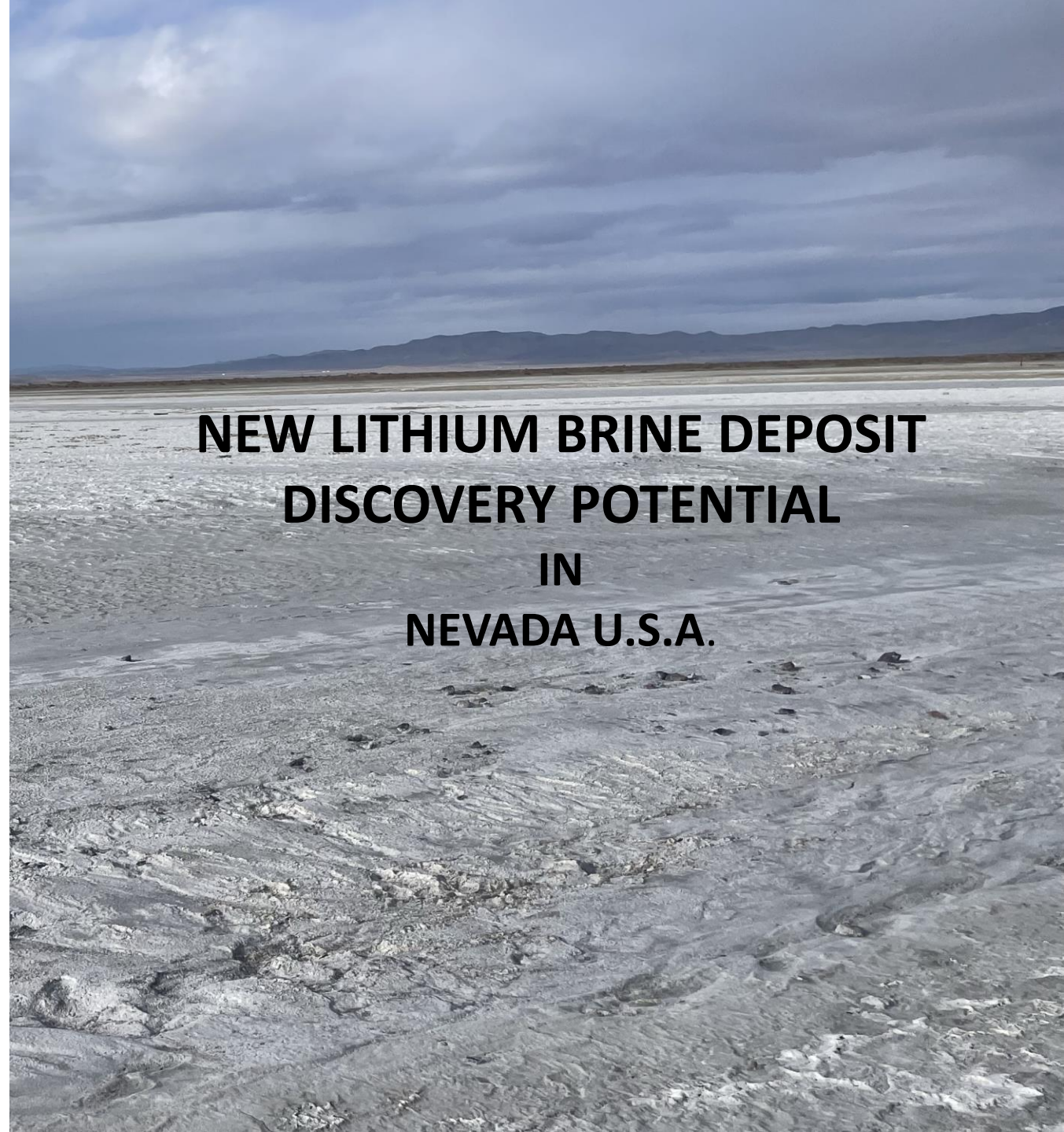


Corporate Presentation
June 2024



APXRESOURCES.COM

TSX-V : APX



**NEW LITHIUM BRINE DEPOSIT
DISCOVERY POTENTIAL
IN
NEVADA U.S.A.**

Cautionary Statement



*All information included in this presentation, including any information as to the Company's future financial or operating performance, and other statements that express management's expectations or estimates of future performance, other than statements of historical fact, constitute forward looking information or forward-looking statements and are based on expectations, estimates and projections as of the date of this presentation. Forward-looking statements contained in this presentation include, without limitation, statements with respect to: the future price of metals, the estimation of mineral resources, the realization of mineral resource estimates, permitting timelines, currency fluctuations, government regulation of mining operations, environmental risks, unanticipated reclamation expenses, title disputes or claims and limitations on insurance coverage. Forward-looking statements are provided for the purpose of providing information about management's current expectations and plans relating to the future. Forward-looking statements are generally identifiable by, but are not limited to the, use of the words "may", "will", "should", "continue", "expect", "anticipate", "estimate", "believe", "intend", "plan", "suggest", "guidance", "outlook", "potential", "prospects", "seek", "targets", "strategy" or "project" or the negative of these words or other variations on these words or comparable terminology. Forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable by management, are inherently subject to significant business, economic and competitive uncertainties and contingencies. The Company cautions the reader that **reliance on such forward-looking statements involve risks, uncertainties and other factors** that may cause the actual financial results, performance or achievements of Apex to be materially different from the Company's estimated future results, performance or achievements expressed or implied by those forward-looking statements, and the forward-looking statements are not guarantees of future performance. These risks, uncertainties and other factors include, but are not limited to, changes in the global prices for metals and minerals or certain other commodities (such as diesel and electricity); changes in U.S. dollar and other currency exchange rates or interest rates; the level of liquidity and capital resources; access to capital markets, and financing; mining tax regimes; ability to successfully integrate acquired assets; legislative, political or economic developments in the jurisdictions in which the Company carries on business; operating or technical difficulties in connection with mining or development activities; laws and regulations governing the protection of the environment; employee relations; availability and increasing costs associated with mining inputs and labour; the speculative nature of exploration and development, including the risks of diminishing quantities or grades of reserves; contests over title to properties, particularly title to undeveloped properties; and the risks involved in the exploration, development and mining business. The capital expenditures and time required to develop new mines or other projects are considerable, and changes in costs or construction schedules can affect project economics. Actual costs and economic returns may differ materially from estimates or Apex could fail to obtain the governmental approvals necessary for the operation of a project; in either case, the project may not proceed, either on its original timing or at all.*

