



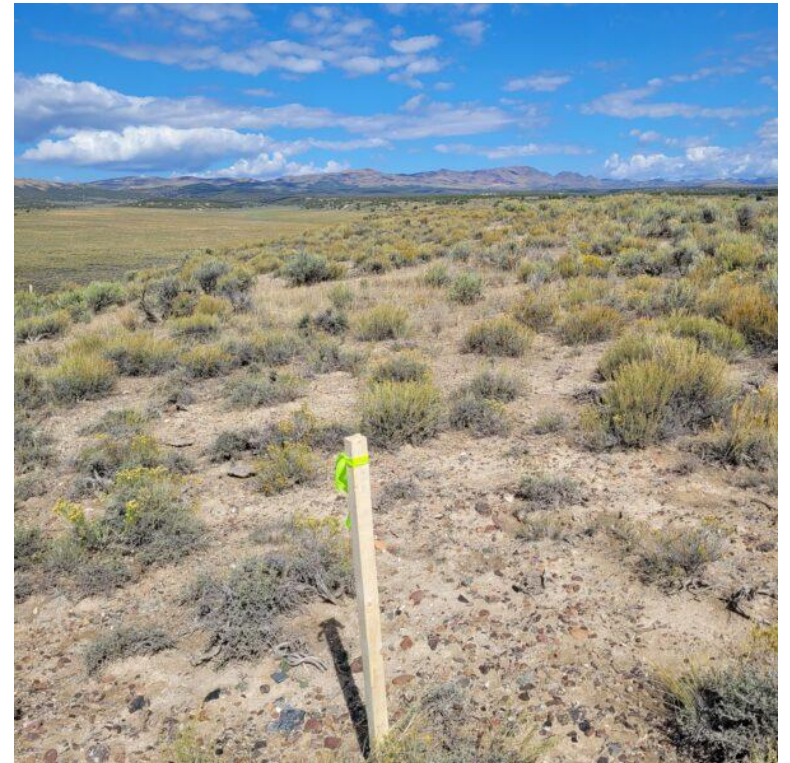
North Elko Lithium Project

www.pelotonminerals.com

CSE: PMC

OTCQB: PMCCF

May 2025



Forward-Looking Statement

Cautionary Statement on Forward-Looking Information & Statements

The following presentation may include certain “forward-looking statements” within the meaning of the United States Private Litigation Reform Act of 1995 and applicable Canadian Securities Laws. All statements, other than statements of historical fact, included in the presentation, including, without limitation, statements regarding potential mineralization resources and reserves, exploration results, and future plans and objectives of Peloton Minerals Corporation (the “Company”) are forward-looking statements. Words such as “expect”, “anticipate”, “estimate”, “may”, “will”, “should”, “intend”, “believe” and other similar expressions are forward-looking statements. Forward-looking statements are not guarantees of future results and conditions but rather reflect our current views with respect to future events and are subject to risks, uncertainties, assumptions and other factors, and actual results and future events could differ materially from those anticipated in such statements. There can be no assurance that such forward-looking statements will prove to be accurate.

Some of the important factors that could cause actual results to differ materially from our expectations are disclosed under the heading “Risk Factors” and elsewhere in documents filed from time to time with the Canadian provincial securities regulators. We base our forward-looking statements on information currently available to us and we do not assume any obligation to update them, except as required by law.

An additional Cautionary Note to Investors – In the event that we use certain terms in this presentation, such as “resource”, “measured resource”, “indicated resource” and “inferred resource”, U.S investors are cautioned that, while such terms are recognized and required by Canadian Securities Laws, the United States Securities and Exchange Commission does not recognize them. Under U.S. standards, mineralization may not be classified as a “reserve” unless the determination has been made that the mineralization could be economically and legally produced or extracted at the time the reserve determination has been made. U.S. investors should not assume that all or any part of measured or indicated resources will ever be converted into reserves. In addition, “inferred resources” have a great amount of uncertainty as to their existence and as to whether they can be mined legally or economically. Accordingly, information concerning descriptions of mineralization in this presentation may not be comparable to information made public by companies that are subject to the SEC’s Industry Guide 7.

Qualified Person

Richard C. Capps, PhD, RPG, SME Reg. Geo, a director of the Company and a “Qualified Person” under National Instrument 43-101, has reviewed and approved the scientific and technical information in this presentation.

Capitalization and Market Information

Capital Structure

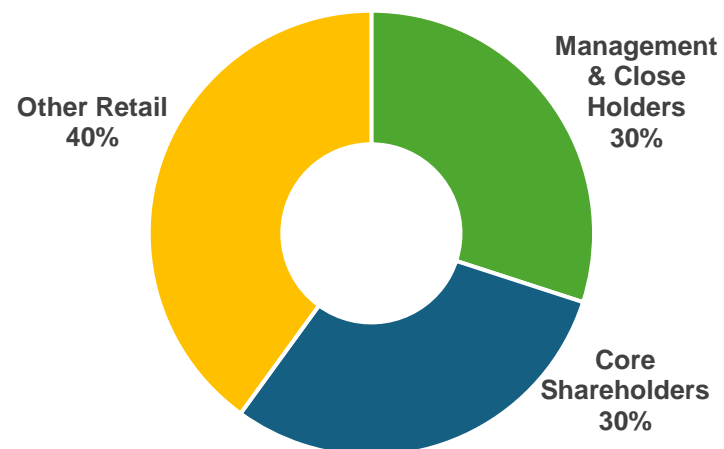
- Recent Share Price C\$0.09
- 52 Week Low-High C\$0.04 – C\$0.12
- Shares Outstanding 137 million
- Market Capitalization C\$12.5 million

Exchange Listings

- Canada CSE-PMC
- USA OTCQB-PMCCF

Ownership (+60% closely held)

- Management & Close Holders 30%
- Core Shareholders 30%



Peloton Minerals Corporation (PMC.CN)

0.0900 0.0000 (0.00%)

At close: March 28 at 2:00:16 p.m. EDT

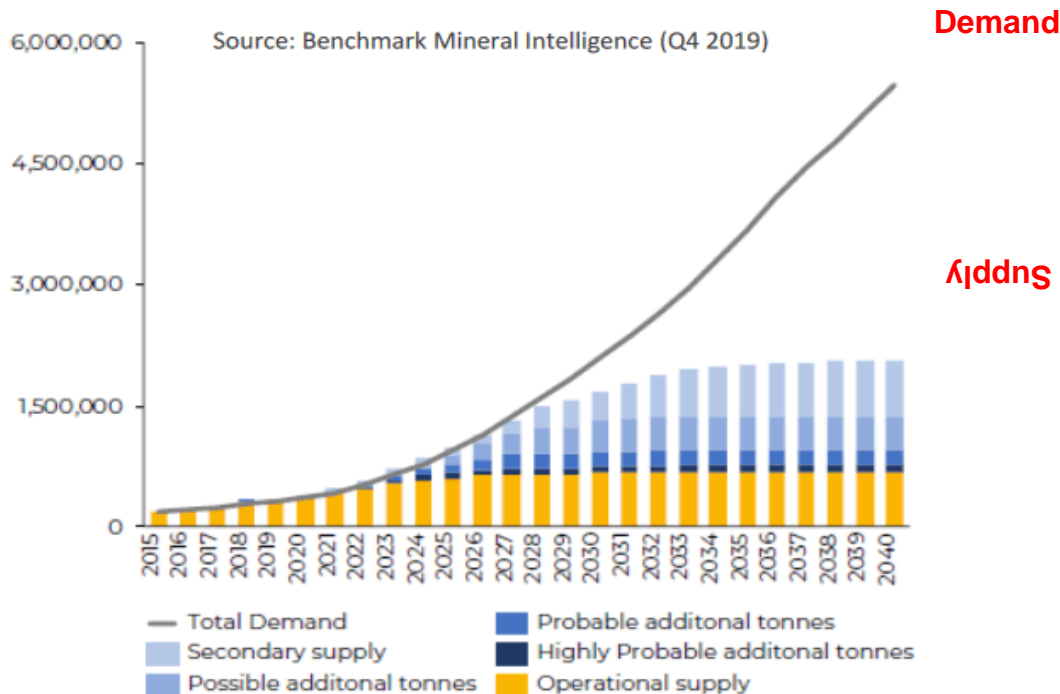


Lithium Market Demand-Supply Dynamics

Quality North American Projects are Critical

- China controls ~ 67% of global lithium supply (International Energy Agency, Lithium Report, May 2024)
- Diversity of supply is critical for the US and Canadian EV markets. US demand forecast to be +400,000 tonnes LCE in 2030
- GM and the US DOE have invested \$3.9 Billion into Lithium America’s Thacker Pass Project, Northern Nevada
- RIO TINTO enters the Lithium business with the \$6.7 Billion purchase of producer Arcadium Lithium in October 2024

