See slide 8)

- Semi conductors
- Electric Vehicles
- Renewal Energy
- Military
- Aerospace

# Boron is a catalyst for technological evolution and innovation

## Driving Innovation in Military Applications

Advanced anti-corrosion Boron properties are spearheading enhanced durability and strength among steel shells, protective vests, helicopters, and tanks.

## Revolutionizing Aerospace Engineering

Boron alloys create materials resistant to corrosion and oxidation, crucial for aerospace components.

## Renewable Energy Innovations

Boron is used to synthesizing energy-rich molecules, improving solar cell efficiency, and producing high-powered magnets for wind turbines.

## Advancing Semi-Conductors & Electric Vehicles

Boron enhances conductivity and performance in semiconductor devices, as well, offers high energy density and stability in batteries for electric vehicles.



## The USGS Inflation Reduction Act

is expected to include Boron on the Critical Metals List in 2025, highlighting its strategic importance and underlining its crucial role in national security and economic stability across diverse industries.



# US Inflation Reduction Act and The Push for Domestic Lithium-Boron Supply

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## Promotes investment in domestic US energy production

Passed in August 2022, the Inflation Reduction Act (IRA) is a crucial step in enabling the North American battery industry, including building a domestic EV supply chain.

## \$60B earmarked for critical minerals processing

The IRA earmarks \$60B, 5-year production tax credit for companies in clean energy manufacturing and critical minerals processing.

## Loan incentives

The Department of Energy loan office authorized to spend up to \$250B by Sept '26, creating a massive opportunity for clean energy project loans in the next 4 years.

**~\$1B** in grants and loans already committed to surrounding Nevada lithium projects

**\$70B**

investment from the IRA towards EV and battery supply chains across the USA .

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**80%**

of EV battery minerals need to be extracted and processed in the US or recycled in North America by end of 2026. 40% through 2023.

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**100%**

of battery components will have to be manufactured or assembled in North America. 50% in 2024.

Minerals or components sourced from Russia and China will make vehicles ineligible for subsidies (ie. \$7,500 tax credit).

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# Located in Nevada

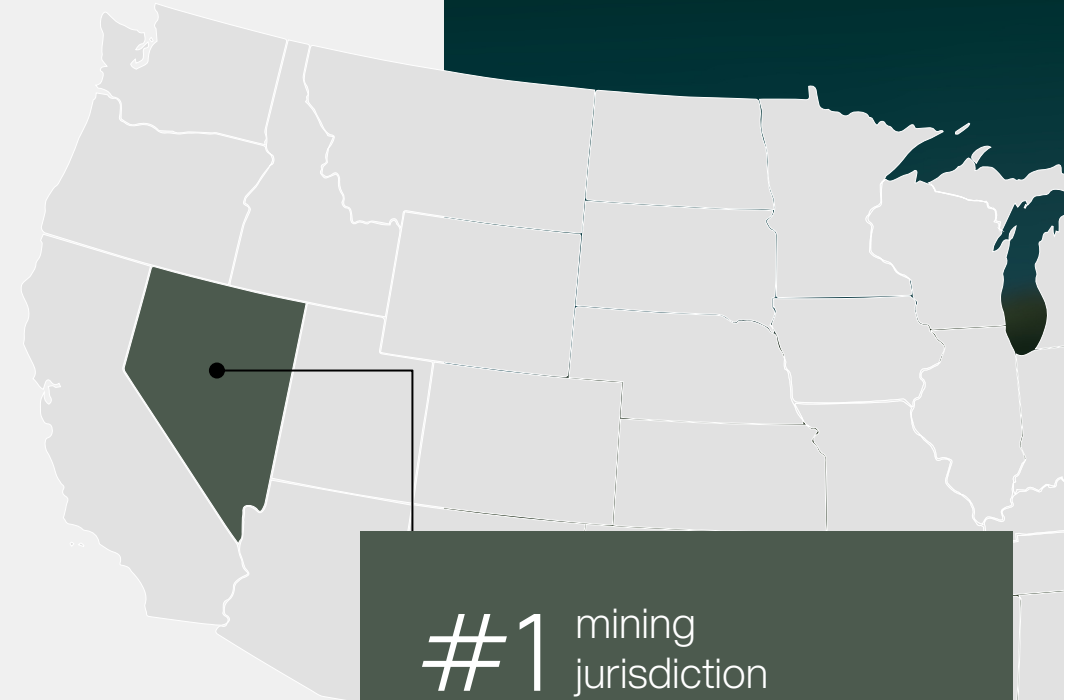
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## Home of the lithium exploration rush & world-class lithium projects

### Albemarle's Silver Peak lithium brine project

Silver Peak is the only lithium producer in the US and has been in production since the 1960s – making it one of the largest lithium producers in the world.

Silver Peak is a geologic and deposit style analogue to the target at the Columbus Project and is located only 28 miles away. Columbus is unique to Silver Peak given the fully-closed nature of the basin and presence of boron in the upper levels of the mineralized system.



#1 mining jurisdiction

Nevada is ranked #1 mining jurisdiction in the world

Fraser Institute 2022

# Emerging Tonopah Loop

Columbus is unique in that it is a structurally and hydrologically closed basin in Nevada with surrounding lithium-boron bearing Tertiary volcanic ash and tuffs that have fed the basin for the past 23 million years.

Year-round exploration with access to infrastructure

Accessible year-round via paved highway (US- 95) with local gravel access roads throughout the project area.

