



# ACME

Lithium Inc

POWERING THE ENERGY REVOLUTION

**CORPORATE PRESENTATION**

August 2022 | CSE: ACME | US OTCQB: ACLHF

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# THE FUTURE STARTS HERE

At ACME Lithium, the building blocks for the future are our focus today.

The company has multiple North American projects in areas known for lithium development and exploration. Two are found in a highly prospective region for lithium production in Clayton Valley and Fish Lake Valley, Esmeralda County, Nevada, USA, and another two are in the pegmatite fields of the Bird River Greenstone Belt in southeastern Manitoba, Canada.

We aim to power the energy revolution. Join us.

## THE RIGHT MARKET



Lithium demand  
is expected to double  
by 2024

## THE RIGHT ADDRESS



We're in regionally strong  
areas for growth and  
exploration

## THE RIGHT PEOPLE



Backed by a successful  
track record on global  
resource projects



# MEET LITHIUM:

A soft and lightweight metal that's changing the world.

**\$75.03 BILLION USD**

Global lithium-ion battery market size in 2020

**23.3% CAGR**

Projected compound annual growth rate from 2021 to 2028

**\$193.13 BILLION USD**

Projected market size by 2028

# THE STORY OF LITHIUM



## HOW IT'S USED

Lithium powers rechargeable batteries in electronics including cell phones, laptops, cameras, tools, and most notably, electric vehicles (EVs).



## WHERE IT COMES FROM

Lithium is found within minerals in rocks as well as brine that is taken from underground pools and then extracted by evaporating the water.



## WHY IT MATTERS

EV sales increase every year and consumers can expect to see prices drop as the market grows. And the star in EV production? Lithium, of course.

# NORTH AMERICAN MARKET DRIVERS

## LITHIUM SUPPLY CHAIN HEADING TOWARD A “PERPETUAL DEFICIT”

according to Macquarie Bank and Credit Suisse projections

**JULY 2021**

## \$42 BILLION USD INVESTMENT REQUIRED TO MEET 2030 DEMAND

detailed in projection analysis from Benchmark Mineral Intelligence

**MAY 2022**

## CANADA TO INVEST C\$2 BILLION ON CRITICAL MINERAL STRATEGY

focused on mineral extraction and processing for EV battery production

**APRIL 2022**

## BIDEN INVOKES DEFENSE PRODUCTION ACT

to ramp up domestic mining and secure lithium supply chain in U.S.

**MARCH 2022**

Sources:  
<https://www.forbes.com/sites/timtreadgold/2021/07/02/lithium-price-tipped-to-rise-after-warning-of-perpetual-deficit/?sh=59484db24ab7>  
<https://www.resourcesrisingstars.com.au/news-article/lithium-demand-expected-quadruple-requiring-42b-investment>  
<https://www.nytimes.com/2022/03/31/business/economy/biden-minerals-defense-production-act.html>  
<https://www.reuters.com/business/exclusive-canada-spend-c2-bltn-mineral-strategy-ev-battery-supply-chain-2022-04-04/>

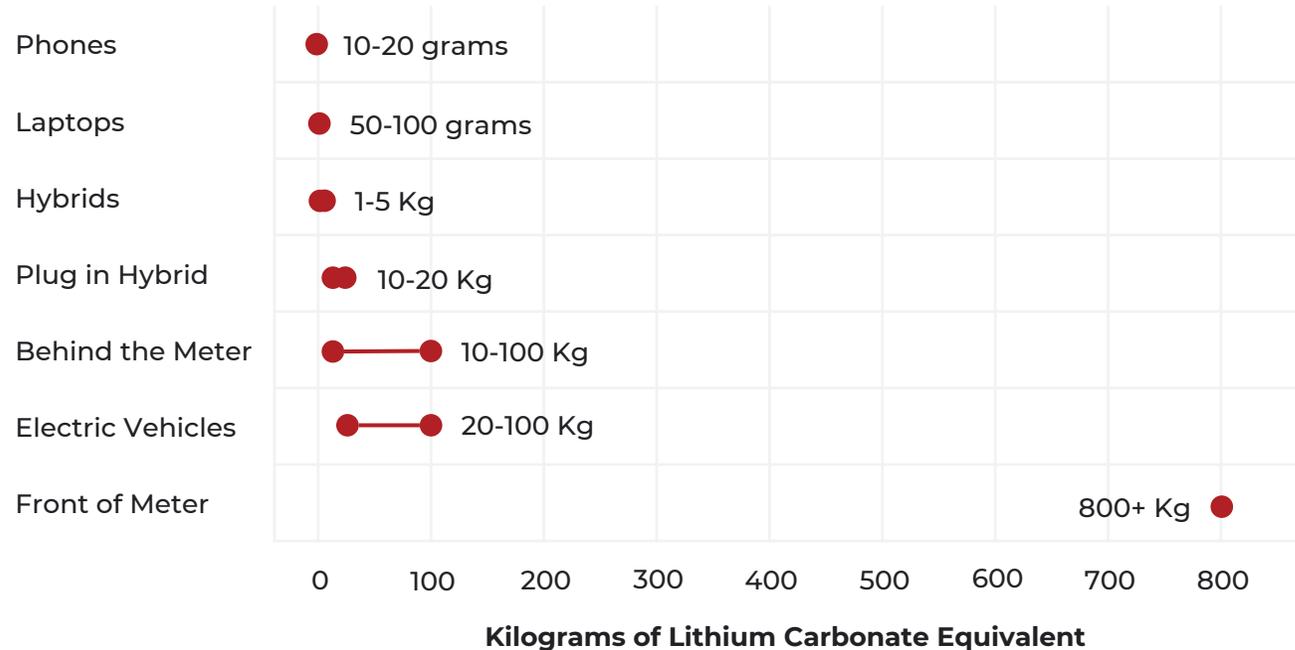


“Supply chain in the U.S. today for [EV] batteries is about 40,000 tons per year, which is going to go to excess of 400,000 tons per year by 2030. The entire world supply, today, needs to be replicated just for use in North America in less than 10 years... and global demand for lithium is expected to grow 4,000% by 2040 according to the International Energy Agency.”

# BUILDING THE FUTURE, TOGETHER

## LITHIUM CARBONATE USE FOR VARIOUS DEVICES

### Range of LCE (lithium carbonate equivalent)



# RAPID GROWTH IN A CHANGING WORLD

While lithium is used in countless ways, the part it plays in EVs is the most interesting opportunity to watch in the coming years.



10%

OF PASSENGER VEHICLES ARE FORECASTED TO BE POWERED BY LITHIUM-ION BATTERIES GLOBALLY BY 2025

27%

OF PASSENGER VEHICLES ARE FORECASTED TO BE POWERED BY LITHIUM-ION BATTERIES GLOBALLY BY 2030

58%

EXPECTED LITHIUM-ION BATTERY PENETRATION BY 2050 IF THE GROWTH TREND CONTINUES

“

“The path to net-zero emissions undeniably includes lithium, an essential raw material for the lithium-ion batteries that power electric vehicles and energy storage applications.”