Lithium Market Balance (tonnes LCE)*
2015 – 2040



Lithium Mine Production (tonnes)
2022

1	Australia	61,000	45.2%
2	Chile	39,000	28.9%
3	China	19,000	14.1%
4	Argentina	6,200	4.6%
5	USA	5,000	3.7%
6	Brazil	2,200	1.6%
7	Zimbabwe	800	0.6%
8	Portugal	600	0.4%
9	Bolivia	540	0.4%
10	Canada	500	0.4%

Total Top 10	134,840	100.0%
---------------------	----------------	---------------

Peloton's North Elko Lithium Project, NE Nevada

2023 - Surge Battery Metals discovered the highest-grade district-scale lithium in clay resource in North America immediately adjacent to Peloton claims held since 2018 – now called the North Elko Lithium Project (NELP)

Important NELP Details:

- A district-scale exploration project
- Same geologic environment as Surge
- The entire 37 sq. km. (14.25 sq miles) property is prospective
- 100% owned
- No royalties outstanding
- Easily accessed
- Close to exploration infrastructure
- Cohesive Nevada exploration team
- Permitted for drilling



Northern Nevada Lithium Trend: Evolving as an Important Source of Strategic Lithium Deposits in the USA

Three players located in the Northern Nevada Trend - Lithium Americas, Surge Battery Metals and now Peloton Minerals

LithiumAmericas

Thacker Pass – Lithium Americas Ltd.
Market Cap C\$930 Million

- Largest known lithium deposit in NA
- Proven: 14.3 Mt LCE at 2,540 ppm Li
- M & I: 44.5 Mt LCE at 2,230 ppm Li
- In Situ Value US \$588 Billion @ \$10,000 t/LCE



Surge Battery Metals Inc.
Market Cap C\$65 Million

- Highest-grade lithium clay resource in NA
- Inferred: 11.24 MT LCE at 3,010 ppm Li
- In Situ Value US \$112 Billion @ \$10,000 t/LCE



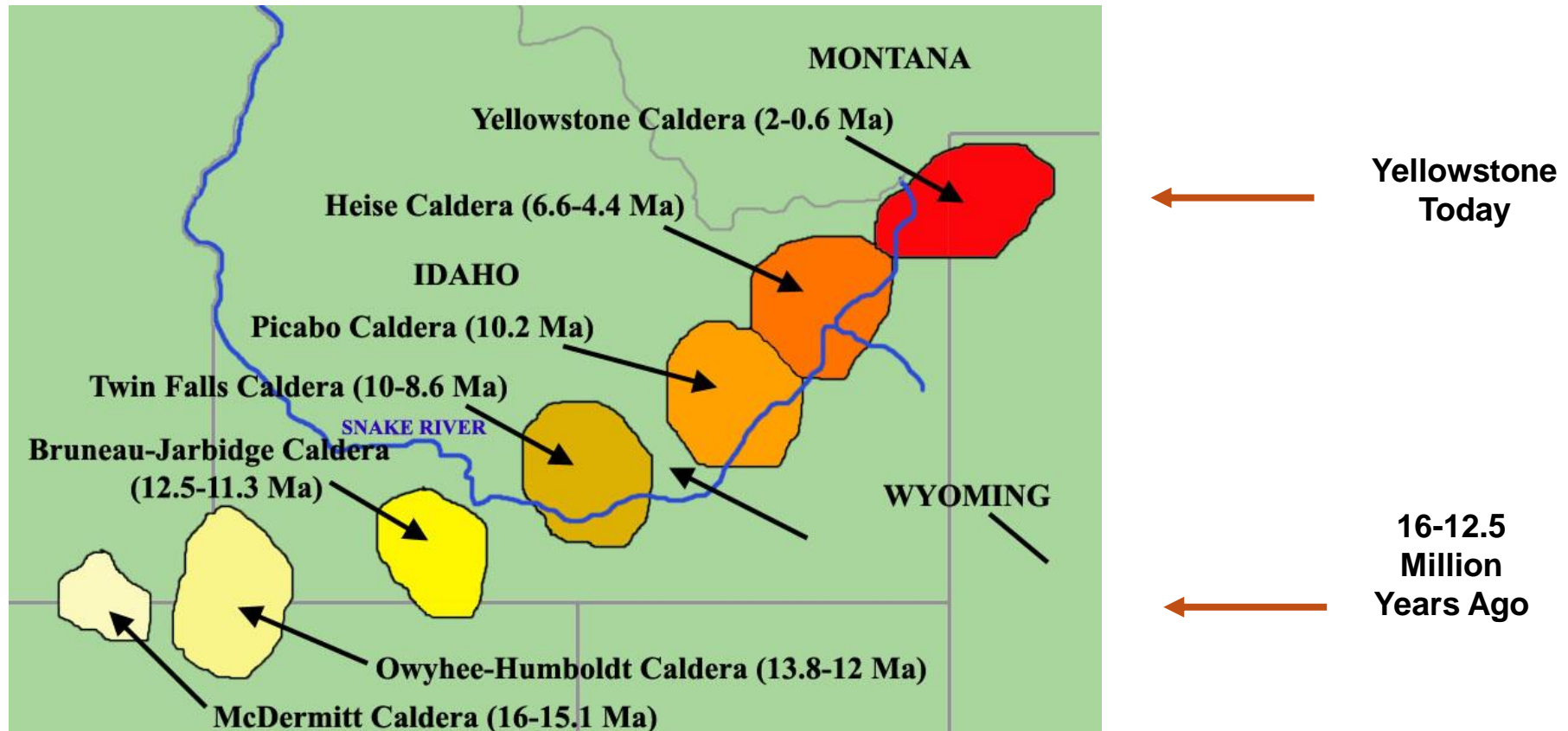
Peloton Minerals
Pre-Drilling
Market Cap C\$12.5 Million

- Adjacent to Surge
- Similar lithium clays identified across the 37 sq km property



The “Yellowstone Hotspot”

The “Yellowstone Hotspot” is Thought Responsible for the Volcanic Activity in Northern Nevada (16-12.5 Ma), Resulting in Calderas, Grabens and Lithium Clay Deposition