TESLA  
Giga Factory to the West

Canter Resources  
Columbus Project

AMERICAN LITHIUM

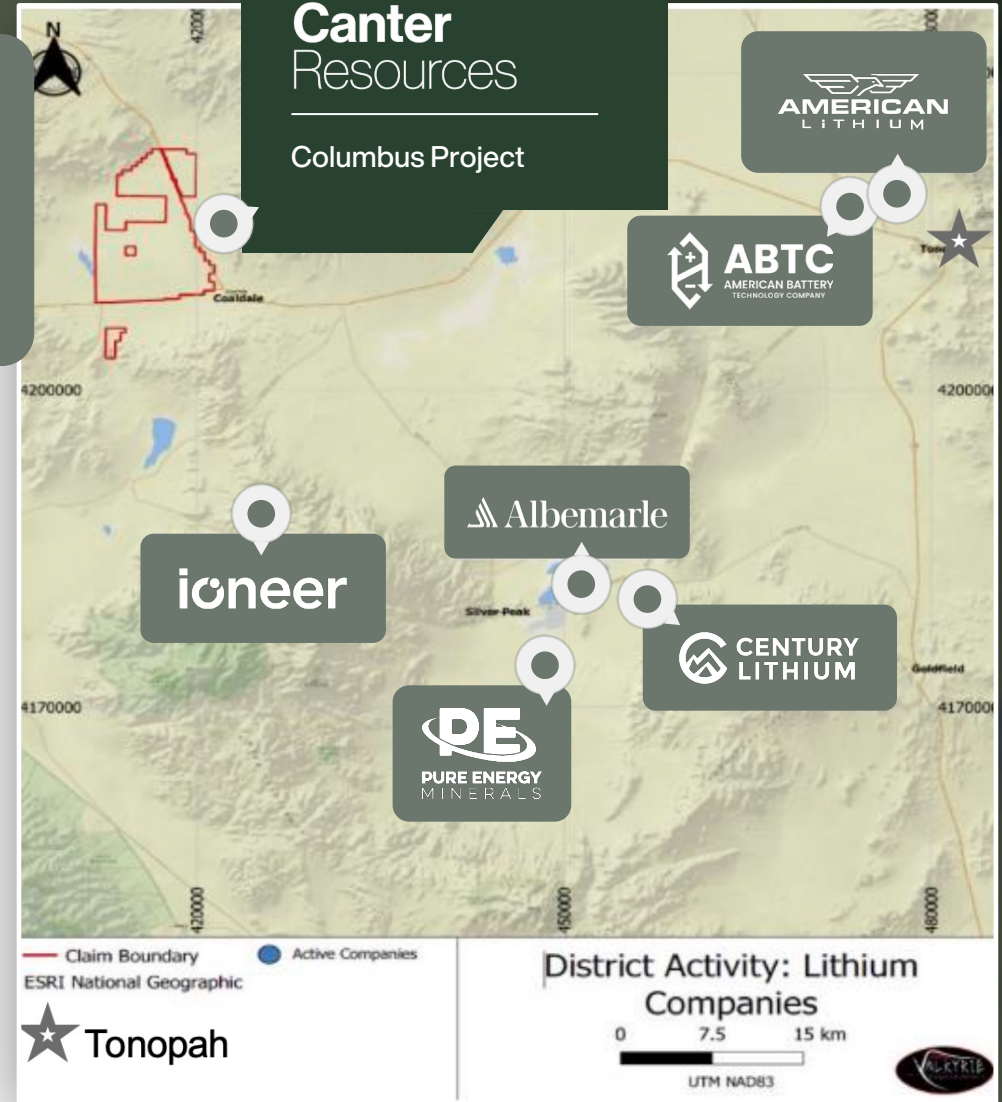
ABTC  
AMERICAN BATTERY TECHNOLOGY COMPANY