# THE PINNACLE OF THE POWER REVOLUTION

**\$48.19  
BILLION USD**

Lithium-ion battery  
market size value  
in 2022

**18.1%  
CAGR**

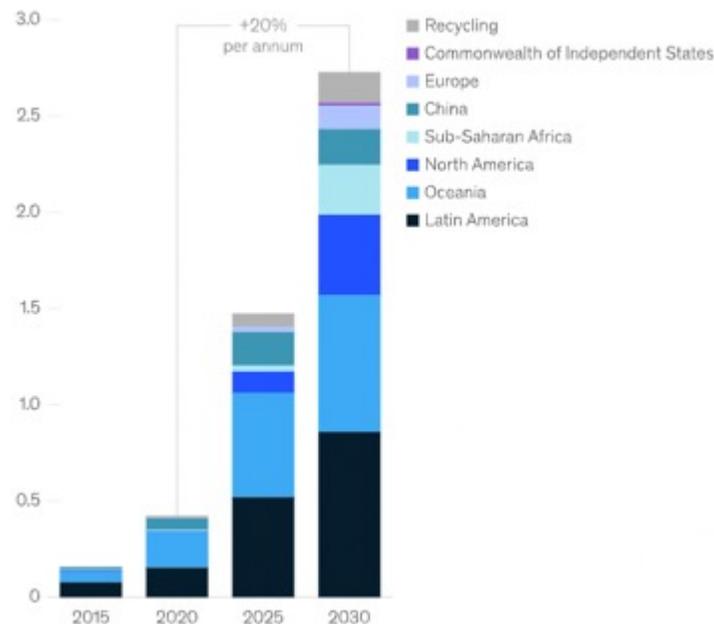
Expected global  
market growth  
from 2022 to 2030

# AN URGENT NEED FOR THE DOMESTIC SUPPLY OF LITHIUM



“To retain a competitive [automotive industry] manufacturing base, the U.S. needs a competitive EV industry supported by lithium battery manufacturing”

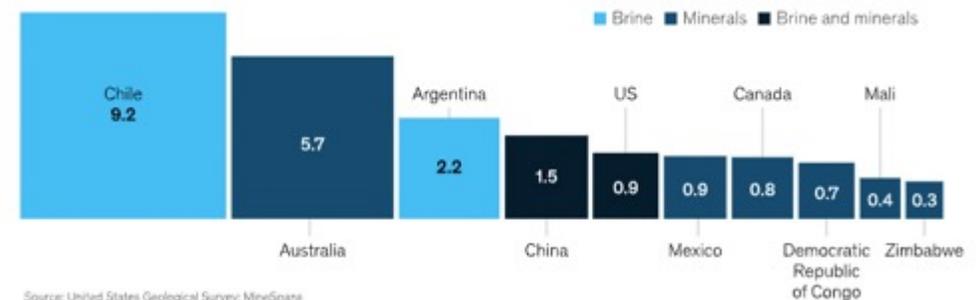
Global lithium production by source<sup>1</sup>, million metric tons lithium carbonate equivalent



2015 and 2020 estimated actual supply; 2025 and 2030 supply calculated at 89% utilization of capacity; includes all project categories. Source: MineSpans

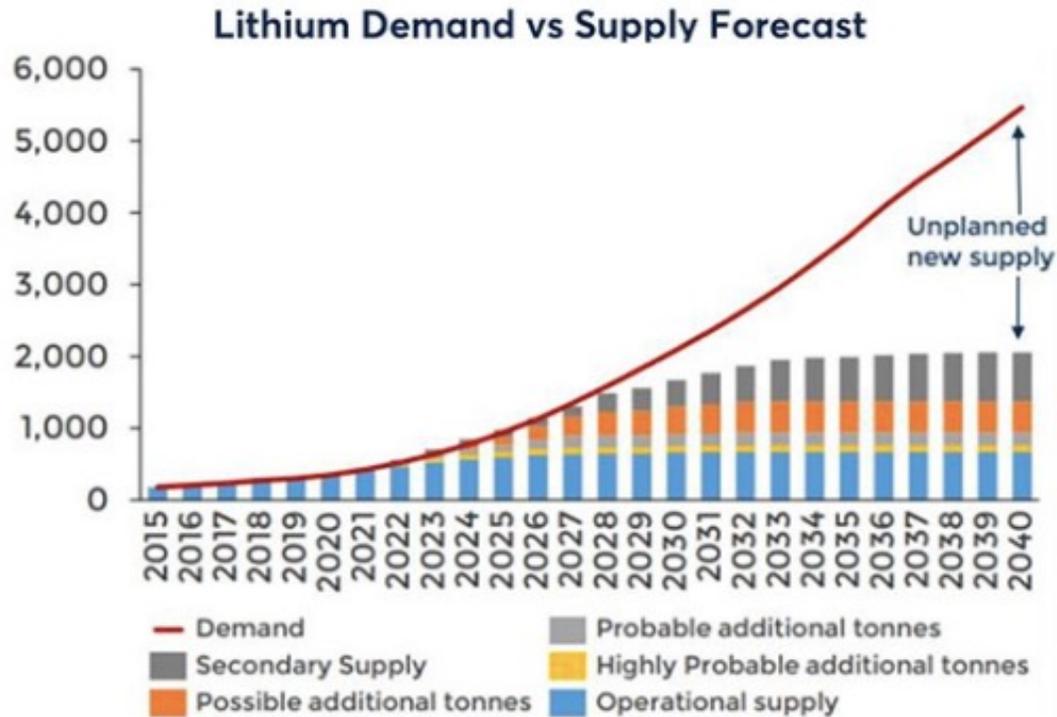
Just a few countries dominate lithium production, but reserves are found around the world. In the U.S., the government is actively focused on building a domestic lithium supply chain.