For a more comprehensive discussion of the risks faced by the Company, and which may cause the actual financial results, performance or achievements of Apex to be materially different from the company's estimated future results, performance or achievements expressed or implied by forward-looking information or forward-looking statements, please refer to the Company's latest Annual Financial Statements and Management Discussion and Analysis, filed with Canadian securities regulatory authorities at www.sedarplus.ca.

Technical Information: Geoffrey Baldwin, P. Geo., a Qualified Person as defined by National Instrument 43-101 ("NI 43-101") Standards of Disclosure for Mining Projects, has reviewed and approved of the technical disclosure in this presentation.

Opportunity

New Discovery Potential

The Lithium Creek project is a district scale exploration project that has never been systemically explored or drill tested for Lithium brine.

Tier 1 Mining Jurisdiction

- Nevada is consistently rated a Tier 1 Mining district.*
- Nevada is highly supportive of developing a lithium ion battery supply chain

Epicenter of US Battery Industry

Close proximity to industry leaders like Tesla, who are based in the Reno area making it an epicentre for US Battery industry.

Multiple ESG Attributes

- Direct Lithium Extraction minimizes surface disturbance and water requirements
- Abundant alternative energy supplies including geothermal and solar.

Low Exploration Costs

- Drive up location
- Lower cost percussion drilling
- Available skilled labour and resources

Experienced Team

- Experienced Management covering finance, geology and capital markets
- Experienced, in-State technical team

Source: * The Fraser Institute.

Location

The Reno area is an epicenter for the US Battery Industry

The Lithium Creek Project is ~70 km east of Reno via Highway 80 within 30 mins of Nevada Battery Hub

“We need to end our long-term reliance on China and other countries for inputs that will power the future.”

- President Joe Biden

Nevada can be to lithium “what Wall Street is to finance, or what Silicon Valley is to technology”, Steve Sisolak, the state’s governor, has envisioned.”

- Nevada Governor Steve Sisolak

Reno-Tahoe Industrial Center

Panasonic

AQUA METALS

ABTC
AMERICAN BATTERY TECHNOLOGY COMPANY

TESLA

Albemarle Corp (NYSE: ALB)
Silver Peak Mine (Brine Producer)

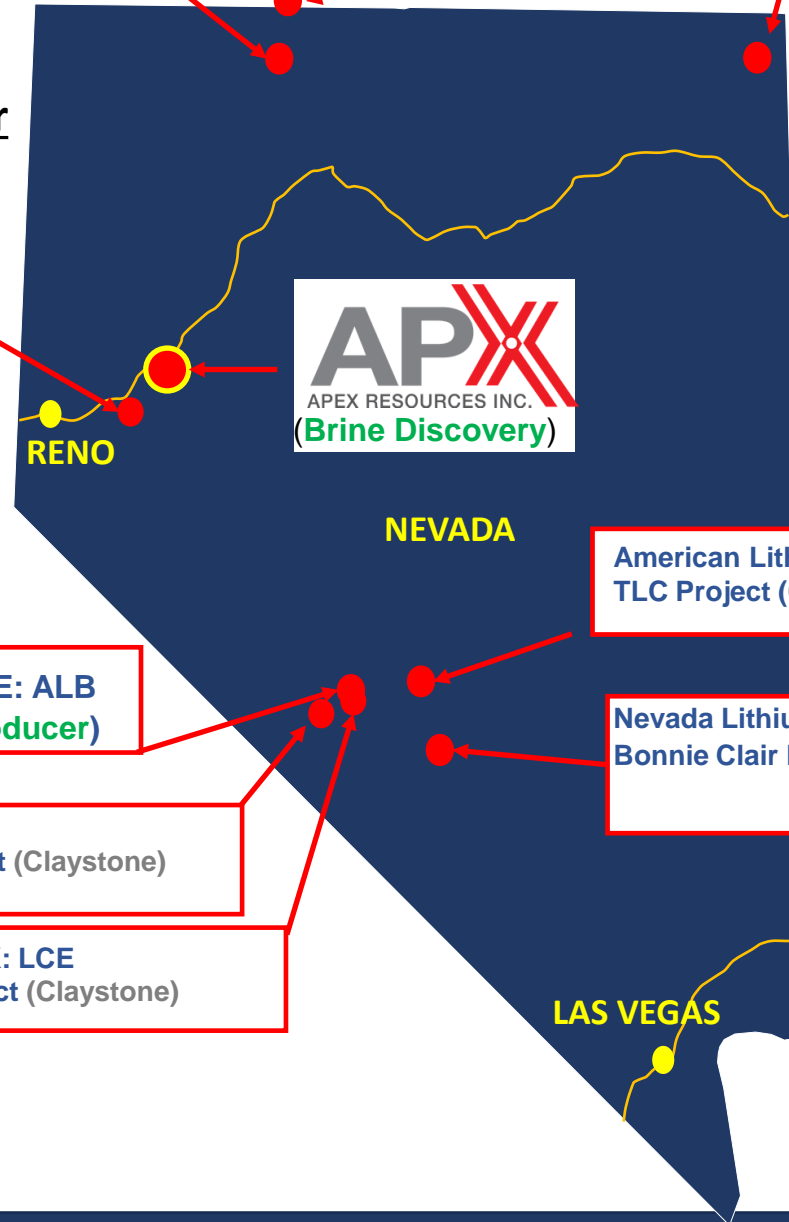
Ioneer ASX: INR
Rhyolite Ridge Project (Claystone)