ioneer

Albemarle

CENTURY LITHIUM

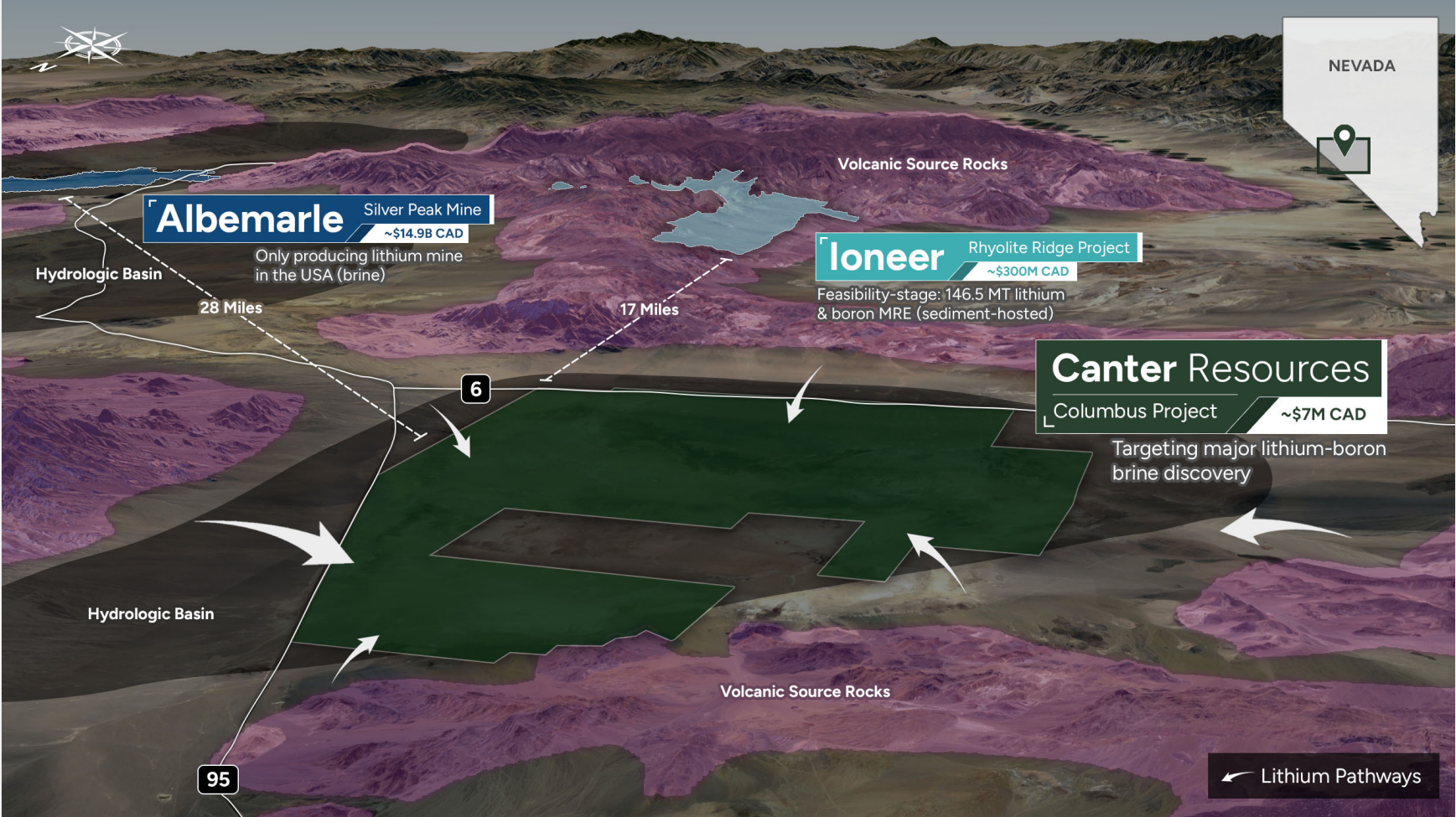
PE  
PURE ENERGY MINERALS



# Multi-Commodity Potential at Columbus

The Columbus basin hosted historical boron (borax) production in the late 1800's and the same volcanic source rocks that feed Ioneer's (~\$300M CAD MC) nearby feasibility-stage Rhyolite Ridge lithium-boron (sediment/clay-hosted) Project also feed the Columbus basin.

Canter is targeting a major lithium-boron brine discovery in the Columbus basin's multi-tiered aquifer network. Phase I drilling has demonstrated potential for multi-commodity near-surface mineral resource potential with widespread lithium and boron mineralization in both brines/solids.



<sup>1</sup> Reserves & Resources – Ioneer

Disclaimer Note: Mineralization at nearby or adjacent properties is not necessarily indicative of mineralization hosted at the Company's Columbus Project.

# Phase I Brine Result Highlights

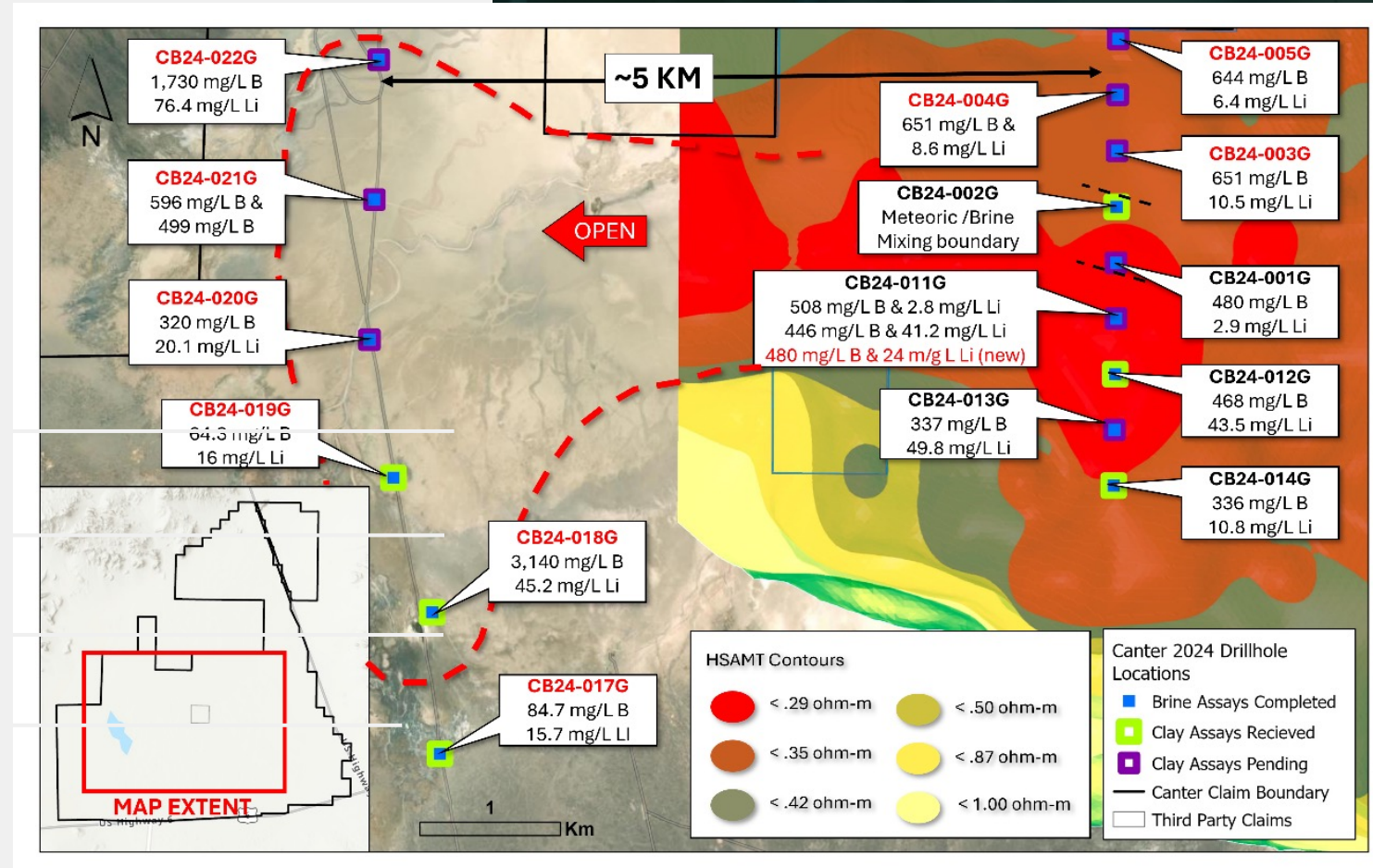
## Highest Grades to Date

Up to 3,140 mg/L B and 76.4 mg/L Li.

**Significant Lateral Extent** | Shallow (< 100 ft) aquifers consistently intersected at similar depths across two grids 5km apart, demonstrating widespread/shallow lithium-boron mineralization in brines.

| Boron (mg/L) | Lithium (mg/L) |
|--------------|----------------|
| 3,140        | 76.4           |
| 1,730        | 49.8           |
| 651          | 45.2           |
| 644          | 43.5           |
| 596          | 41.2           |

All brine results from Phase I have been reported. Highlight shown are not inclusive of all results (see news release dated July 2, 2024 for complete results). Sediment/clay assay results pending for 9 holes.