Top 10 countries with largest lithium reserves, million metric tons



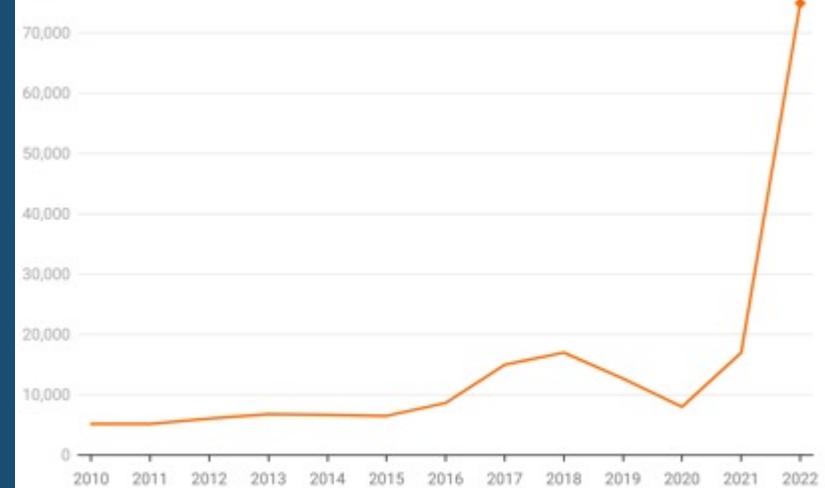
Source: United States Geological Survey; MineSpans

# WHERE IS LITHIUM GOING?



## Lithium prices have spiked sky-high

Price of battery-grade lithium carbonate per metric ton in U.S. dollars



Prices for 2010–2021 are annual averages from the U.S. Geological Survey. Price for 2022 is from S&P Global Commodity Insights on May 4, 2022.

Chart: Canary Media • Source: U.S. Geological Survey

“

“Battery grade lithium carbonate prices reached an all-time high in 2021 and..the outlook means further increases for a commodity where prices have already skyrocketed in the last year.”

# ACME LITHIUM PROJECTS

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## NEVADA

### CLAYTON VALLEY

100% interest in 122 claims owned and under option to acquire, totaling 2,440 acres

### FISH LAKE VALLEY

100% interest in 144 lode mining claims owned, totaling 2,921 acres

## MANITOBA

### SHATFORD LAKE

100% interest in 21 claims owned, totaling 8,883 acres

### CAT-EUCLID LAKE

100% interest in 6 claims owned, totaling 2,930 acres



WITH MULTIPLE NORTH AMERICAN PROJECTS IN REGIONS KNOWN FOR LITHIUM DEVELOPMENT, ACME IS POISED TO POWER THE ENERGY REVOLUTION AND GROWTH OF A DOMESTIC LITHIUM SUPPLY CHAIN IN THE UNITED STATES.

# NEVADA PROJECTS

Welcome to Esmeralda County, Nevada, the epicenter of lithium exploration and development in the United States.

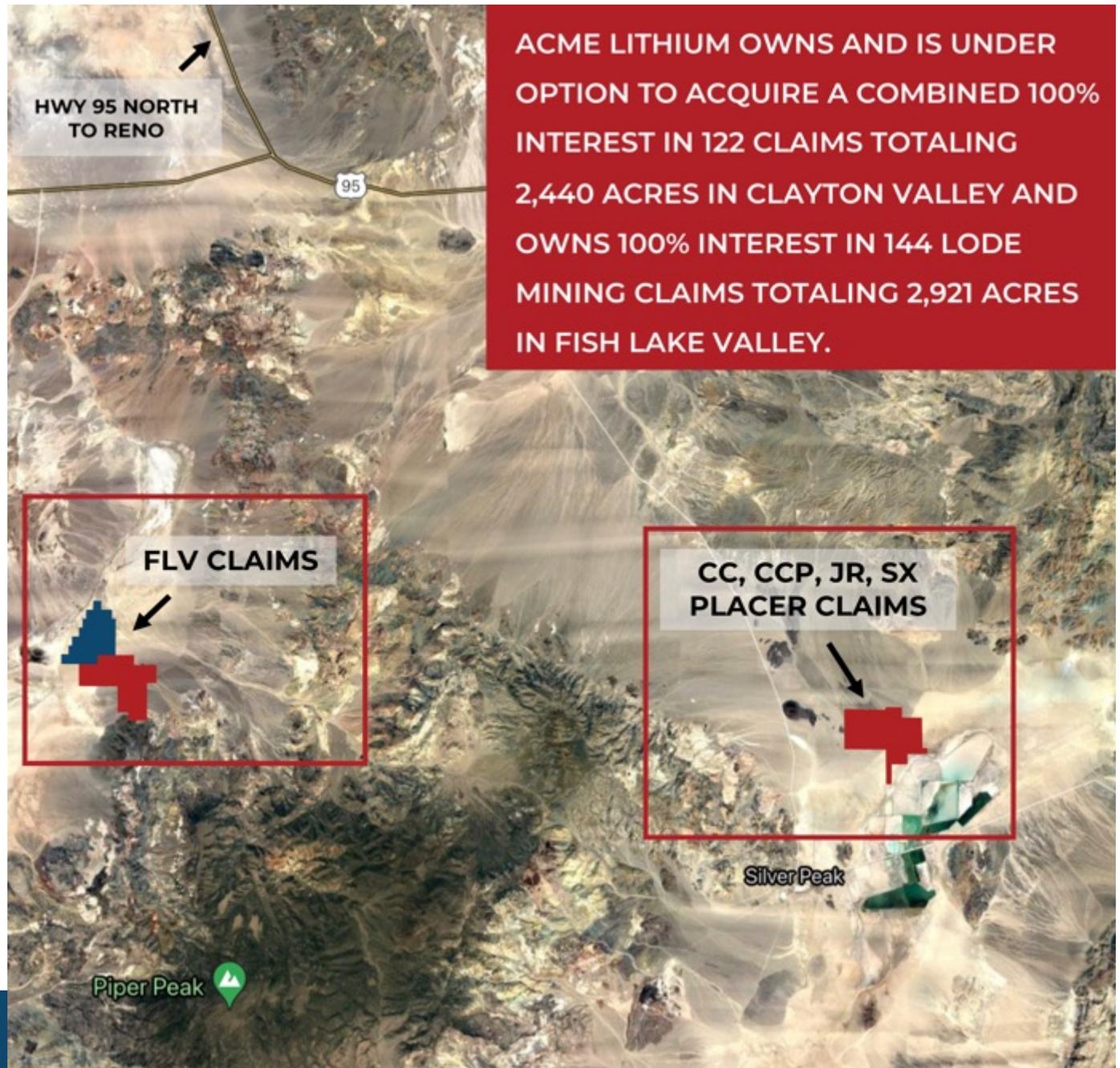
## PROJECT HIGHLIGHTS:

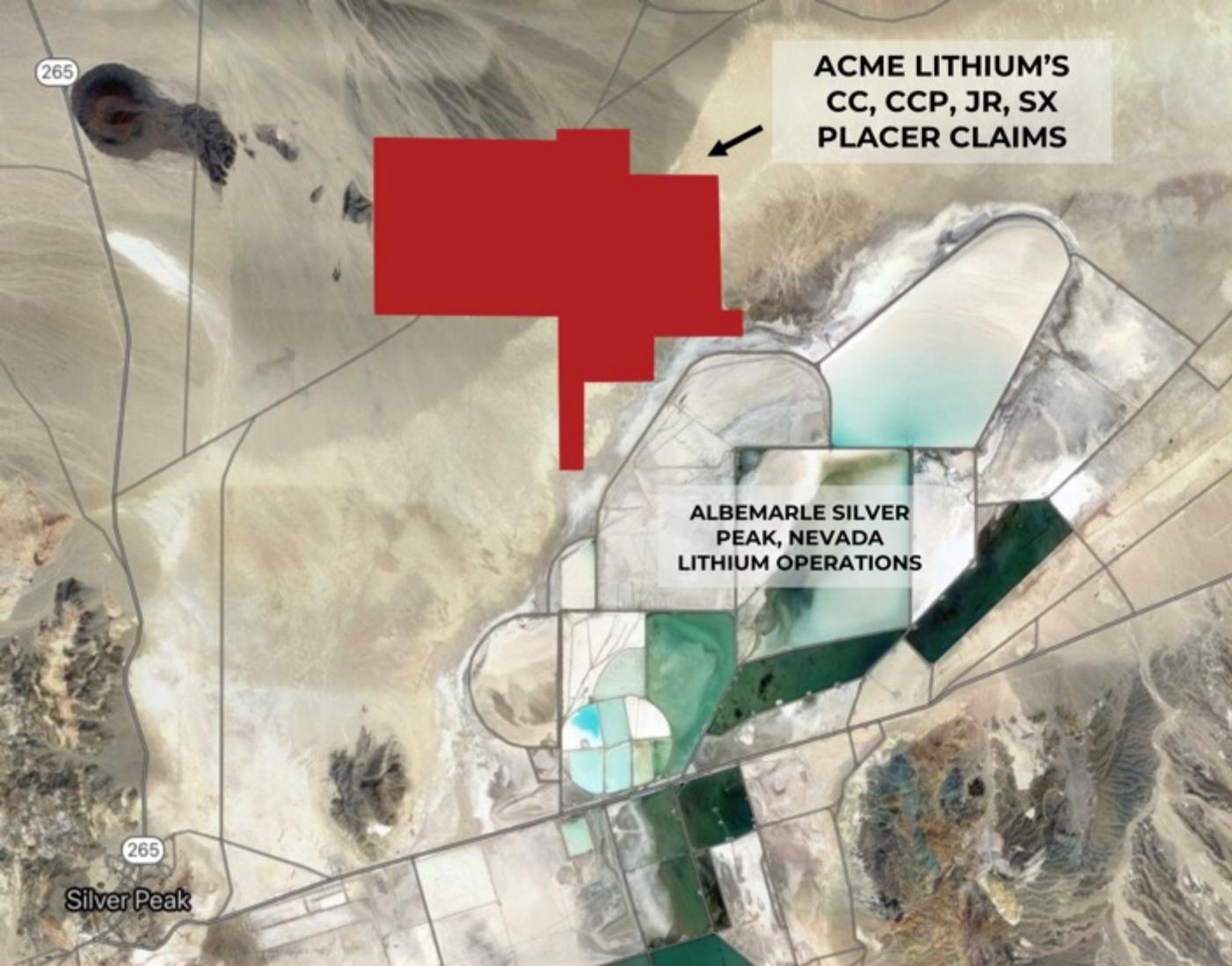
- ACME Lithium owns and is under option to acquire a combined 100% interest in 122 claims totaling 2,440 acres in Clayton Valley and owns 100% interest in 144 lode mining claims totaling 2,921 acres in Fish Lake Valley
- Nevada is the best mining jurisdiction in America
- Access to expertise, infrastructure, rail and roads, power and water
- Excellent weather, logistics, access year-round
- Tesla's Gigafactory less than 200 miles northwest
- Las Vegas less than 200 miles southeast



# BUILDING BLOCKS OF THE FUTURE

- ACME's projects neighbor Silver Peak lithium mine in Clayton Valley, owned and operated by the Albemarle Corporation (NYSE: ALB)
- The mine has produced lithium minerals from brines continuously since 1966
- Our Clayton Valley project has the potential to host lithium brines similar to Silver Peak
- Silver Peak samples analyzed up to 228 ppm lithium and concentrations up to +1,000 ppm have been found to occur within specific horizons of fine sediments





ACME LITHIUM OWNS AND IS UNDER OPTION TO ACQUIRE A COMBINED 100% INTEREST IN 122 CLAIMS TOTALING 2,440 ACRES IN CLAYTON VALLEY

# CLAYTON VALLEY PROJECT OVERVIEW

- ACME's CC, CCP, JR, and SX Placer Claims in Clayton Valley are found in an area with a rich history and promising future
- The claims cover basin-fill sediments and aquifers similar to sediments currently producing lithium brines in the region
- Extensive valley growth faults may provide an adequate plumbing system to foster brine reservoir accumulation for moving fluids around

# POSITIVE OUTLOOK FOR THE FUTURE

- ACME's Fall 2021 survey of the project claims by Hasbrouck Geophysics reported positive results for potential lithium brine
- The Phase 1 Gravity Survey and Phase 2 Hybrid Source Audio-Magnetotellurics (HSAMT) survey prioritized key drill locations to test for lithium concentrations within groundwater brines
- Based on low resistivity values, multiple areas and zones are interpreted to correlate to lithium brine occurrences in saline rich aquifers or brine saturated pebble gravel
- Prior borehole sampling near the claims has found lithium-brine present from 85 meters to the total borehole depth of 370 meters with higher concentrations within pebble gravel