Century Lithium TSX: LCE
Clayton Valley Project (Claystone)

Lithium Americas (TSX:LAC)
Thacker Pass Project (Claystone)

Jindalee (ASX: JRL)
McDermitt Project (Claystone)

Surge Battery Metals (TSX: NILI)
Nevada North Lithium (Claystone)



RENO

NEVADA

LAS VEGAS

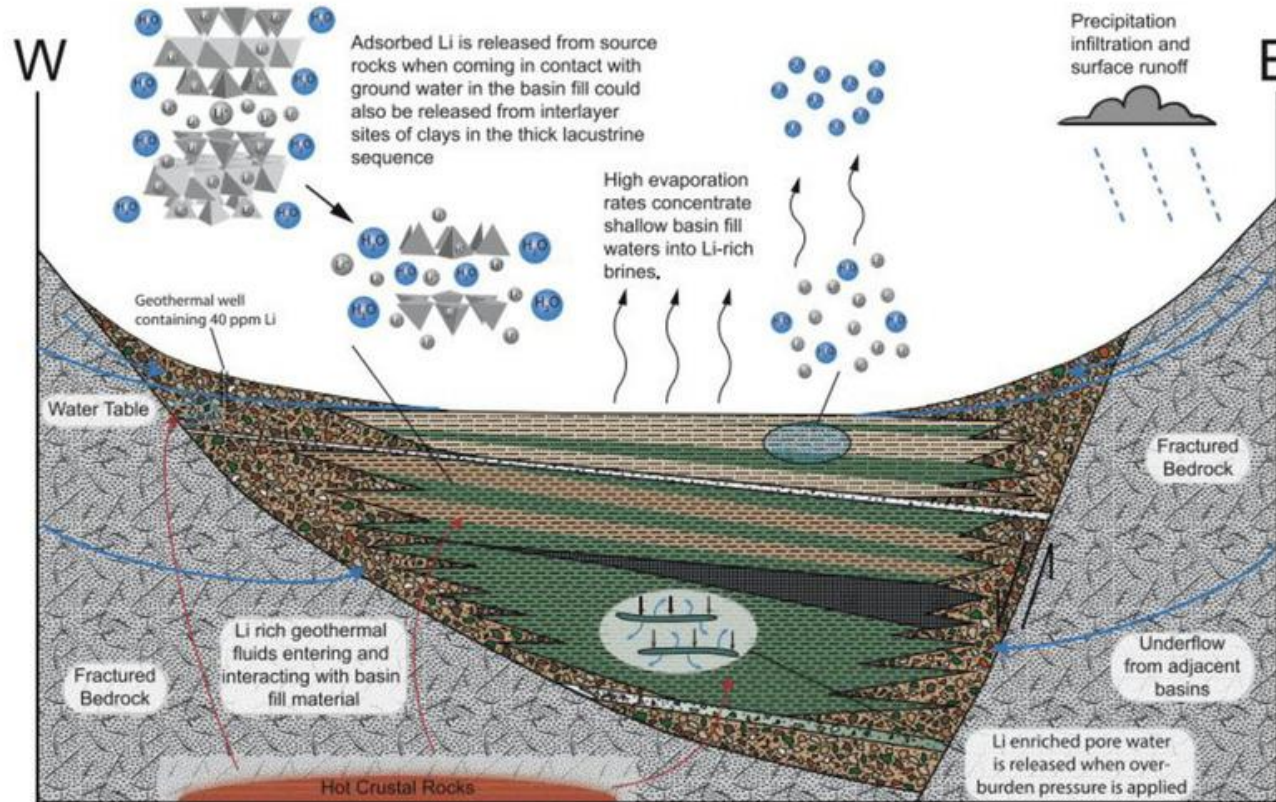
APXX
APEX RESOURCES INC.
(Brine Discovery)

American Lithium TSX: LI
TLC Project (Claystone)

Nevada Lithium CSE: NVLH
Bonnie Clair Project (Claystone)

Geological Model – Lithium Brine

Target’s geological setting is modeled on Albemarle’s Silver Peak Lithium Project – the longest producing Lithium project in the USA.



The oldest active lithium production site in the USA is Albemarle’s Silver Peak solar evaporation mine, which has been active since the 1960s. CLUI photo

Conceptual Model for Basin Brine Aquifer System

Coffey, D. M., Munk, L. A., Ibarra, D. E., Butler, K. L., Boutt, D. F., & Jenckes, J. (2021). Lithium storage and release from lacustrine sediments: Implications for lithium enrichment and sustainability in continental brines. *Geochemistry, Geophysics, Geosystems*, 22, e2021GC009916. <https://doi.org/10.1029/2021GC009916>

Lithium Creek Project

Two discoveries of lithium and boron in brine waters have been made close in proximity in Churchill County, Nevada, each displaying brines with lithium in anomalous concentrations at shallow depths.