# Phase I Brine Results Summary

## Geochemical & Geological Model

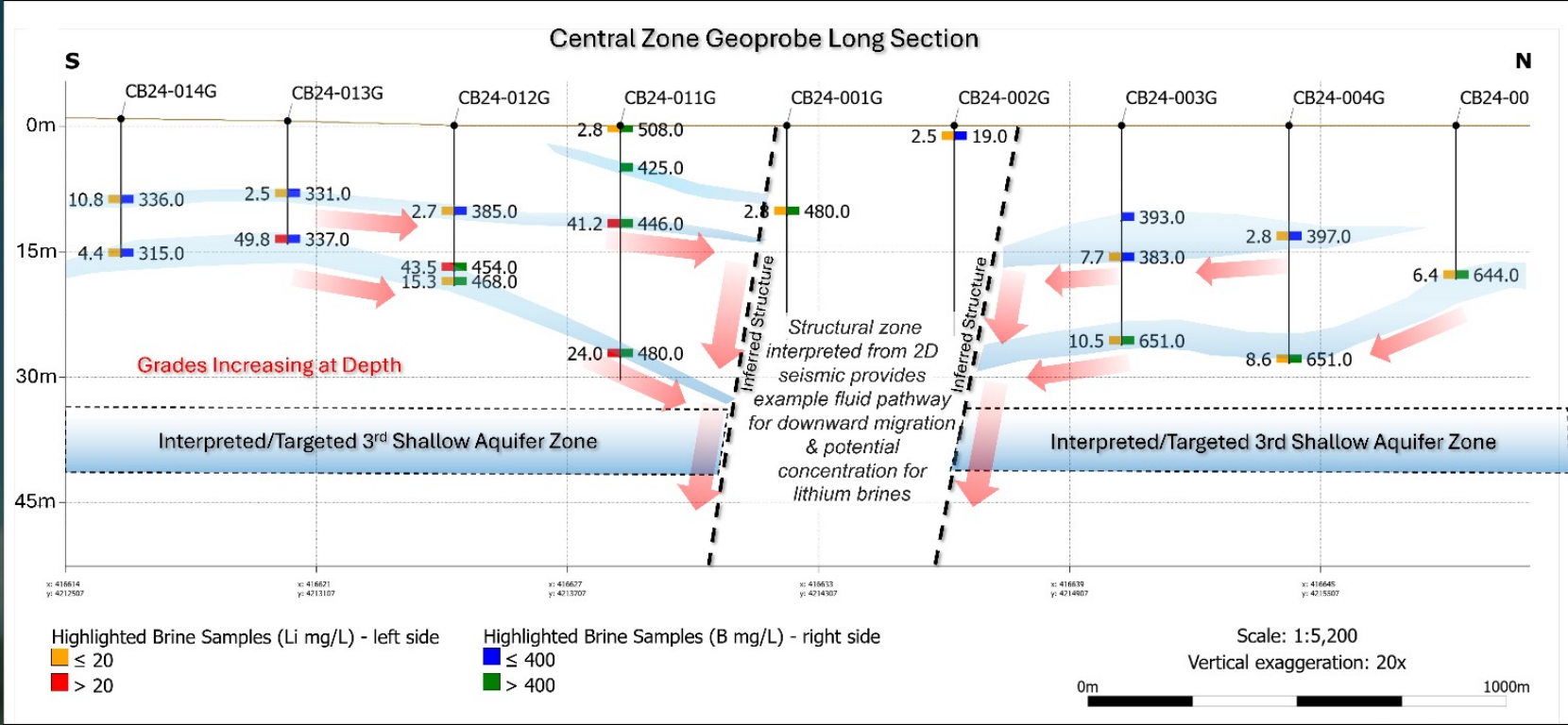
Phase I results support the Company's 3D model and plans for deeper drilling to target higher concentrations of lithium within deeper aquifers and structural traps.

## Boron Grades Increasing with Depth

Six assay results at depths >16.8 m in the central grid averaged 558 mg/L B, with two 651 mg/L B samples at 26.2 m and 28.3 m, respectively.

## Multi-commodity Potential

Significant lithium, boron and potassium concentrations in the shallowest aquifers at Columbus highlight the potential for near-surface mineral resources.