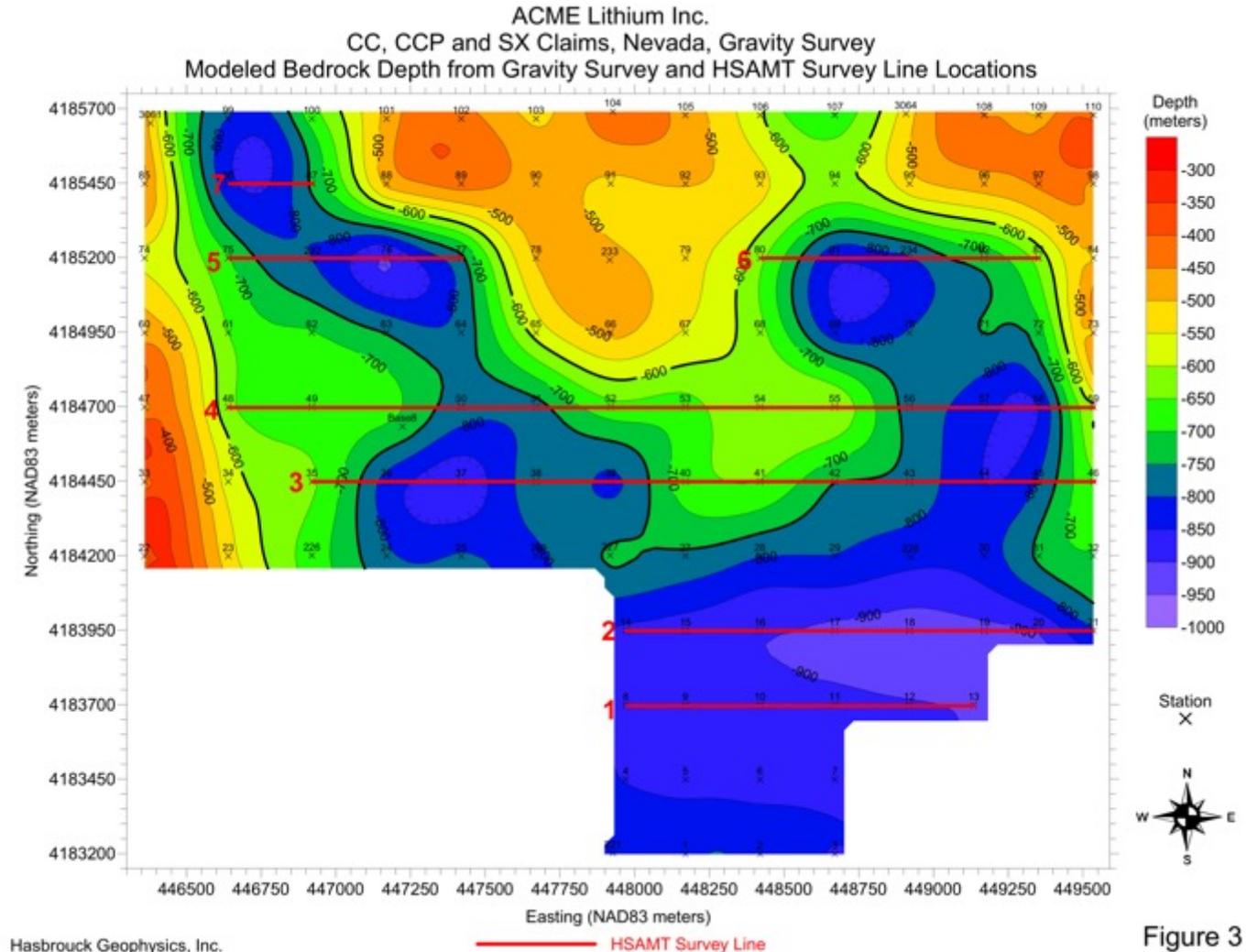


Figure 3

# ACME'S CLAYTON VALLEY DRILL PROGRAM

In June 2022, ACME commenced our Phase 1 Drill Program in Clayton Valley. Harris Drilling Exploration and Associates Inc. has been contracted to provide drilling services based on prospective lithium brine targets defined by geophysical in Fall 2021.

Phase  
1A

PROSPECTIVE BASIN SEDIMENTS HAVE BEEN ENCOUNTERED AND DELINEATED AS HIGHLY PROBABLE FOR AQUIFER UNITS

1,400  
feet

DRILL HOLE DH-1 DEPTH BELOW GROUND SURFACE; CORE IS CONSISTENT WITH KNOWN BASIN STRATIGRAPHY

Phase  
1B

PLANNED FOR Q3-Q4 2022; ADDITIONAL CHARACTERIZATION WORK WILL BE COMPLETED PENDING RESULTS OF PHASE 1A, INCLUDING DRILLING A SEPARATE, LARGER WELL FOR BRINE-AQUIFER TESTING AND SAMPLING



# AN EMERGING TECHNOLOGY

## DIRECT LITHIUM EXTRACTION

DLE is the technology we expect to use at Clayton Valley to process lithium. It is a low-cost and sustainable technology that extracts lithium from brine water.

- DLE is a more efficient process compared to traditional lithium extraction by selectively removing highly pure lithium from brine in a much smaller manufacturing facility that uses less water
- A few different technologies can be used to achieve this: porous materials that allow for lithium bonding, ion exchange, and solvent extraction
- ACME is developing relationships with companies that have DLE technology
- Schlumberger and Panasonic are currently building a DLE pilot plant near our Clayton Valley Project



**Schlumberger**

**ENERGY-X**

**E3 LITHIUM**

**Li lac**  
solutions

# FISH LAKE VALLEY PROJECT OVERVIEW

## 600 PPM IN LITHIUM CLAYSTONE

Found in sediment sampling results, positive geophysical surveys are consistent with exploration concept of Tertiary claystone which may host geochemically anomalous concentrations of lithium

## LITHIUM WITHIN CLAY-RICH HORIZONS

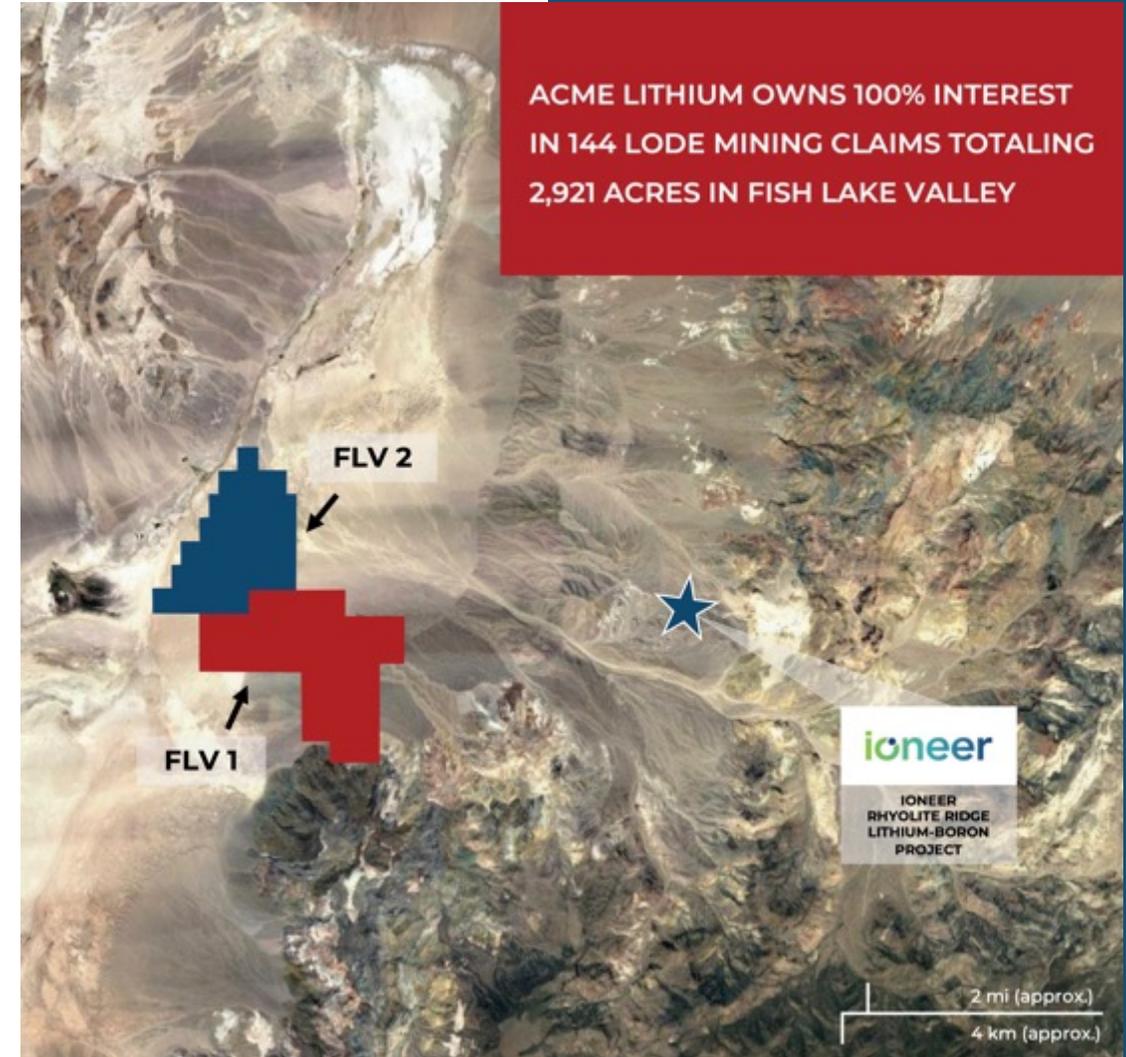
Which can potentially be recovered under reasonable metallurgical conditions, anomalous lithium values based on property exploration since 2010