- Laboratory analyses indicate total lithium concentrations range from approximately 13 to 22 mg/L in Lithium Creek, and 210 to 330 mg/L in the historic evaporation vats adjacent to the ESW-S and ESW-E claims.
- Boron is also present at concentrations from 220 to 400 mg/L in the evaporation vats.
- Total lithium concentration from the historic wells and pits, potentially representative of lithium in shallow groundwater, ranged from 35 to 56 mg/L and was confirmed with an umpire sample (Parker-1*).

- Laboratory analyses indicate lithium concentration in the shallow surficial brines at the DSW claims range from 38 to 71 mg/L.
- Boron is also present at concentrations ranging from 74 to 150 mg/L.

Recent Exploration Results

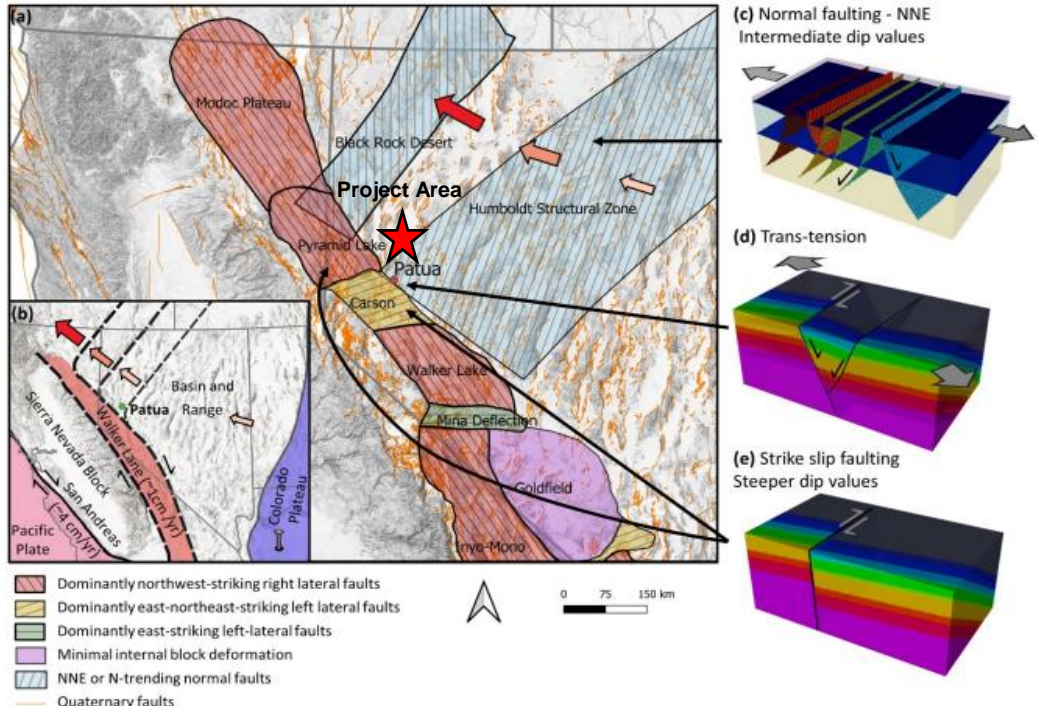
- Collection of surface water samples at the Lithium Creek sampling locations consisted of LC-1 on the ESW prospect and LC-2 on the ESW-S prospect.
- Collection of surface water from historic evaporation vats at Leete’s Eagle Salt Works on the ESW prospect consisted of samples ESW-01 and ESW-02.
- Shallow brine waters (1-2 meters below ground surface) were sampled from a historic hand dug well and pit on the periphery of the playa near the Eagle Salt Works. Samples were Parker-1 and ES-1 and were collected on the ESW prospect.
- Shallow brine waters (1-2 meters below ground surface) were sampled from historic hand pits at the DSW prospect. Samples were designated DSW-1 and DSW-2.

Summary of Lab Results

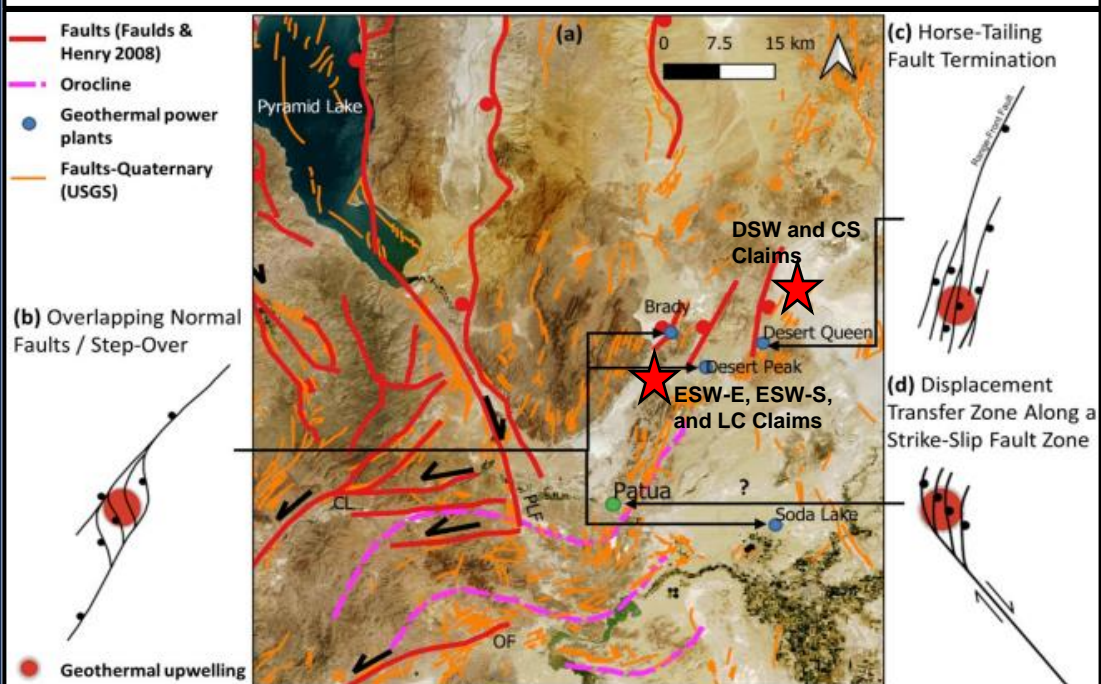
Sample ID	Collection Date	Lab	Site	Total Lithium (mg/L)	Total Boron (mg/L)	Dissolved Lithium (mg/L)	Dissolved Boron (mg/L)
ESW-01	1/29/2019	Wetlab	ESW	330	400	--	--
ESW-1*	2/7/2023	Alpha	ESW	220	220	210	260
ESW-02	1/29/2019	Wetlab	ESW	20	--	--	--
Parker-01	2/27/2019	Wetlab	ESW	35	91	--	--
Parker-1*	2/7/2023	Alpha	ESW	56	110	51	100
LC-1	2/27/2019	Wetlab	ESW	22	73	--	--
LC-1*	2/7/2023	Alpha	ESW	14	50	13	50
LC-1	2/27/2022	Wetlab	ESW	18	60	--	--
ES-1	2/27/2019	Wetlab	ESW	35	28	--	--
LC-2	3/10/2022	Wetlab	ESW-S	19	66	--	--
DSW-1	12/1/2022	Wetlab	DSW	38	120	--	--
DSW-1	6/9/2022	Wetlab	DSW	71	150	--	--
DSW-2	6/9/2022	Wetlab	DSW	34	74	--	--