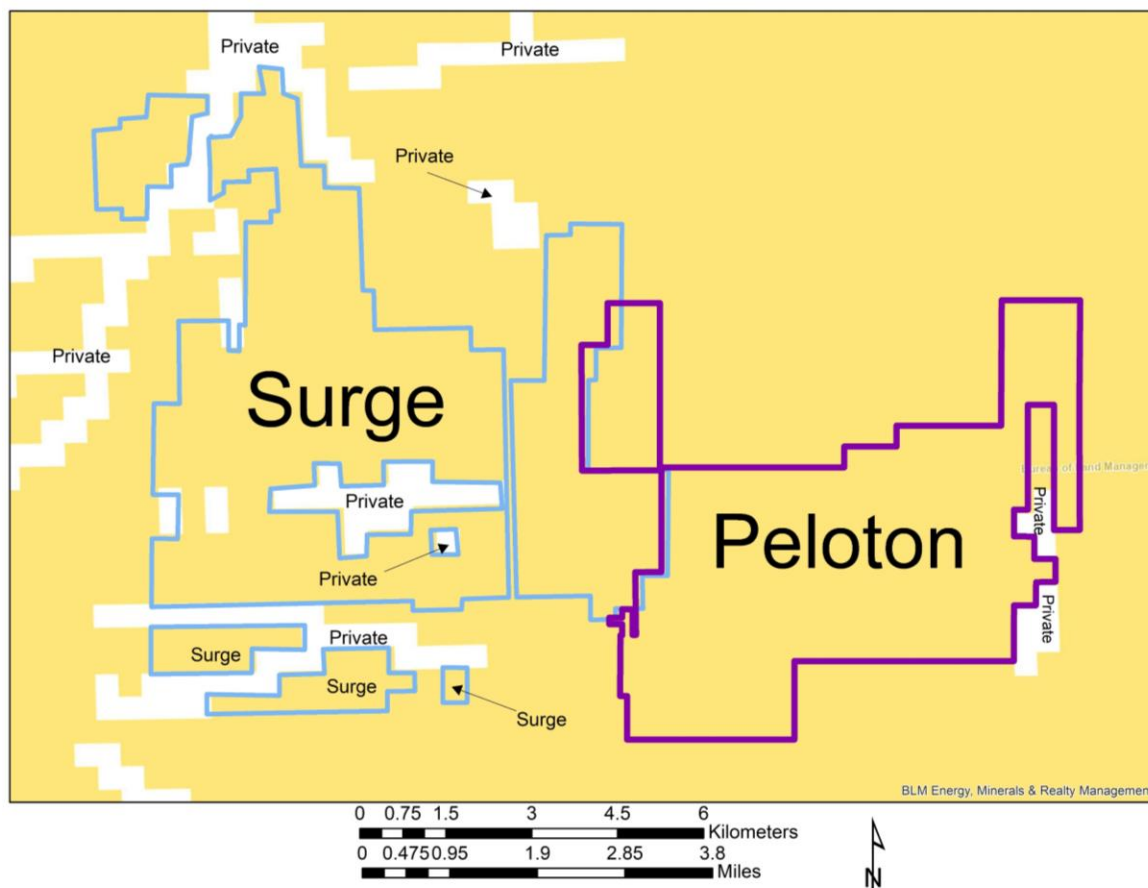
* Source: ResearchGate 2018

Surge & Peloton Ground Positions

The two largest positions in Northeastern Nevada

Surge Highlights

- Property size - 44 sq km (17 sq miles)
- Lithium deposit is in shallow clay layers striking toward Peloton
- Lithium Resource - 11.24 MT LCE Inferred at 3,010 ppm Li
- **In situ value US\$112 Billion (at US\$10,000 t/LCE)**
- 2025 Stated Agenda:
 - Complete the Plan of Operation Exploration Permit
 - Preliminary Economic Assessment
 - Additional drilling



Peloton Highlights

- Property size - 37 sq km (14.25 sq miles)
- Exploration programs show the entire property is prospective
- 2025 Agenda:
 - Surface geophysics results
 - Airborne geophysics results
 - Additional staking as needed
 - Final drill permitting
 - Maiden drilling program
 - Follow-on drilling

Completed Since Late 2023:

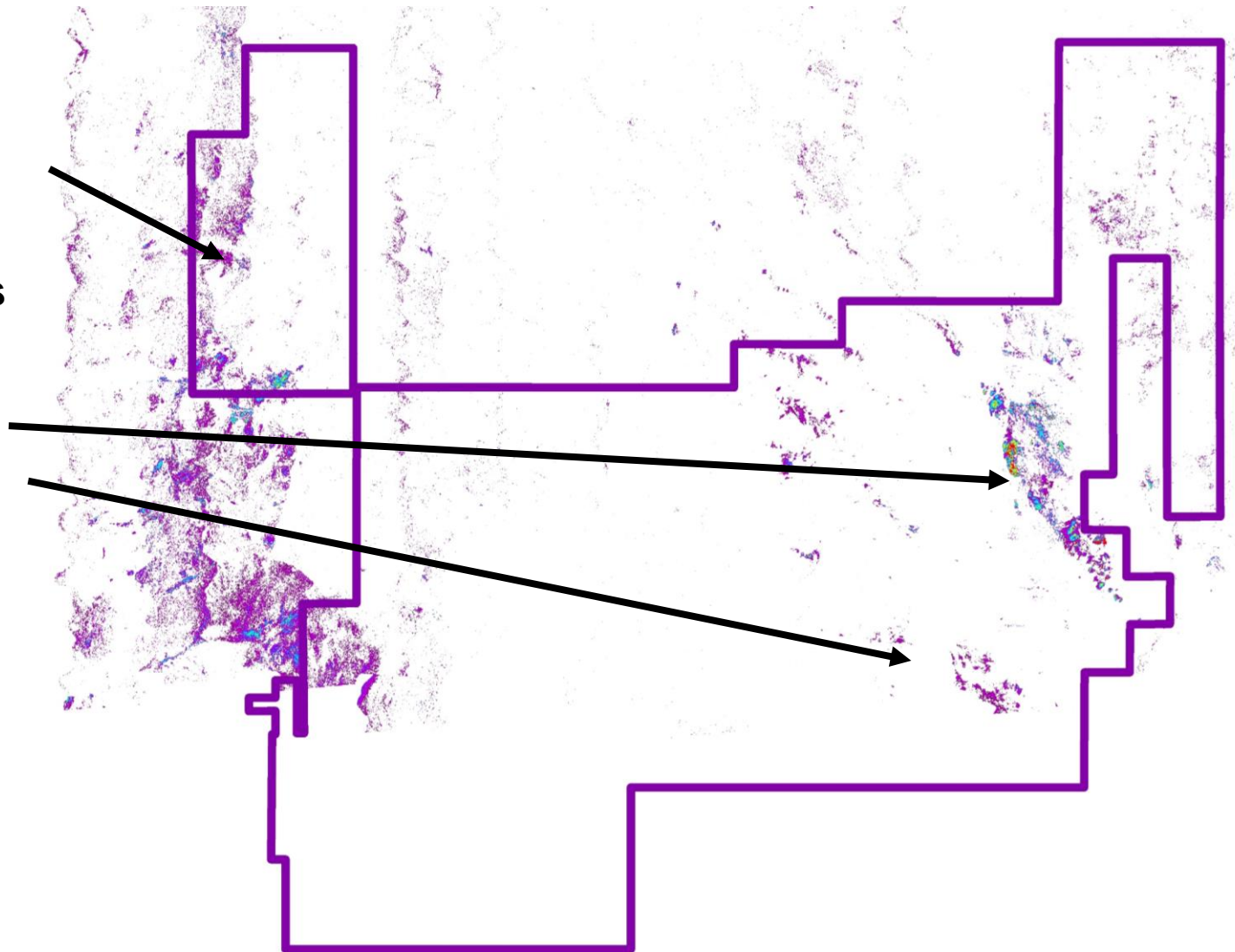
- ✓ Hyperspectral Data Reprocessing
- ✓ Staking Total 442 claims (37 sq km or 14.25 sq miles)
- ✓ Prospecting and sampling
- ✓ Grid soil geochemistry survey
- ✓ Geologic mapping
- ✓ X-Ray Diffraction analysis
- ✓ tTEM geophysical survey covering 38.4 line-kilometers
- ✓ Drill permitting