## ENCOURAGING FIELD REVIEW AND SAMPLING

Surface lithium values up to 410 ppm reported in October 2021 indicate a mineral process was active during deposition of the underlying sediments

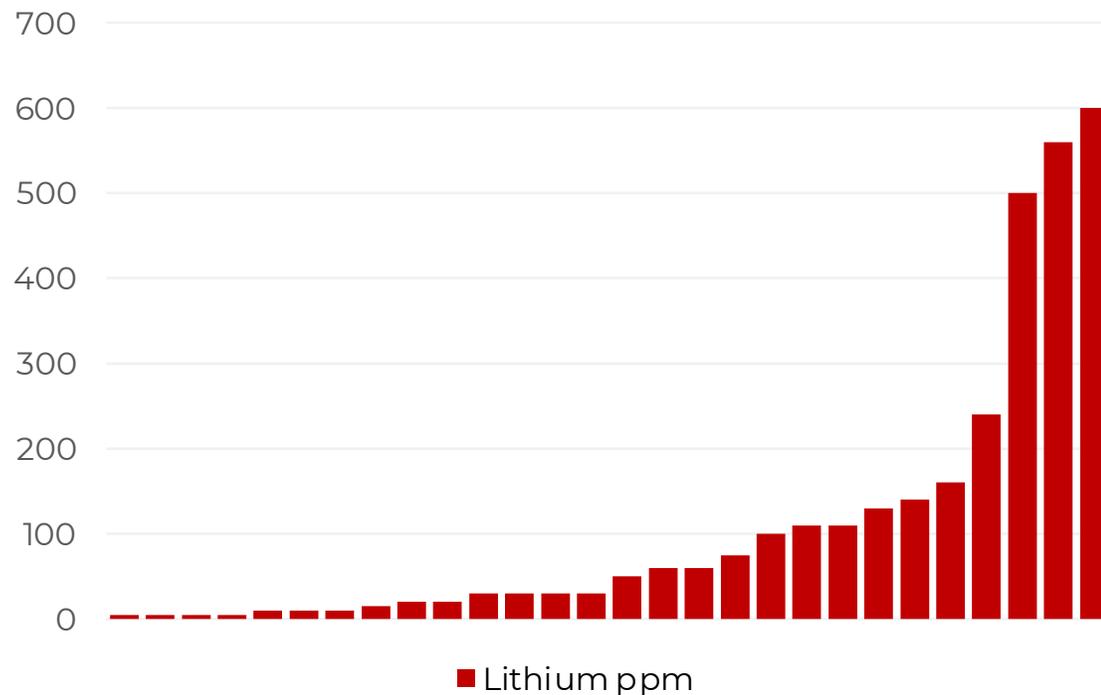
## BILLION-DOLLAR PROJECT TO THE EAST

Ioneer's Rhyolite Ridge Lithium-Boron Project neighbors the FLV claims to the east; Ford Motor Co has entered an agreement with the company to supply lithium for EV battery production in the U.S.



# HIGH VALUES OF LITHIUM

Findings from initial mapping and sampling on the Fish Lake Valley property have been positive and exploration on the property shows great potential. (Octogon, 2016\*)



## NEXT STEPS IN FISH LAKE VALLEY

To date, geological sampling results have been positive with lithium concentrations approaching 600 ppm.

- Identify new targets and explore further: mapping, sampling, geophysics
- Evaluate drill testing of economic potential of lithium claystone
- Acquire and develop additional projects to increase shareholder value

\*Source: Octogon Holdings Internal Report, 2016.  
This work was done under a previous operator.

# MANITOBA PROJECTS

The Bird River Greenstone Belt in southeastern Manitoba, Canada: A global area of focus and opportunity for emerging and developing lithium projects.

## PROJECT HIGHLIGHTS

- ACME Lithium owns 100% interest in 21 claims totaling 8,883 acres in the Shatford Lake pegmatite field and 6 claims totaling 2,930 acres in the Cat-Euclid Lake shear zone
- Region hosts hundreds of individual pegmatite bodies, many of which are classified as complex rare-element Lithium-Cesium-Tantalum (LCT) pegmatites
- LCT pegmatites account for a quarter of the world's lithium production
- The projects neighbor Tanco Mine, purchased by Sinomine Corporation in 2019
- Pegmatite ore body was discovered in the late 1920s and Tanco Mine has been mining there since 1929