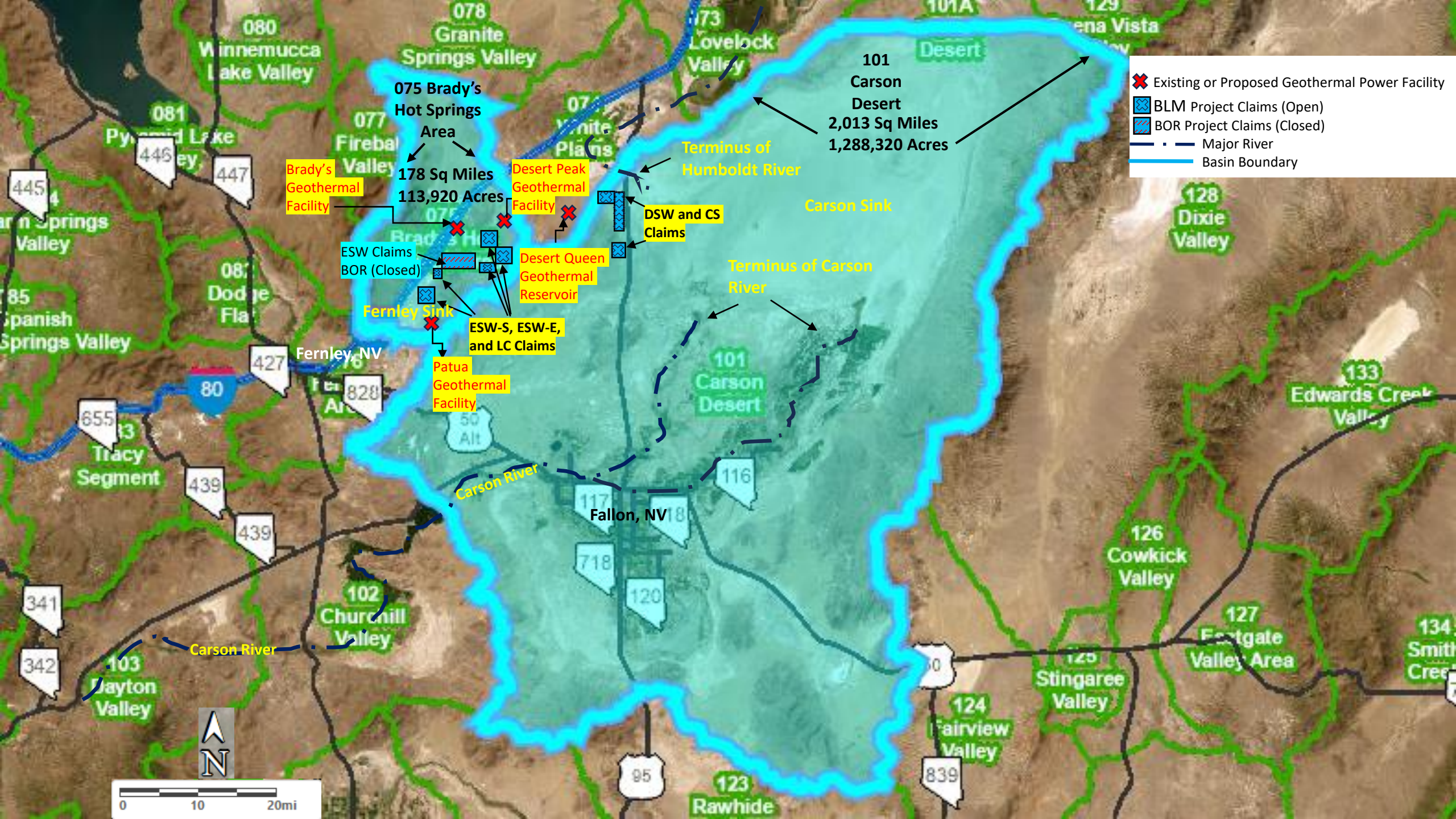
**Third-Party Umpire Samples.*

Geological Setting and Basic Conceptual Model



- The ESW, ESW-E, ESW-S and Li claims are within the Fernley Sink area which is the transition zone between the Walker Lane faulting zone and the Basin and Range Province.
- A dextral (right lateral strike-slip) motion diffuses into northwest-directed extension, which leads to normal faults striking north-northeast in the northwestern Great Basin (Top Image, Pollack et. al., 2020).
- The data indicates the Eagle Salt Works, and the Fernley Sink are in, or adjacent to this trans-tension zone between strike slip and normal faulting domains.
- This structural environment controls and isolates fluid movement in the basin, providing strong evidence that there is no out-flow of groundwater or surface water from the basin.
- The DSW and CS claims are in the Carson Sink, also exhibiting strong structural controls along north-northeast normal faults. Specifically in the area of the DSW prospects, an extension of the Desert Queen Fault is thought to isolate subsurface fluid movement in the Carson Sink.
- The ESW and DSW claims are in or near outflow zones from geothermal upwelling in the vicinity of Desert Peak and Desert Queen geothermal systems. Geothermal fluid is expected to liberate lithium from rhyolitic tuffs and clays as the fluid is transported through faults and discharged into the lowest parts of the basin (Bottom Image, Pollack et. al., 2020).





- ✖ Existing or Proposed Geothermal Power Facility
- ☒ BLM Project Claims (Open)
- ☒ BOR Project Claims (Closed)
- Major River
- Basin Boundary

075 Brady's Hot Springs Area
178 Sq Miles
113,920 Acres

101 Carson Desert
2,013 Sq Miles
1,288,320 Acres

Brady's Geothermal Facility

Desert Peak Geothermal Facility

DSW and CS Claims

Desert Queen Geothermal Reservoir

ESW Claims BOR (Closed)

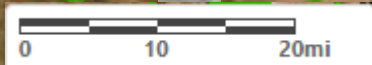
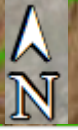
ESW-S, ESW-E, and LC Claims

Patua Geothermal Facility

Fernley Sink

Fernley, NV

Fallon, NV



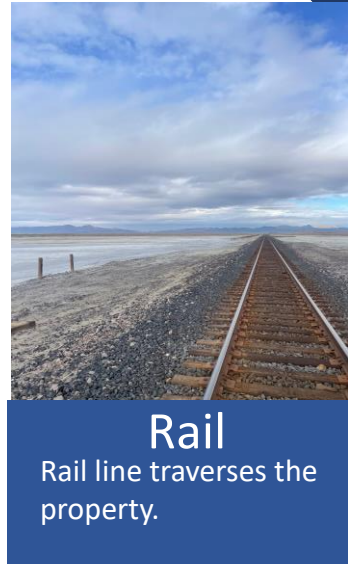