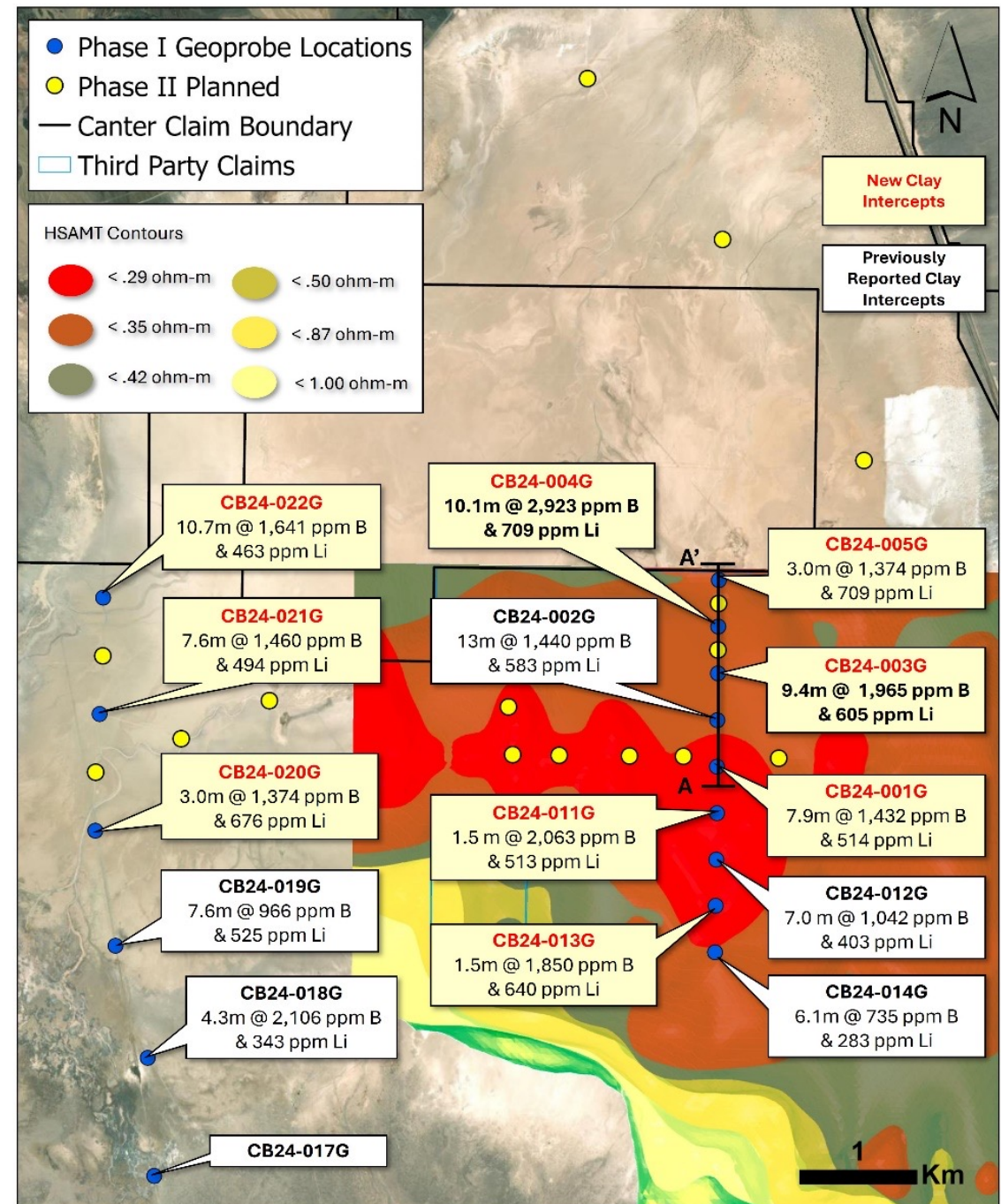
# Phase I Sediment Results

Solid assay results from Phase I further demonstrate significant and widespread mineralization starting from surface.

The presence of high-grade lithium and boron in sediments, increasing downhole, tends to be indicative of higher-grade brine concentrations deeper in the system.

Phase I drilling successfully identified two distinct shallow aquifers with lithium and boron concentrations increasing with depth in both brine and sediment samples, providing strong evidence for deeper, higher-grade brines at Columbus.

Valuable geochemical data collected during Phase I will aid understanding of mineralization patterns providing for enhanced predictive modeling.

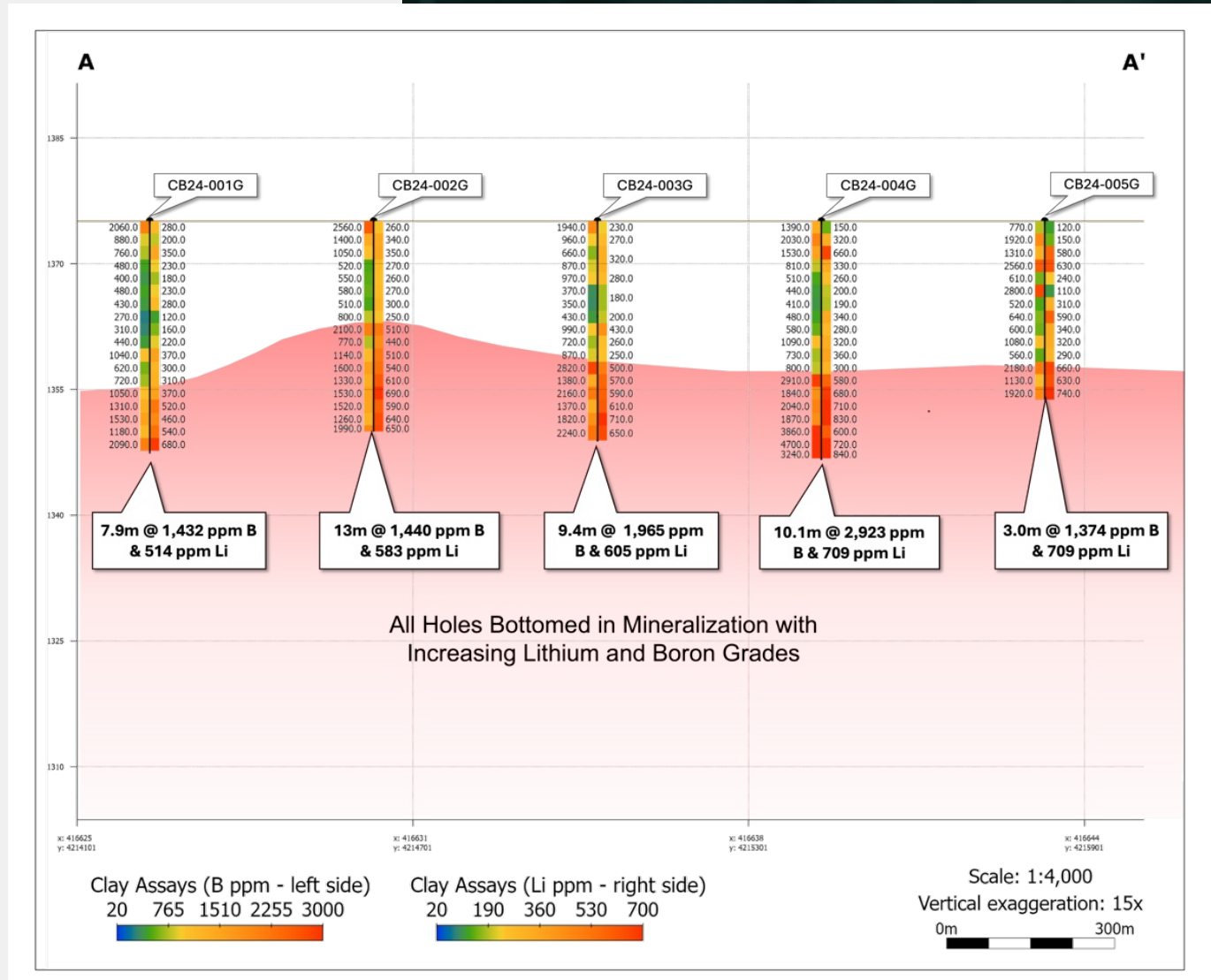


# Phase I Clay/Sediments Highlights

Significant and widespread mineralization starting right from surface with lithium and boron grades increasing downhole.

| Boron (ppm) | Lithium (ppm) |
|-------------|---------------|
| 4,700       | 840           |
| 4,280       | 680           |
| 3,850       | 710           |
| 3,160       | 680           |
| 2,900       | 740           |

All brine results from Phase I have been reported. Highlight shown are not inclusive of all results (see news release dated July 30, 2024 for complete results).