# MANITOBA



TANCO MINE

WINNIPEG

**ACME**  
Lithium Inc

CAT-EUCLID LAKE

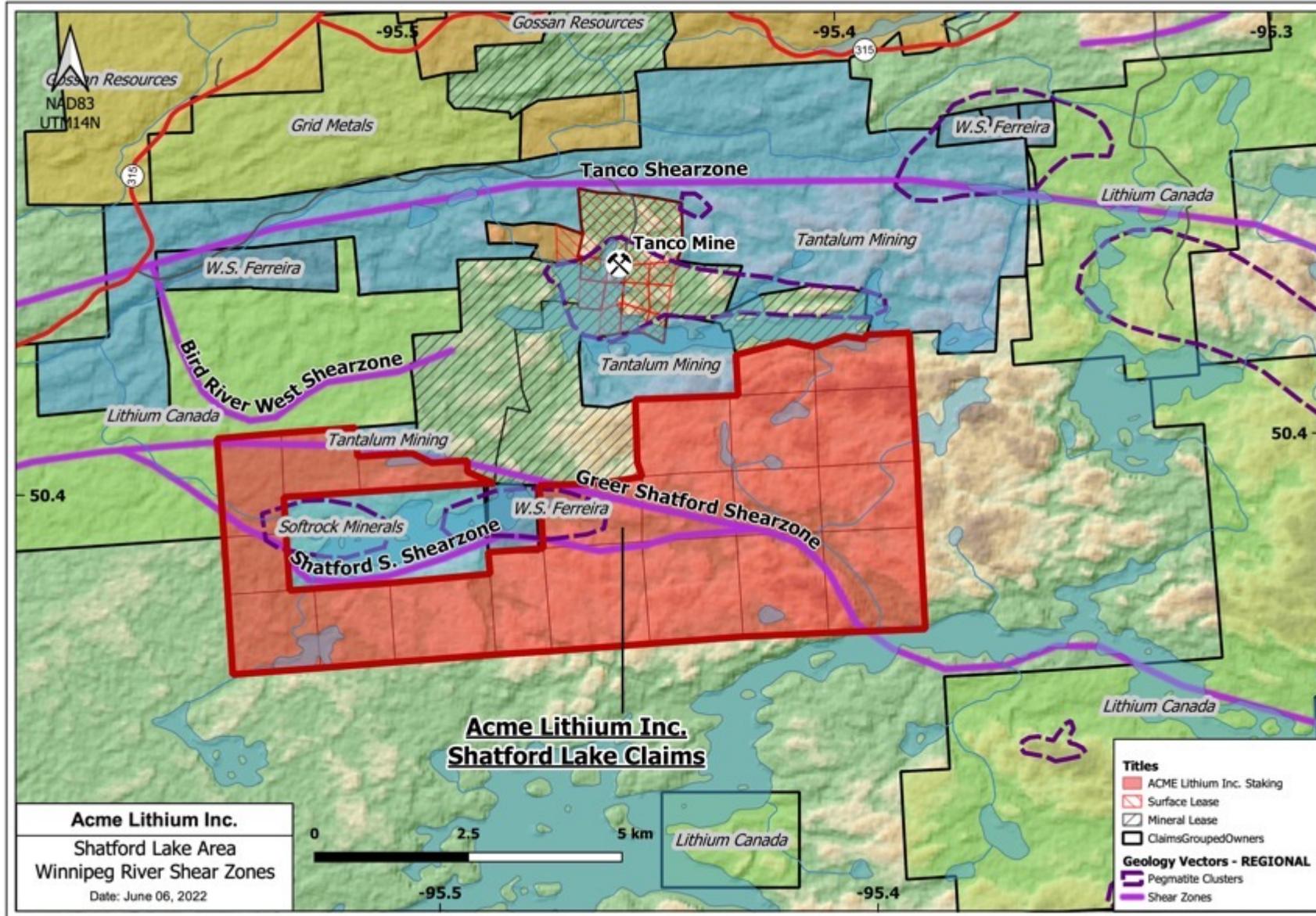
SHATFORD LAKE

**ACME**  
Lithium Inc



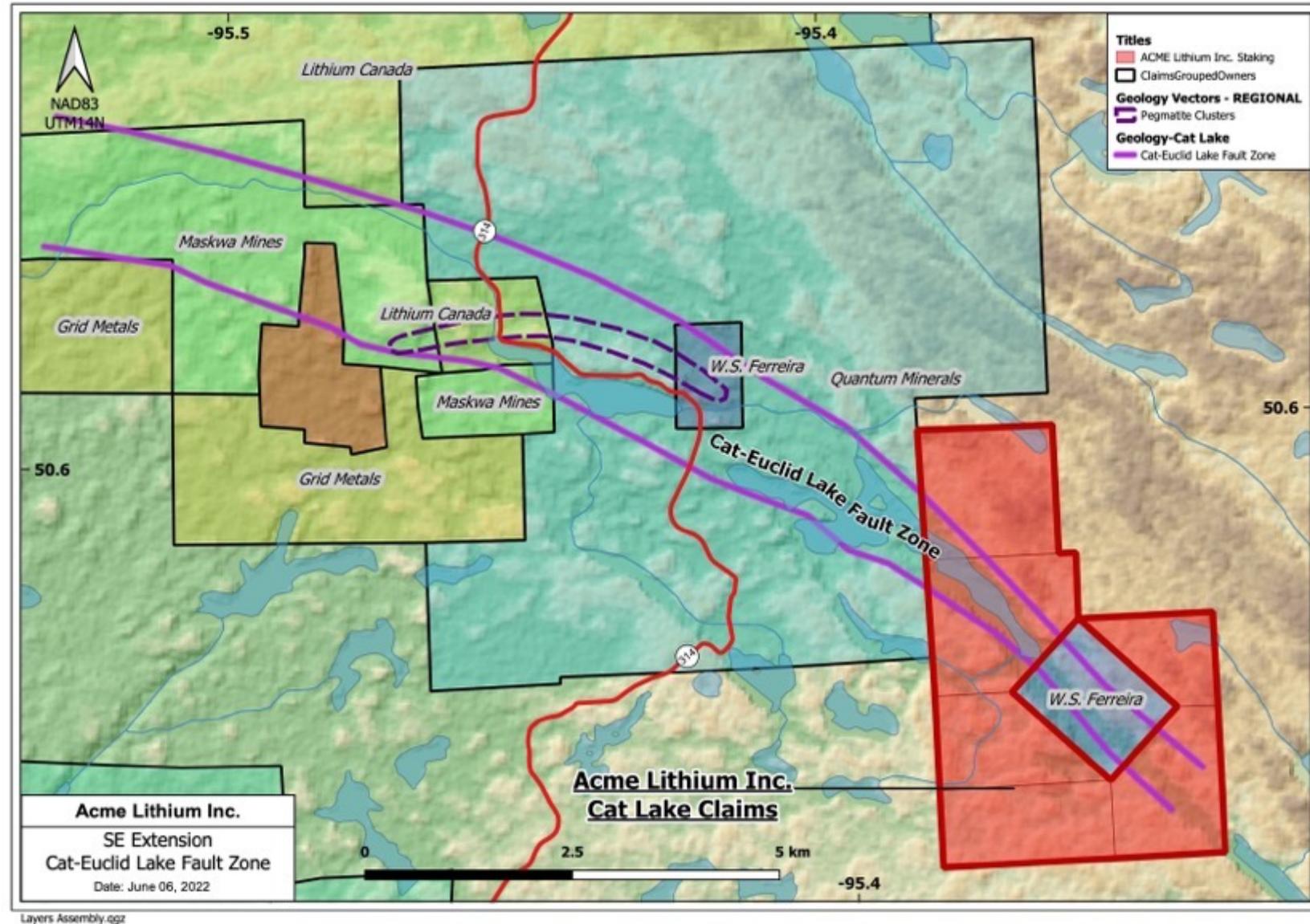
# SHATFORD LAKE PROJECT OVERVIEW

- 21 claims totaling approximately 8,883 acres in the southern limb of the Bird River Greenstone Belt
- The claims straddle a 15-kilometer structural trend of the Greer-Shatford Shear Zone, with numerous pegmatite dykes and favorable host rocks
- Tanco Mine borders the northeast corner of the claims
- Close to the South shore of Bernic Lake with Buck, Pelgi, and Dibs pegmatites