Conceptual Model Characteristics	Clayton Valley	Lithium Creek
Structurally closed basin with no outflow. Evaporative sink environment.	✓	✓
Precipitation in surrounding mountains delivers water into the system through infiltration and surface flow.	✓	✓
Water is sourced from surrounding basins through surface water and likely underflow where permeable, fractured bedrock and faults act as conduits.	✓	✓
Geothermal waters introduce hot Li-enriched water to the basin fill.	✓	✓
Geothermal waters may be sourced from a combination of meteoric and deep groundwater interactions with hot crustal rocks deep in the subsurface associated with historic volcanic activity.	✓	✓
Geothermal waters which historically emanated as surficial geothermal springs prior to brine pumping, introduce hot Li-enriched (~40 ppm) water to the basin fill.	✓	✓
Elevated temperatures due to the high geothermal gradient in the region make their way up through the basin fill via fault planes, joints and other natural fractures.	✓	✓
Basin fill materials, containing lithium in solid form, are then leached by interaction with the local groundwaters.	✓	✓
Lithium contained in the exchangeable (inter-layer) sites of clays may also be released due to the increased weathering rates of the elevated temperature fluids and cation exchange through contact with basin inflow water.	✓	✓
Crustal and basin fill rocks include felsic igneous lithologies such as Rhyolite and Dacite, numerous tuffs and ash-flow tuffs, and sedimentary deposits consisting of reworked felsic volcanics.	✓	✓
These crustal and basin fill materials, containing lithium in solid form, are then leached by interaction with the local groundwaters forming lithium enriched brines.	✓	✓

Project Visuals



Lithium Creek Infrastructure

Just a 30 min drive east of the Reno Battery hub, the Lithium Creek project is ideally located and supported by extensive infrastructure.



Value Creation through Discovery

Initial Geological Work

- ✓ Claim staking to acquire maximum amount of district (On-going)
- ✓ Initial survey
- ✓ Initial Sampling
- ✓ NI 43-101 Tech Report