Strong Results:

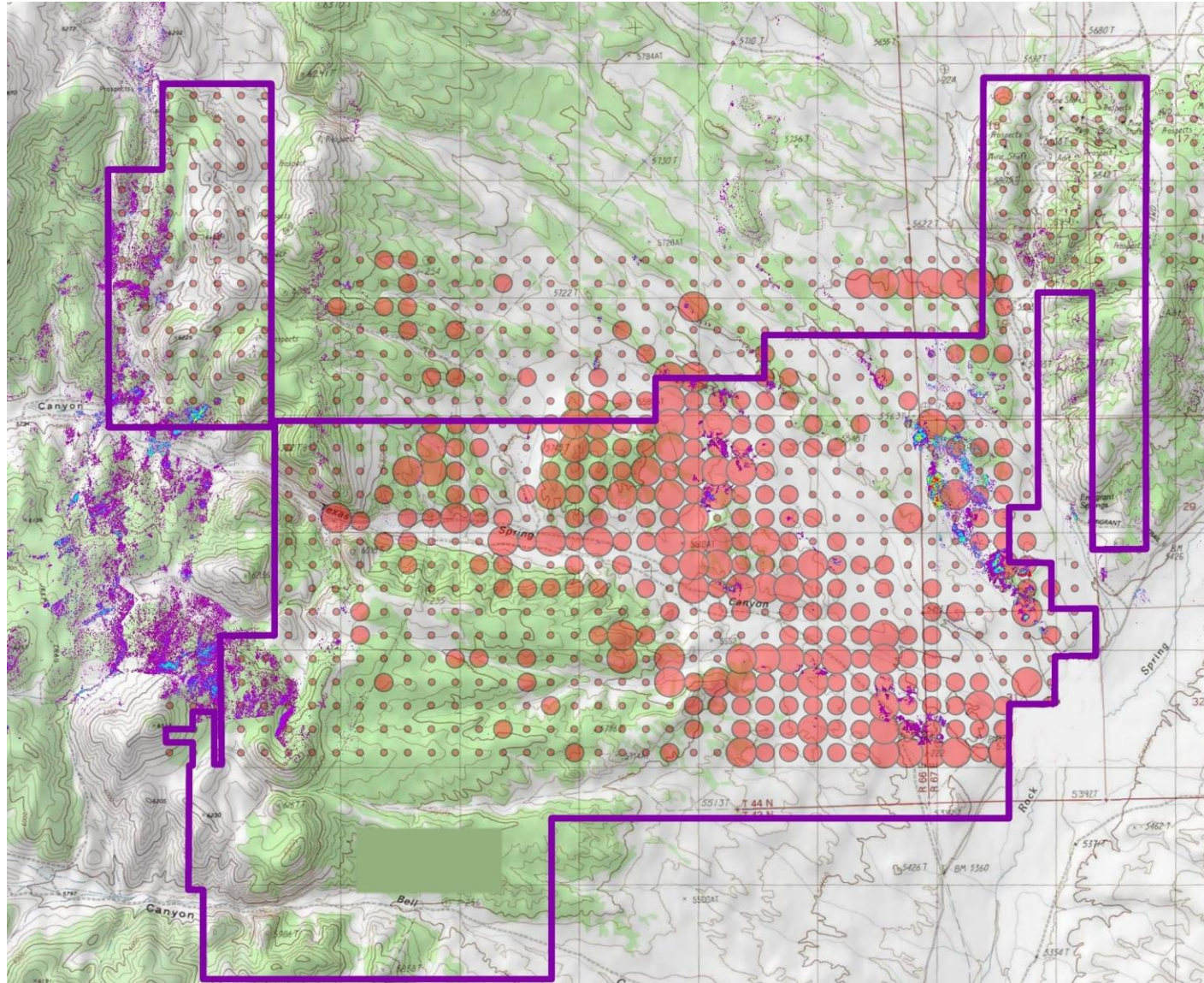
- Hyperspectral data shows clay bearing layers extend across the entire property
- Soil geochemistry shows an elevated lithium anomaly (18+ times background) covering over 25 square kilometers
- Geologic mapping confirms NELP is within an alkaline paleolake (historic lake) basin, within a structural graben bounded by northerly-striking normal faults.
- X-Ray Diffraction analysis shows NELP is within bedded alkaline lake sediments and volcanoclastic rocks, similar to the Surge geologic environment. The mineralogy of the bedded volcanic rocks is consistent with magmas which are likely sources of the lithium.
- tTEM surface geophysics shows an underlying layer, interpreted as clay-rich, across the entire property


Hyperspectral UV Data Shows Near Surface Clay Layer Outcropping Across Peloton Property

Pixels represent
outcrops of a
near surface clay
layer identified as
smectite,
hectorite, illite



Soil Geochemistry Shows Elevated Lithium Anomaly Over Approx. 25 sq km (9.65 sq miles)

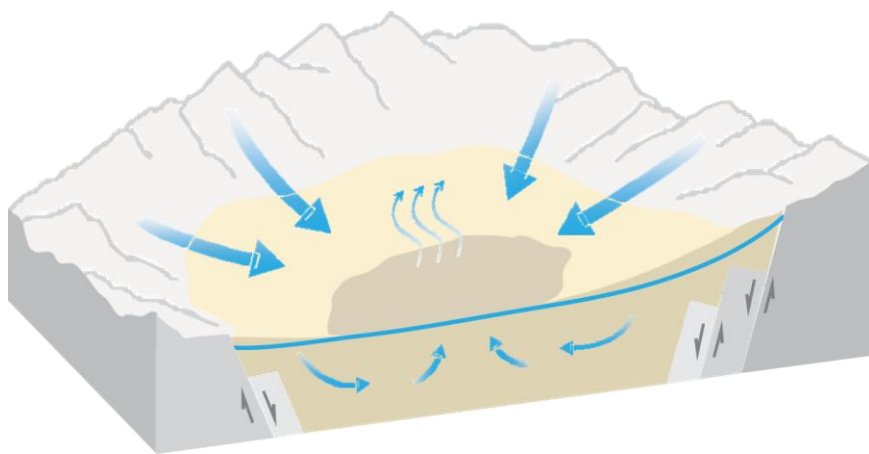


Legend:
 50 to 370 ppm Li

Background Lithium
is 20 ppm

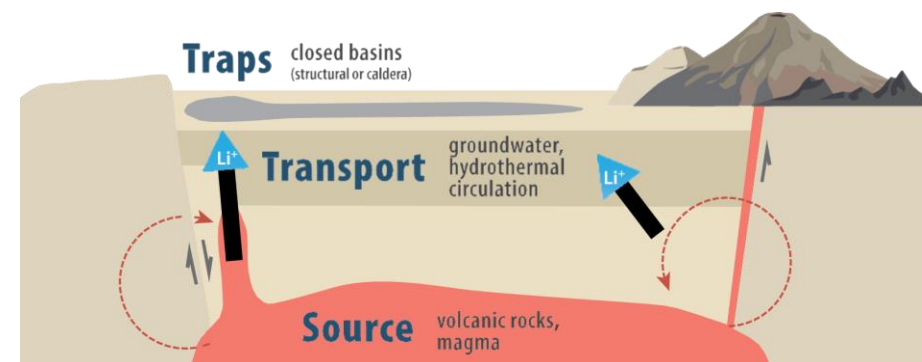
X-Ray Diffraction Analysis Identifies Two Categories of Lithium Minerals & Enrichment*

Lithium Bearing Alteration Minerals (hectorite, illite, others)



Highly alkaline (high pH) hot water circulates within the basin and leaches lithium from the volcaniclastic rocks lithium-bearing alteration minerals.