# CAT-EUCLID LAKE PROJECT OVERVIEW

- 6 claims totaling approximately 2,930 acres in the northern limb of the Bird River Greenstone Belt
- The claims straddle the prospective Cat-Euclid Lake shear zone and extend along southeasterly trend of known pegmatite occurrences
- World leading lithium producer Australia's Mineral Resources Limited (MRL, with market capitalization of over AUD\$8 billion) found west of the project





# EXPLORATION PROGRAM & NEXT STEPS IN MANITOBA

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## SUMMER EXPLORATION PROGRAM COMMENCED IN JULY 2022:

- Exploration strategy is focused on spodumene-bearing LCT pegmatites that can be a source for lithium carbonate deposits
- Program includes remote sensing, structural geology, ground-based geological mapping, and geochemical sampling to localize targets for drilling
- Extensive soil, rock, and till sampling is being conducted at both Cat-Euclid and Shatford Lakes with a focus on areas with abundant outcrop in favorable structural areas
- Structural mapping will be done on outcrops within the favorable structural domains to identify joint sets favored to host pegmatite bodies
- Airborne geophysical survey is being conducted by Dias Airborne with state-of-the-art QMAGT system that uses sensors to measure the magnetic field and interpret geology
- Drilling is planned for Fall-Winter 2022-2023 based on findings from the summer exploration program

# MANAGEMENT TEAM & BOARD

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## **STEPHEN HANSON**

DIRECTOR, PRESIDENT AND CEO

Over 28 years of finance and corporate development experience across four continents, has held executive (CEO), board and advisor positions for numerous private and public companies in mining, alternative energy, oil and gas sectors. He has been involved in a number of successful M&A transactions including exit strategies with major corporations.

## **VIVIAN KATSURIS**

DIRECTOR

A specialist in corporate development, management, consulting, and corporate services. Has over 28 years of financial experience in the brokerage industry, the North American capital markets and public financings; holds director and officer positions with several CSE and TSXV listed companies.

## **ZARA KANJI**

CHIEF FINANCIAL OFFICER, CORPORATE SECRETARY

Experienced in financial reporting compliance for junior listed companies, taxation, general accounting, financial reporting and value added advisory services for individuals, private and public companies. A member of the Chartered Professional Accountants of BC and Canada.

## **YANNIS TSITOS**

DIRECTOR

Originally a physicist-geophysicist with nearly 30 years of experience in the mining industry, including 19 years with BHP Billiton group, one of the biggest mining companies in the world. Currently the President of Goldsource Mines Inc., a TSXV listed company and sits on several boards as an independent director.

## **WILLIAM FEYERABEND**

VP EXPLORATION

A Certified Professional Geologist and a member of the American Institute of Professional Geologists with direct working experience in the exploration and development of lithium projects, including technical reports in Nevada. Has worked on projects in American West, Mexico and South America.

# ADVISORY BOARD

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## **PAUL MCGUIGAN, P. GEO.**

TECHNICAL ADVISOR

A Professional Geoscientist registered with the Association of Engineers and Geoscientists of the Province of British Columbia with 47 years of international experience in mineral exploration, deposit evaluation, mine operations, and corporate governance. Developed mineral separation techniques now commonly employed in mineral exploration, diamond exploration, and heavy mineral sands sampling.

First employed by Resource Associates of Alaska, Pechiney Ugine Kuhlmann, and Esso Minerals Canada, where he operated in Canada and the United States. Has managed the Cambria group of consulting companies in North and South America, Europe, Africa, the Middle East, and the Southwest Pacific for the last 36 years; has served as a member of the Consulting Practice and the Geoscience Committees of the Engineers and Geoscientists of BC.

## **MATT BANTA, PH**

TECHNICAL ADVISOR

Over 20 years of technical and professional experience in groundwater and surface water resource inventories, water development projects, and water resource management. Has managed and completed numerous groundwater and surface water resource investigations and inventories, hydraulic testing programs, aquifer testing programs and groundwater characterization studies throughout the world and western United States with focus on lithium brine, open pit, and underground mining projects.

Has extensive professional expertise in stakeholder engagement, environmental and natural resource studies, permitting, regulatory compliance, groundwater and surface water monitoring plans, and drilling program planning and management in the United States, Canada, South America, Russia, and Mexico.

# INVESTMENT HIGHLIGHTS

## **MULTIBILLION DOLLAR OPPORTUNITY**

in the growing battery and electric vehicle (EV) sectors

## **EPICENTER OF LITHIUM EXPLORATION & DEVELOPMENT**

with multiple North American projects focused on known regions for development

## **GEOLOGICAL TARGETS READY TO DRILL TEST**

in extensive lithium acreage with proximity to industry leaders

## **EXPERIENCED MANAGEMENT TEAM**

who have built and financed resource companies around the world

## **CAPITALIZED TO ACQUIRE ACCRETIVE PROJECTS**

in the lithium sector and growing EV space

## **FINANCING FOR THE FUTURE**

well funded with approximately \$12M in working capital which includes strategic investor Lithium Royalty Corporation and Waratah Capital Advisors Ltd.

# CAPITAL OVERVIEW

CSE	ACME
US OTCQB	ACLHF
SHARES ISSUED AND OUTSTANDING	51,091,667

## LEGAL

Owen Bird Law Corporation  
Bentall 3 Suite 2900, 595 Burrard Street  
Vancouver, BC  
Canada V7X 1J5

## AUDITOR

Charlton & Company,  
Chartered Professional Accountants  
Suite 1735 – 555 Burrard Street  
Vancouver, BC  
Canada V7X 1M9

## TRANSFER AGENT

Odyssey Trust Company  
323 – 409 Granville Street  
Vancouver, BC  
Canada V6C 1T2

# CONTACT US

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1-604-564-9045

INFO@ACMELITHIUM.COM

ACME LITHIUM US INC.

318 N CARSON ST #208

CARSON CITY, NV

89701 USA

300 - 2015 BURRARD STREET

VANCOUVER, BC

V6J 3H4 CANADA

**CSE: ACME | US OTCQB: ACLHF**