Phase One Exploration

Geophysics including MT survey to define geological setting

Surficial water and lithology sampling

Development of preliminary geologic model

Phase Two Exploration

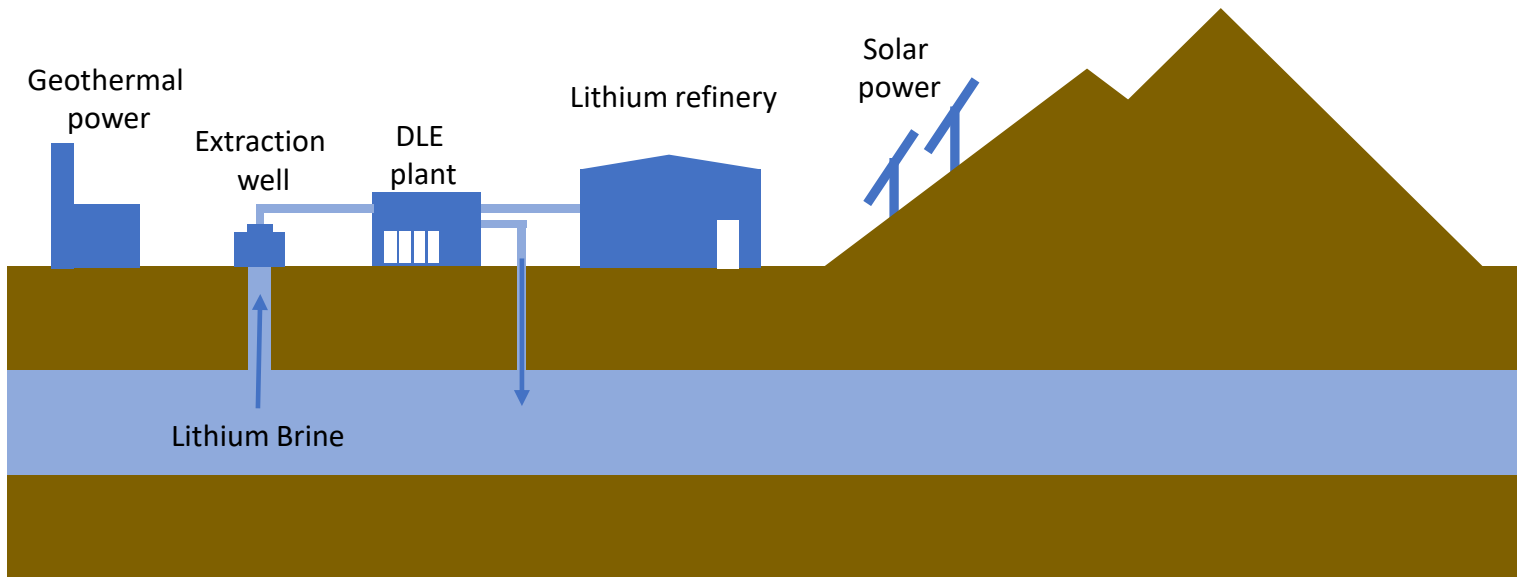
Additional geophysics to refine geologic model

Drilling of intermediate basin stratigraphy.

Zone sampling of formation waters

Clean Lithium Extraction

The **Lithium Creek Project's** potential as a lithium brine deposit makes it a candidate for using clean **Direct Lithium Extraction ("DLE")** while taking advantage of green energy sources available in the region. This will minimize water usage, reduce production times and provide a reduced carbon footprint allowing for the delivery of a "green" lithium supply for America's battery and EV market.



Direct Lithium Extraction is becoming a game changer for the lithium industry.

Conventional Lithium Mining

Hardrock

- Li concentrate as end product
- Lengthy costly exploration
- Longer permitting time
- Higher operational costs
- Environmentally challenging



Brine Evaporation

- Higher water usage
- Longer production time
- Environmentally & socially challenging



Made in North America

Inflation Reduction Act

Signed into law earmarked \$70 billion towards EV and battery supply chains across the United States.

In 2024, 40% of critical minerals found in EV batteries will have to be extracted or processed in the United States or countries with which it has free trade agreements; or, they will have to have been recycled in North America.

That percentage rises to 80% by the end of 2026. Also starting in 2024, 50% of battery components will have to be manufactured or assembled in North America rising to 100% by the end of 2028.

40%

US battery mineral content
found or processed in the
USA in 2024

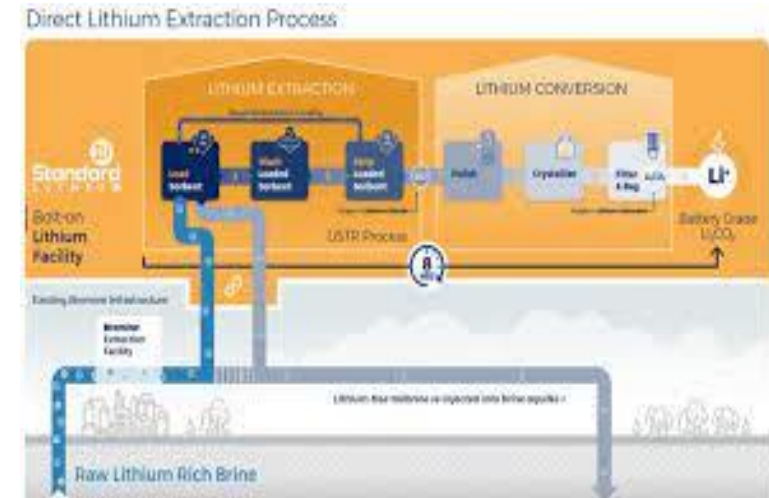
80%

US battery mineral content
found or processed in the
USA in 2026

Share Structure

TSX Venture Exchange: APX

Common Shares – outstanding	63,162,445
Stock Options	2,039,000
Warrants	20,100,000
Fully Diluted	85,301,445



DLE Extraction Plant



Lithium Creek Project –Transaction Summary

- Pursuant to the share purchase agreement with 1434001 B.C. Ltd., who has an option on the Lithium Creek Project, US\$80,000 cash payment (paid) and 18,000,000 common shares (issued) and subject to TSXV Tier 2 Value Escrow Agreement.
- Pursuant to the option agreement between 1434001 B.C. Ltd. and the vendor of the Lithium Creek Project, the option terms are:

Date for Completion	Option Payment (USD)	Exploration & Development Expenditures (USD)
Down Payment (non refundable)	\$50,000 (Paid by 1434001)	
1 st Anniversary of Effective Date*	\$100,000	\$300,000
2 nd Anniversary of Effective Date	\$150,000	\$500,000
3 rd Anniversary of Effective Date	\$300,000	\$1,000,000
4 th Anniversary of Effective Date	\$600,000	\$2,000,000
5 th Anniversary of Effective Date	\$1,200,000	\$3,000,000
6 th Anniversary of Effective Date	\$Nil	\$5,000,000
TOTAL	\$2,400,000	\$11,800,000

*Effective Date is August 25, 2023

Following the exercise of the option and acquiring 100% interest of the Lithium Creek Project, the vendor will be entitled to an aggregate of US\$2.5M upon meeting certain milestones. The project is subject to a 3.0% Gross Overriding Royalty and one-half (1/2) of the Royalty can be purchased after three years following commencement of commercial production on the project for US\$5M.