# 3D Model & Phase II Drilling

## HSAMT resistivity shells outline substantial target

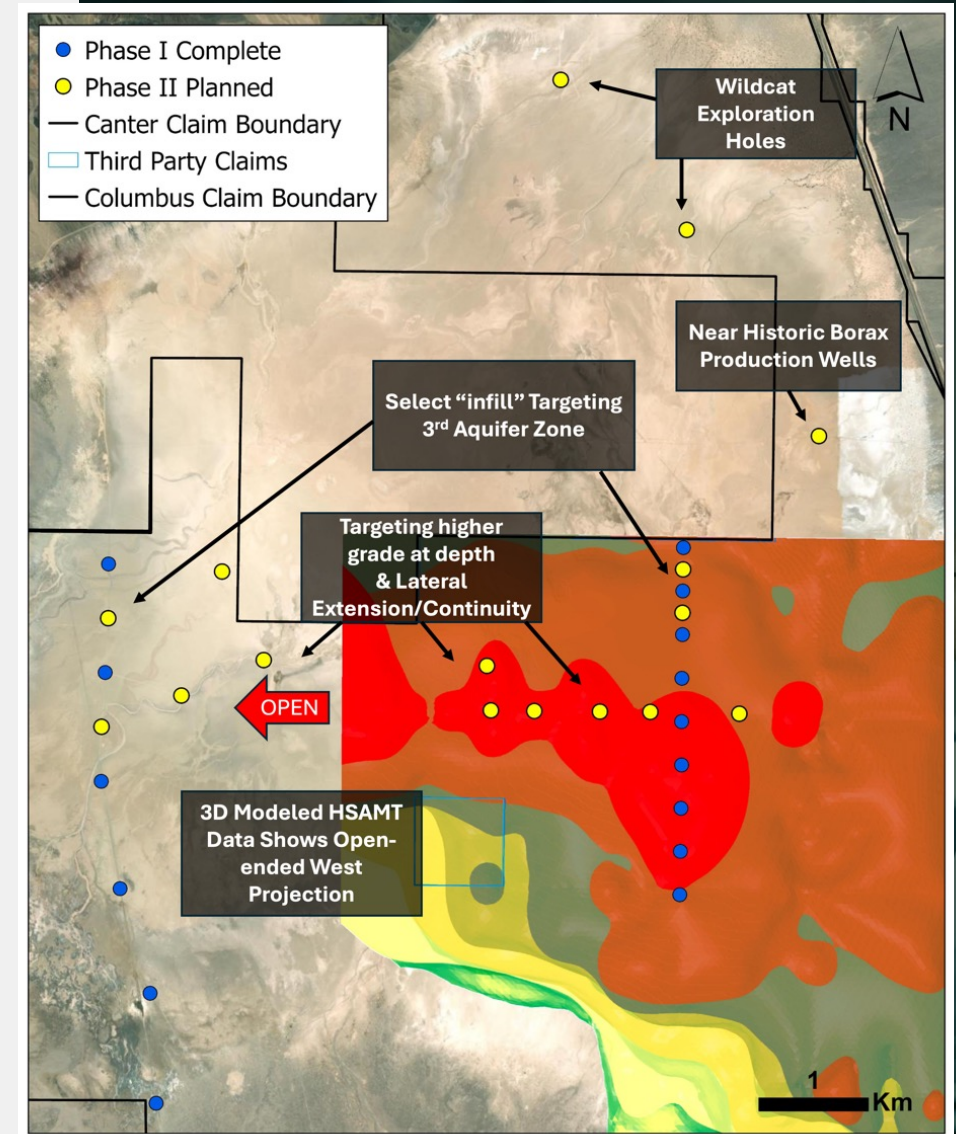
Highly conductive, homogenous zone attributed to subsurface layers indicative of lithium-boron bearing brines. 3D modeling work validated drill locations and outlined a more substantial subsurface brine target than previously identified/interpreted.

## Multi-phased 2024 Exploration and Drilling

Phase I exploration has included 3<sup>rd</sup> party data acquisition, permitting, reprocessing geophysics, 3D modelling to-date with shallow 20 shallow drill holes completed, with Phase II assays pending.

## Phase II Drill Campaign Objectives

- Demonstrate lateral continuity between Phase I grids
- Test interpreted 3<sup>rd</sup> aquifer zone below depths of Phase I drilling
- Test new discovery target areas to the north
- Generate samples suitable for preliminary direct extraction analysis
- Further assess the shallow multi-commodity resource potential



# Columbus Project Summary

## Demonstrated Lithium-Boron

Historical results and the companies recent drilling demonstrated multi-commodity potential for brine enrichment across multi-layered aquifers within the basin.

## Expanded Property Package

Now ~23,000 acres covering extent of substantial brine target in central part of the Project and westward projection of open anomaly.

## 3<sup>rd</sup> Party Data & 3D Model

Acquired and integrated additional historical 3<sup>rd</sup> party data and created 3D model validating initial targets and showing significant volume potential.

## Future Upside at Depth

Gravity surveys indicate a deep basement (up to 12,000 feet) highlighting the exploration upside and potential at depth

15-hole Geoprobe drilling and initial gravel transport and stockpiling for initial exploration well drill site completed. Phase II now complete with initial results expected October 2024.