Primary Lithium Magma Minerals (alkaline rhyolites & melts)



Primary lithium-bearing magma extrudes into the closed basin or lake and hydrothermal circulation helps to enrich the basin bed with lithium.

* Over 500 samples from NELP were analyzed by Capps Geoscience Ltd. using XRD, identifying the presence of 129 different mineral types to date

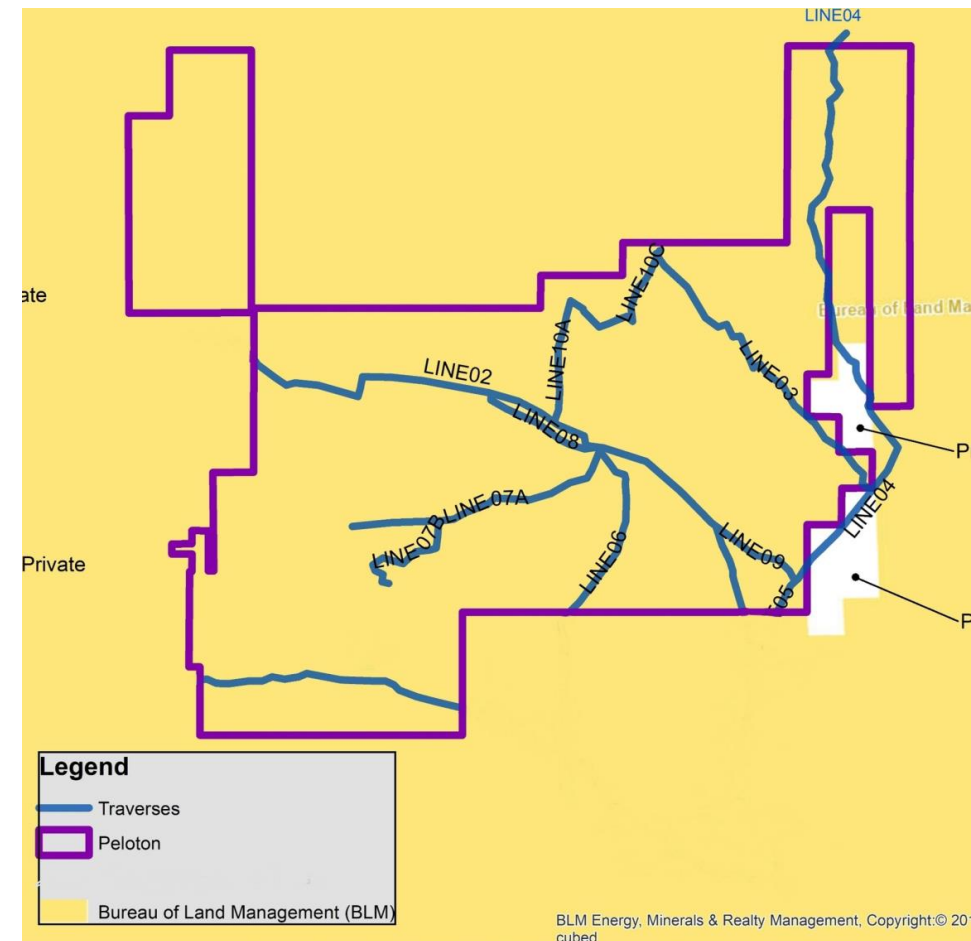
tTEM Geophysical Survey

Used successfully by Surge to target clay layers buried by upper stratigraphy

The tTEM unit is towed behind an ATV or truck and reads straight down to a depth of about 300 feet



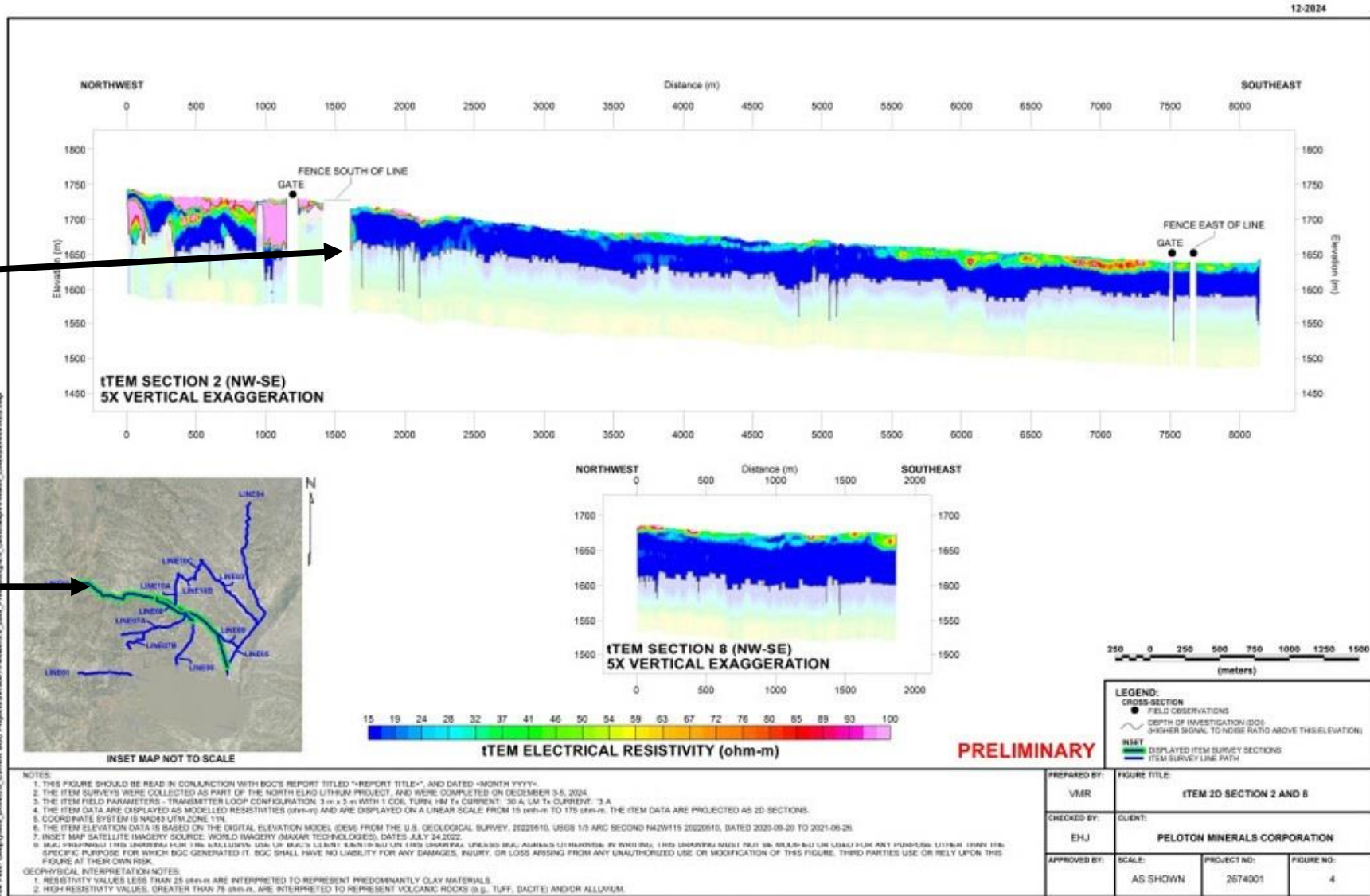
Blue lines are the roads surveyed with tTEM
All roads showed an underlying layer interpreted as clay