Team

Management & Board

Ronald (Ron) Lang
President / CEO / Director

Over 35 years of executive management with resource companies overseeing exploration in Canada, Mexico and Africa including serving as a board member to several junior exploration companies.

Dennis Cojuco
Chief Financial Officer

Over 15 years of financial management and reporting experience with resource companies including: Teck Resources Limited, NexGen Energy Ltd. and Rokmaster Resources Corp.

Adam Pankratz
Independent Director

Professor of Economics and Business Strategy at University of British Columbia. Independent director on a number of public companies.

Brett Kagetsu
Independent Director

A senior corporate finance and securities lawyer with the majority of his clients being Canadian reporting issuers in the mining sector. Director of Abasca Resources Inc.

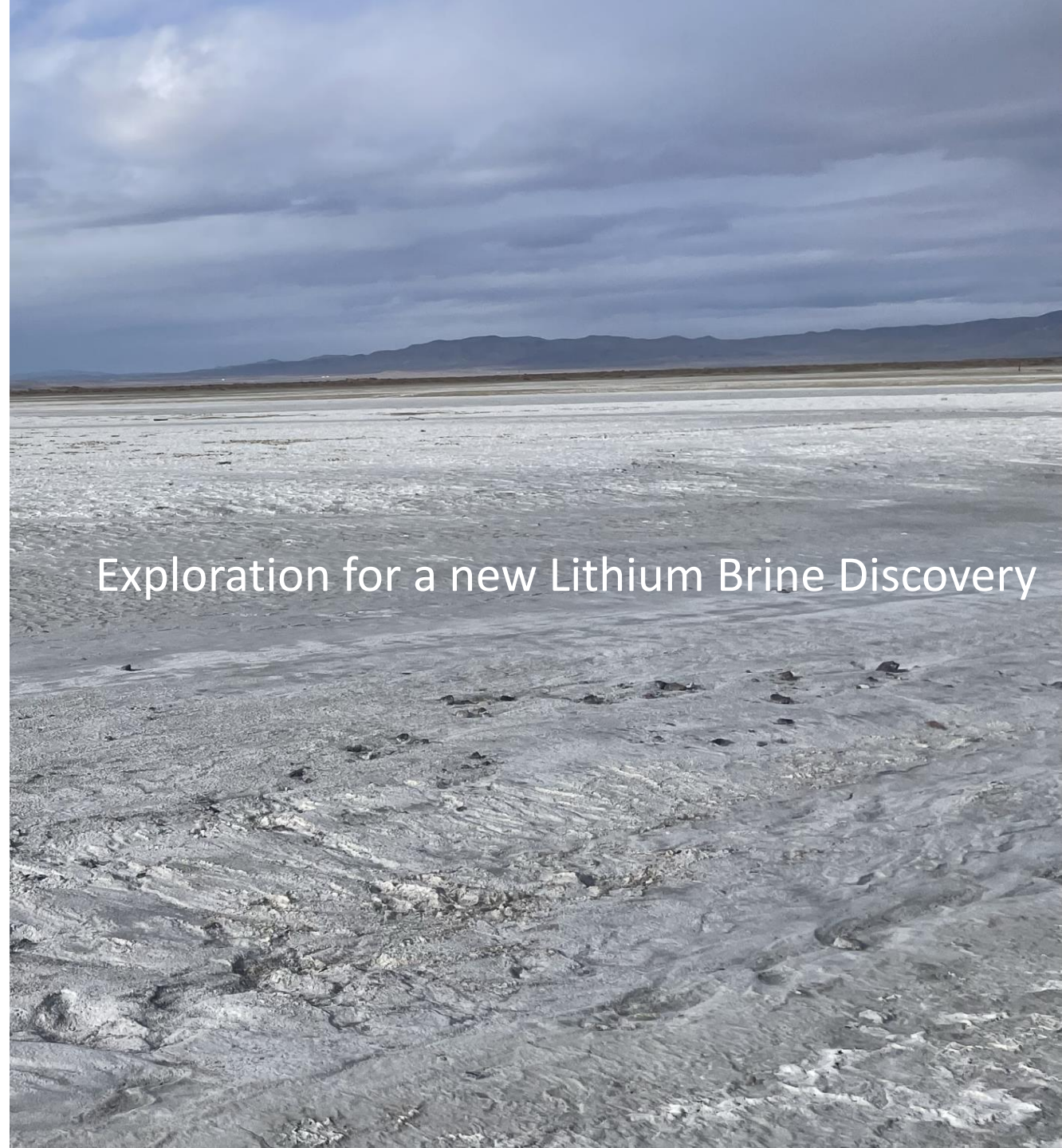


Contact:

info@apxresources.com

WWW.APXRESOURCES.COM

Apex Resources Inc
Suite 615, 650 Howe Street
Vancouver, BC, V6C2T6



Exploration for a new Lithium Brine Discovery