\* Please see November 23, 2023 press release and page 2 for more information on historical results & Technical Disclosure

# Railroad Valley Project

Canter Resources



# Railroad Valley Project

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## 100%-owned claims

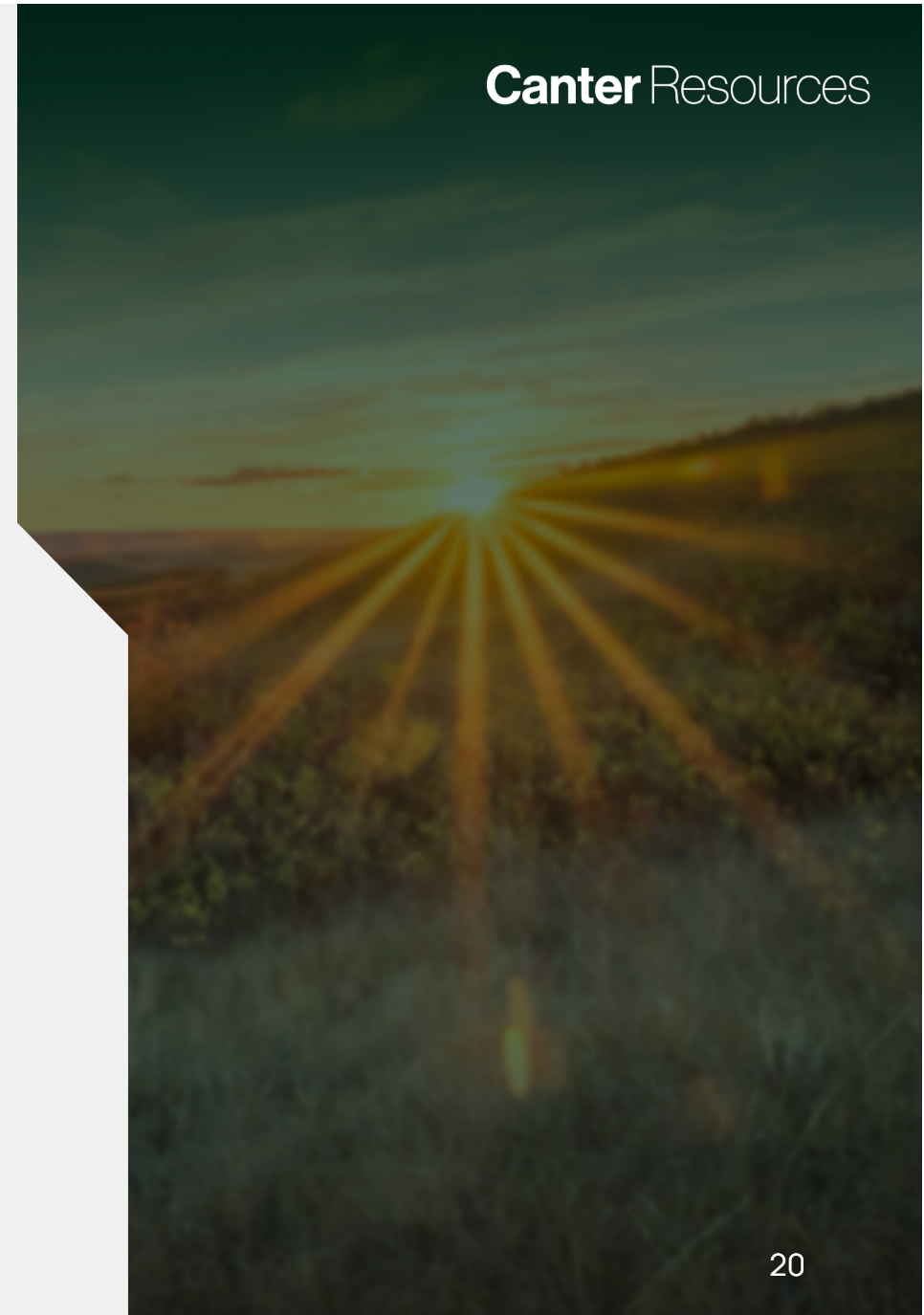
1,000-acre property in Railroad Valley, Nye County, Nevada, 164 km east-northeast of Tonopah by Highway 6.

## Geological Potential

Structurally closed basin with fault-bounded graben structures ideal for lithium and boron brine accumulation. Shares critical geological features, but with a 2.5x larger catchment area and 3.5x larger playa surface area than Clayton Valley, North America's leading lithium producer since 1966 though significantly larger

## Status

Largely underexplored despite promising geology. Low-cost, strategic acquisition to expand Canter's Nevada lithium-boron portfolio.



# Key Milestones Completed

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- |   |               |
|---|---------------|
| <input checked="" type="checkbox"/> Complete transaction to acquire Altitude Ventures, including Columbus Lithium-Boron Project | November 2023 |
| <input checked="" type="checkbox"/> Secured Water Rights  | November 2023 |
| <input checked="" type="checkbox"/> \$3.2M financing completed + OTC listing / DTC eligibility                                  | December 2023 |
| <input checked="" type="checkbox"/> New technical team, advisors and directors appointed  | Q1 2024       |
| <input checked="" type="checkbox"/> All necessary permitting and contractors secured  | Q1 2024       |
| <input checked="" type="checkbox"/> 3 <sup>rd</sup> party data acquired, 3D model completed, property expanded                  | Q1 2024       |

# Catalysts & Milestones Ahead

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|                                     |  |                        |
|-------------------------------------|--|------------------------|
| <input checked="" type="checkbox"/> | Drilling commences   | April 2024             |
| <input checked="" type="checkbox"/> | AGM completed (full team in place)                               | April 2024             |
| <input checked="" type="checkbox"/> | Complete gravel transport and stockpiling for well drilling prep | April 2024             |
| <input checked="" type="checkbox"/> | Phase I brine drill results/clay drill results                   | May/June/July 2024     |
| <input checked="" type="checkbox"/> | Acquisition of Railroad Valley Project                           | September 2024         |
| <input type="checkbox"/>            | Phase II drill results   | September/October 2024 |