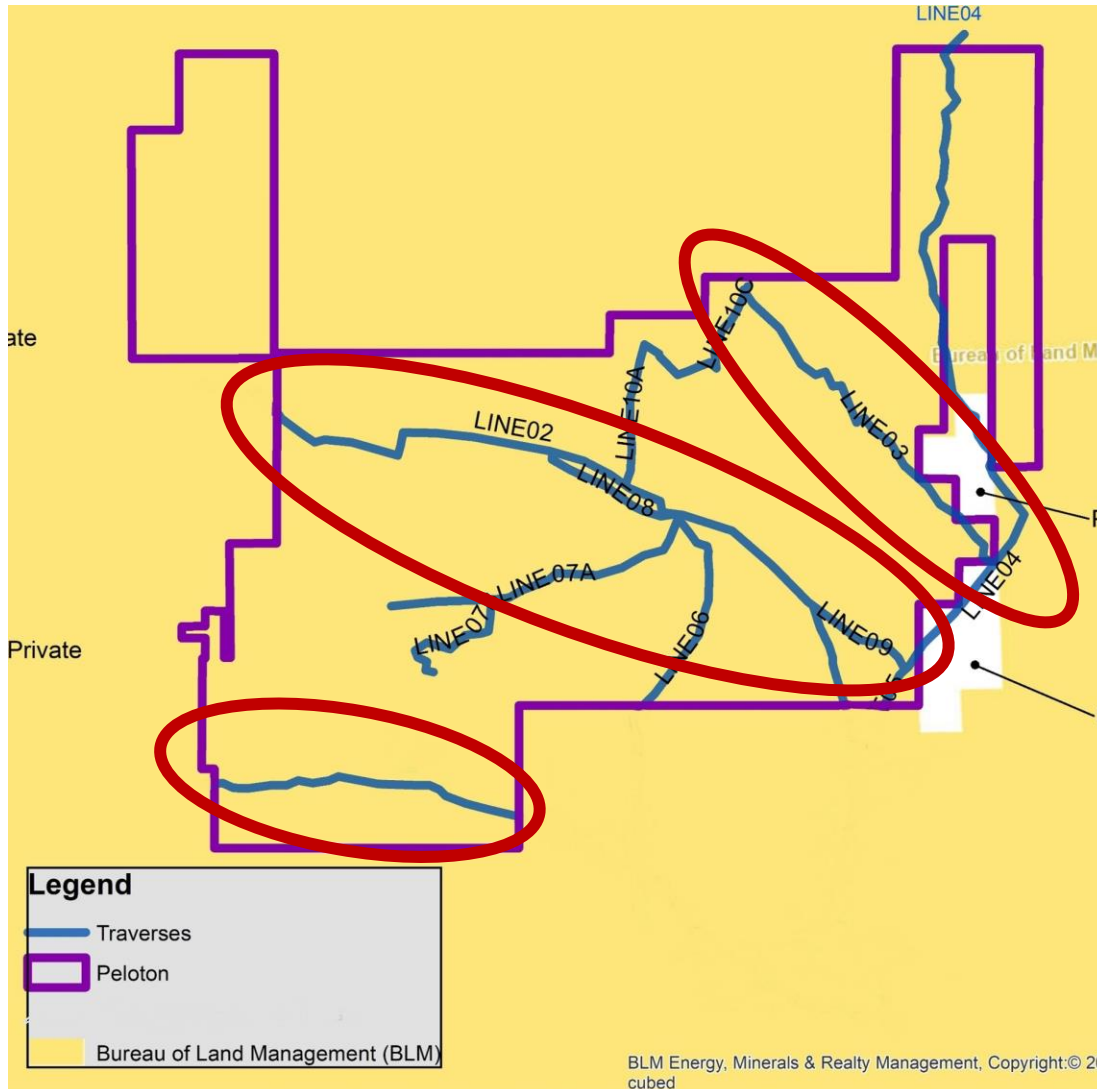
tTEM Cross Section of the Texas Springs Canyon Road Shows Near Surface Layer Interpreted as Clay (Blue) Through the Heart of the Property over 7 km (4.4 miles) Strike Length

Cross Section of the Surveyed Road

Location of the Surveyed Road Highlighted in Green



Drilling Permits Are In Place

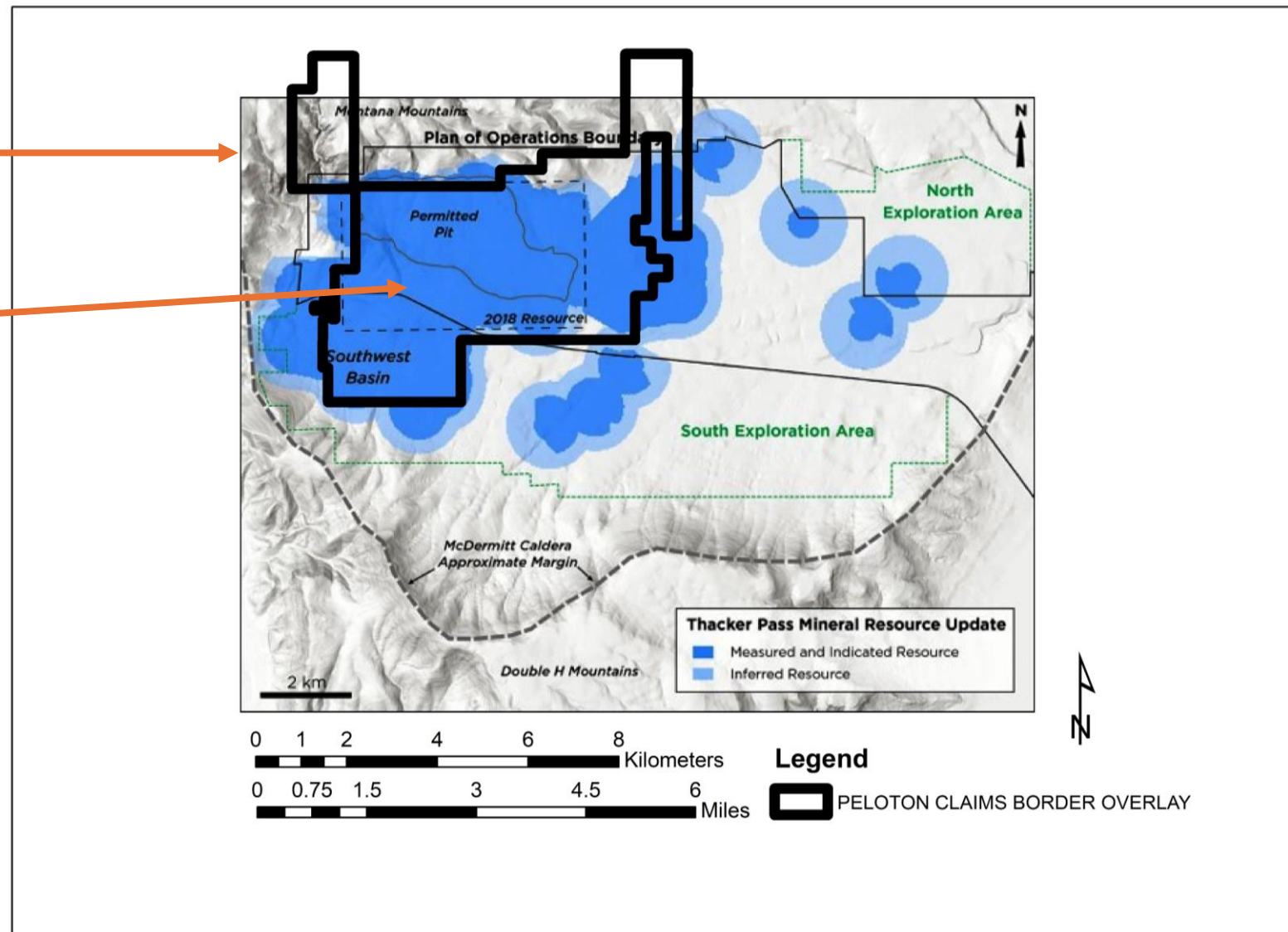


- Drilling will be within the red circles
- Drilling will be along the roads (blue lines) every 500 meters
- 24 Drill pads approved initially
- Additional pads can be added

The Thacker Pass (LAC) Mineral Resource Footprint with the Peloton Claim Outline Superimposed Over the LAC Resource

Peloton Claim Outline
(in Black)

Thacker Pass (LAC)
Resource
(in Blue)



Corporate Inquiries

Edward (Ted) Ellwood

President & CEO

T: 519-697-2313

Tedellwood@gmail.com

Investment Banker / Advisors:

IBK Capital Corp.

Michael White

President & CEO

T: 416-727-4100

mikewhite@ibkcapital.com

Bayline Capital Partners

Aaron Unger

Partner

T: 416-818-0050

aunger@baylinecapitalpartners.com

Paul Teodorovici

VP Business Development

T: 514-582-2282

Paul.Teodorovici@gmail.com

Auditor:

RSM, Chartered Accountants

T: (416) 480-0160

Legal:

Borden Ladner Gervais LLP

T: (403) 232-9455

Appendix

Detailed Technical Information Available At
www.pelotonminerals.com

Board of Directors and Management

*200 years of combined experience playing respective roles
in resource exploration, discovery and development*

John F. O'Donnell, BA (Economics), LLB, Chairman of the Board

Edward (Ted) L. Ellwood, MBA, President & CEO, Director

Eric Plexman, CFO & Corporate Secretary, Director

Paul Teodorovici, VP Business Development, Director

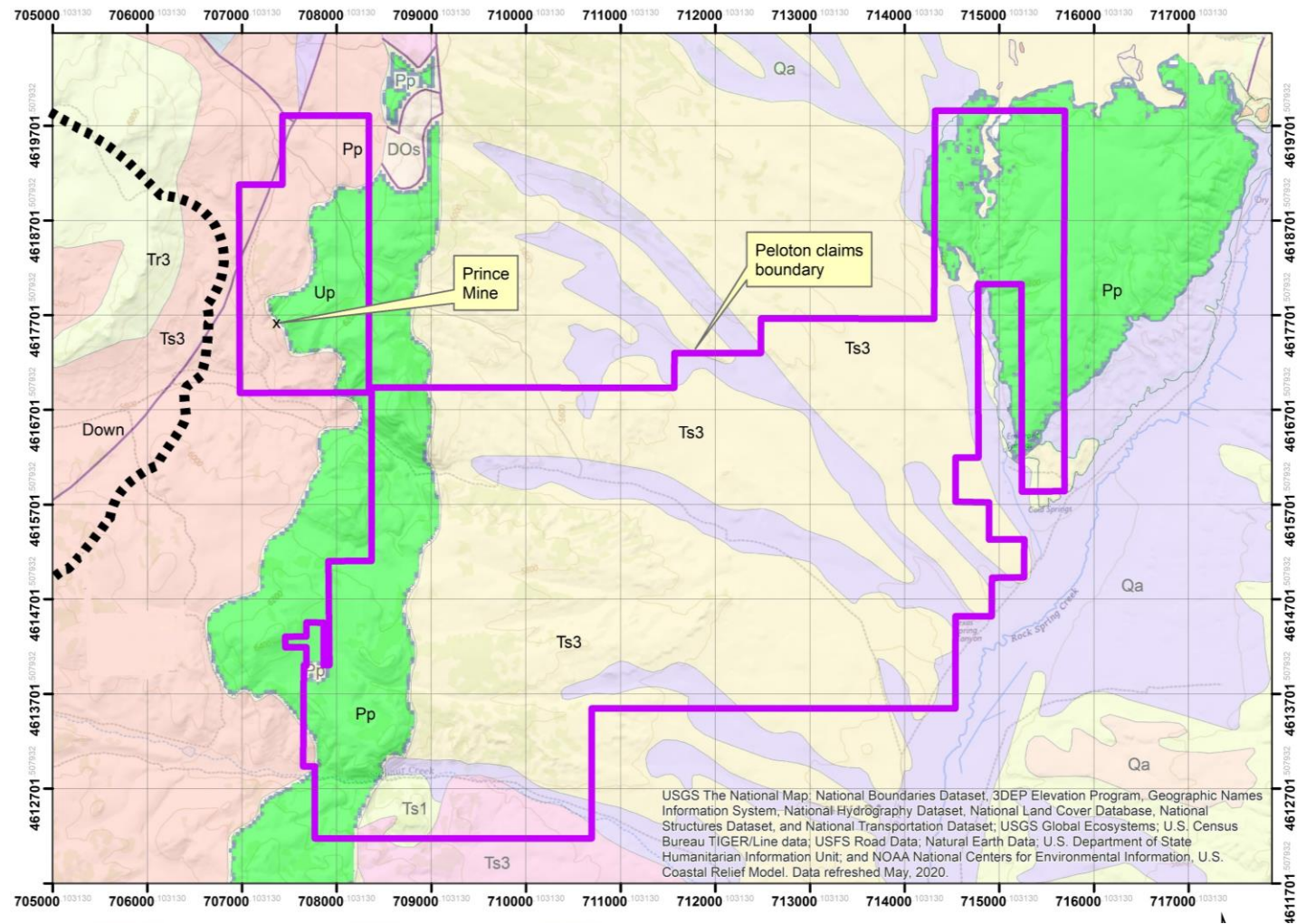
Richard C. Capps, PhD, RPG, SME Reg. Geo., Senior Geologist, Director

Kent Britton, BA (Economics), Environmental, Director

Clifford Wiebe, Information Technology, Director

** Refer to Pelotonminerals.com for biographies*

Geologic Mapping Shows* Prospective Area Bounded by Slip Faults on the East and West



Qa	Quaternary alluvium
Tr3	Phenorhyolite & phenoclastic flows & domes
Ts3	Sedimentary and volcanic rocks
Tjr	Jarbidge Rhyolite
Tts	Ignimbrite, tuff, & sedimentary rocks
Pp	Pequop Fm
DOs	Slaven Chert

* Compilation:

- Elko County Digital Geology Map
- Nevada Bureau of Mines and Geology
- Peloton Geologic Mapping