# Capital Structure

Ticker

CSE:CRC

OTC:CNRCF

FRA: 601

Common Shares 50,988,401

Options 580,000

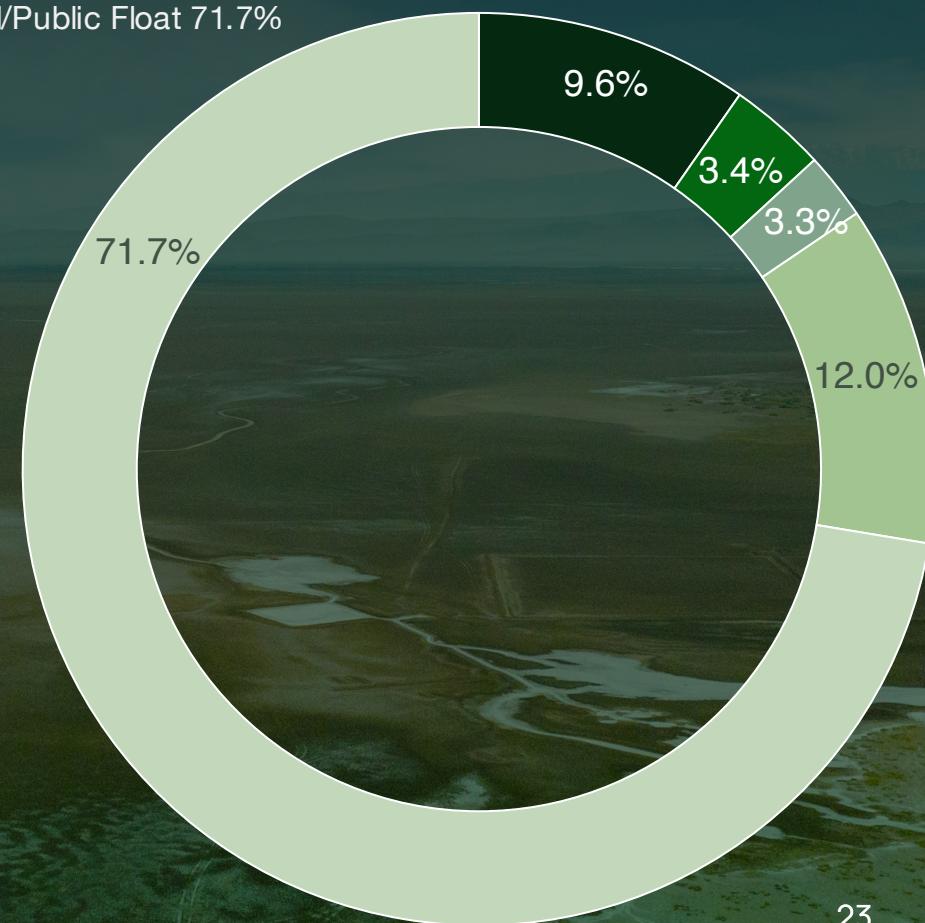
Warrants (avg. exercise price of \$0.60) 3,657,620

Shares (Fully diluted) 55,226,021

Cash Position ~\$3.0M\*

\*As of last reported on March 31, 2024

- Management & Insiders 9.6%
- Nevada Alaska Mining (Property Vendor) 3.4%
- Funds/Institutions 3.3%
- Closely Related Partner Groups (Michael Gentile, Advisors) 12.0%
- Retail/Public Float 71.7%



# Management & Board of Directors

Joness  
Lang

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CEO & Director

Executive leader with over 15 years experience, leading or co-leading over \$100M in equity raises with significant transaction experience spanning M&A, JVs, and strategic partnerships with major mining companies.

Trevor  
Hawkins

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Senior Geologist

Co-Owner of Valkyrie Resources and 2nd generation Sr. Exploration Geologist with over 35 years of industry experience in all phases of precious metals exploration, development, and project management.

Korbon  
McCall

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Project Geologist

Co-Owner of Valkyrie Resources and Exploration Geologist who has been involved in projects ranging from grass roots mineral exploration to multi-rig drill programs.

Alnesh  
Mohan

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CFO

A finance executive with 20+ years experience providing advisory services. He's been a partner at Quantum Advisory Partners, a professional services firm focused on providing CFO & accounting services to companies, since 2005. He has experience in financial reporting, corporate governance and regulatory compliance.



# Board of Directors & Technical Advisors

Eric  
Saderholm

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Independent Director  
(Tech Committee member)

Professional Senior Geologist, current Managing Director of Exploration for American Pacific Mining and former Newmont Exploration Manager for the Western US.

Ken  
Cunningham

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Independent Director  
(Tech Committee member)

Professional Senior Geologist with 45+ years worldwide diversified mineral exploration, geology, and mining focused in uranium, gold, copper and lithium. Formerly, served as the President and CEO of Miranda Gold Corp. for more than a decade.

Warwick  
Smith

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Director & Strategic Advisor

Experienced venture capitalist focused on the resource sector, known for successful M&A transactions. As CEO of American Pacific Mining Corp., including, acquisitions of: Constantine Metals, and its 14M tonne Palmer VMS Project in Alaska.

# Strategic Advisor



Michael Gentile

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Mr. Gentile is considered one of the leading strategic investors in the junior mining sector, owning significant top five ownership stakes in over 20 small-cap mining companies. Michael recently co-founded Bastion Asset Management in January 2022, a rapidly growing money management firm in Montreal with approximately \$300M in assets under management and was previously a Vice President and Senior Portfolio Manager with Formula Growth Limited.

In addition to being a large shareholder, Mr. Gentile is a valuable resource for the Company's executive team with his deep industry network and experience with M&A transactions and corporate growth strategy.

Striving to become a prominent critical metals exploration company in North America

Targeting a major discovery of lithium and boron mineralization

(Boron emerging as a critical mineral to watch given lack of suppliers and accelerated growth projections/applications)

**Flagship Columbus Lithium-Boron Project**

From the same vendors that originally staked nearby lithium projects that have supported \$1B in market capitalization

**Large-scale lithium-boron brine target**

The 23,000-acre Columbus Project presents a **unique and compelling case for lithium-boron bearing brines** with historical drilling demonstrating a multi-tiered aquifer system and recent drilling by Canter consistently intersecting shallow aquifer zones, **water rights secured** and geophysical anomalies that outline a major target area within a highly prospective structurally and hydrologically closed basin.

Exploration partnership with a highly-qualified technical team

Bringing proprietary targeting database and deep critical metals/minerals exploration experience in the US

**Executive team & advisors**

Collectively own more than 15% of the Company with track record of discovery, project development and securing strategic partnerships

Targeting the next Rhyolite Ridge (brine vs clay) Phase I 15-hole program demonstrated the same lithium-boron commodity mix in brines as the nearby (17 miles) Rhyolite Ridge Project (loneer - ~\$300M).

Phase II drilling now completed with initial results expected October 2024.

# Thank you

For investor inquiries:

☎ +1-604-908-1695

✉ [investors@CanterResources.com](mailto:investors@CanterResources.com)