Surge Drill Hole Locations

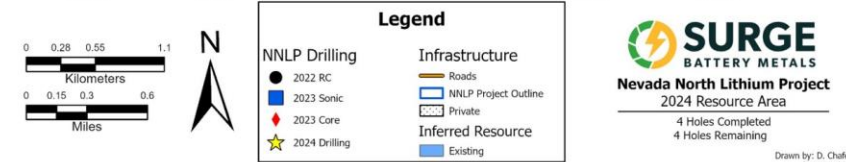
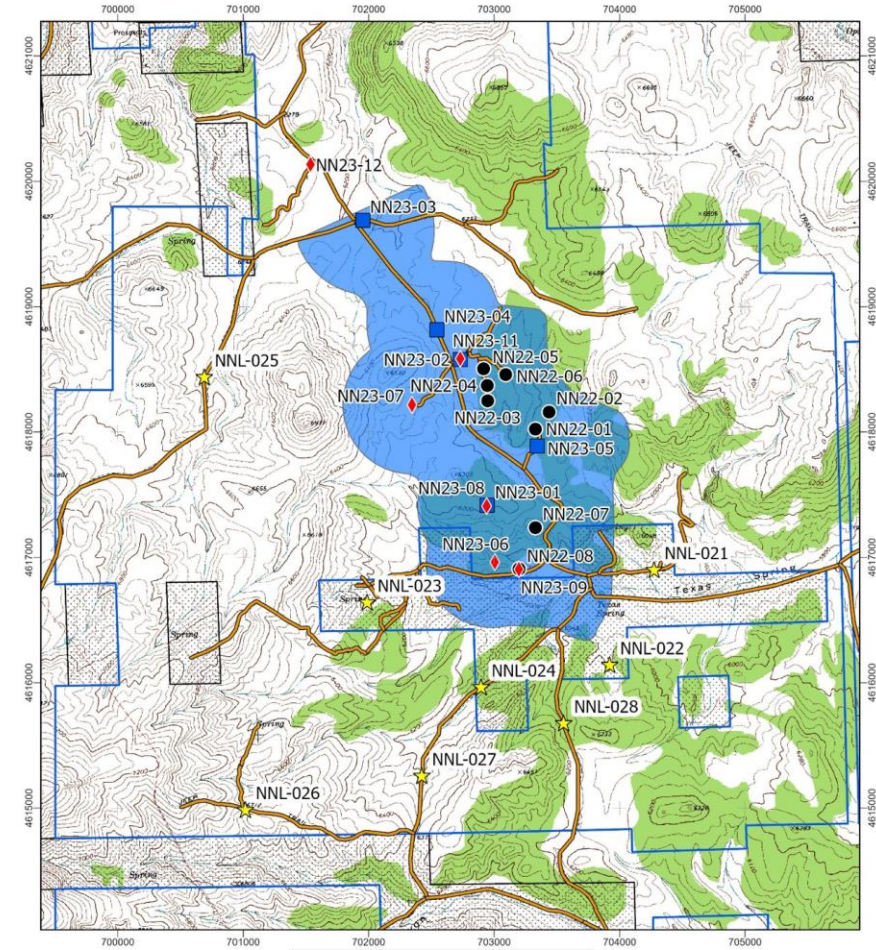


16 Holes to Achieve Maiden Resource

22 Holes to Date

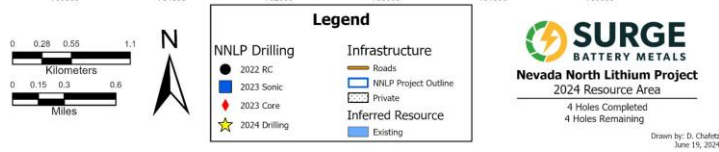
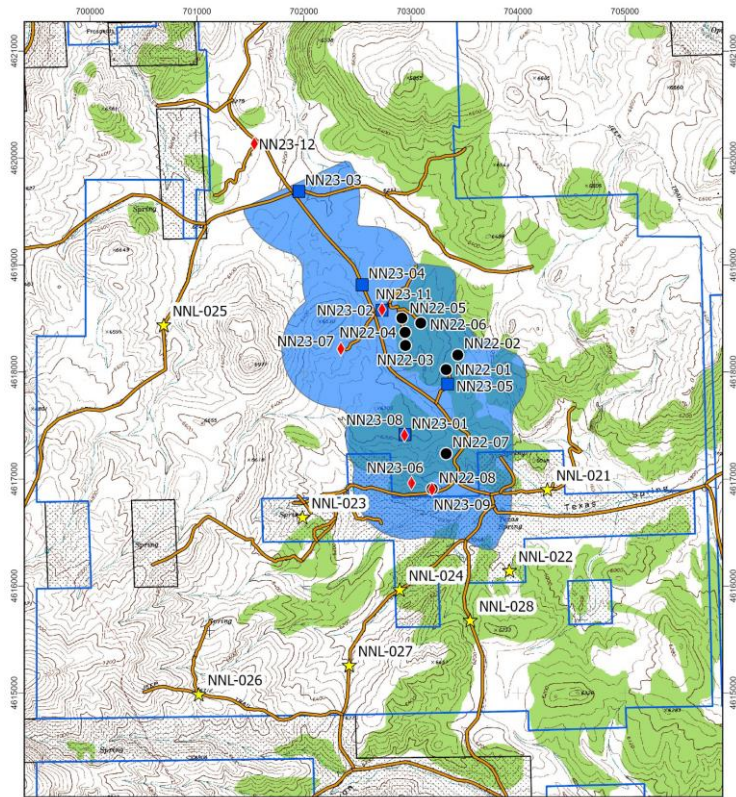
11.24 MT LCE Inferred at 3,010 Li

**Discovery costs <C\$2 per tonne LCE
and <2 years from discovery to maiden
resource**

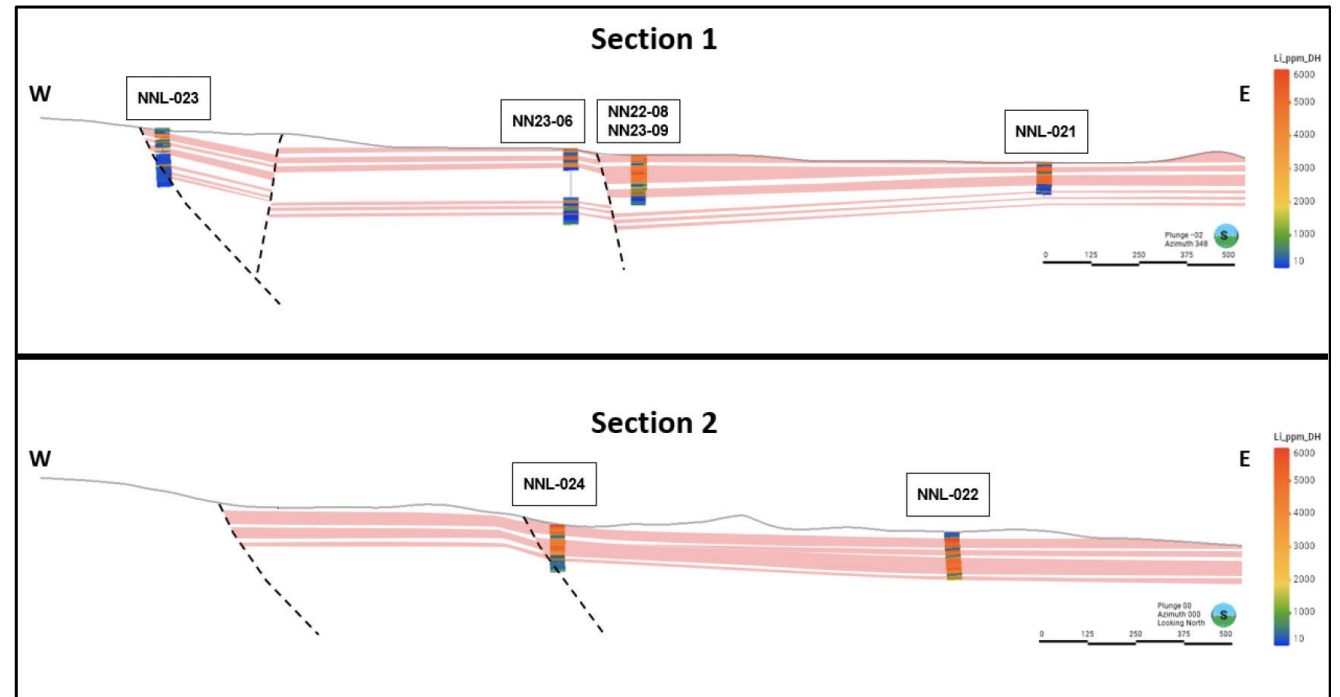


Surge Drill Hole Locations & West-East Cross Sections Published July 2024

Surge Drill Holes 2022-24 Closed to the West – Open to the East



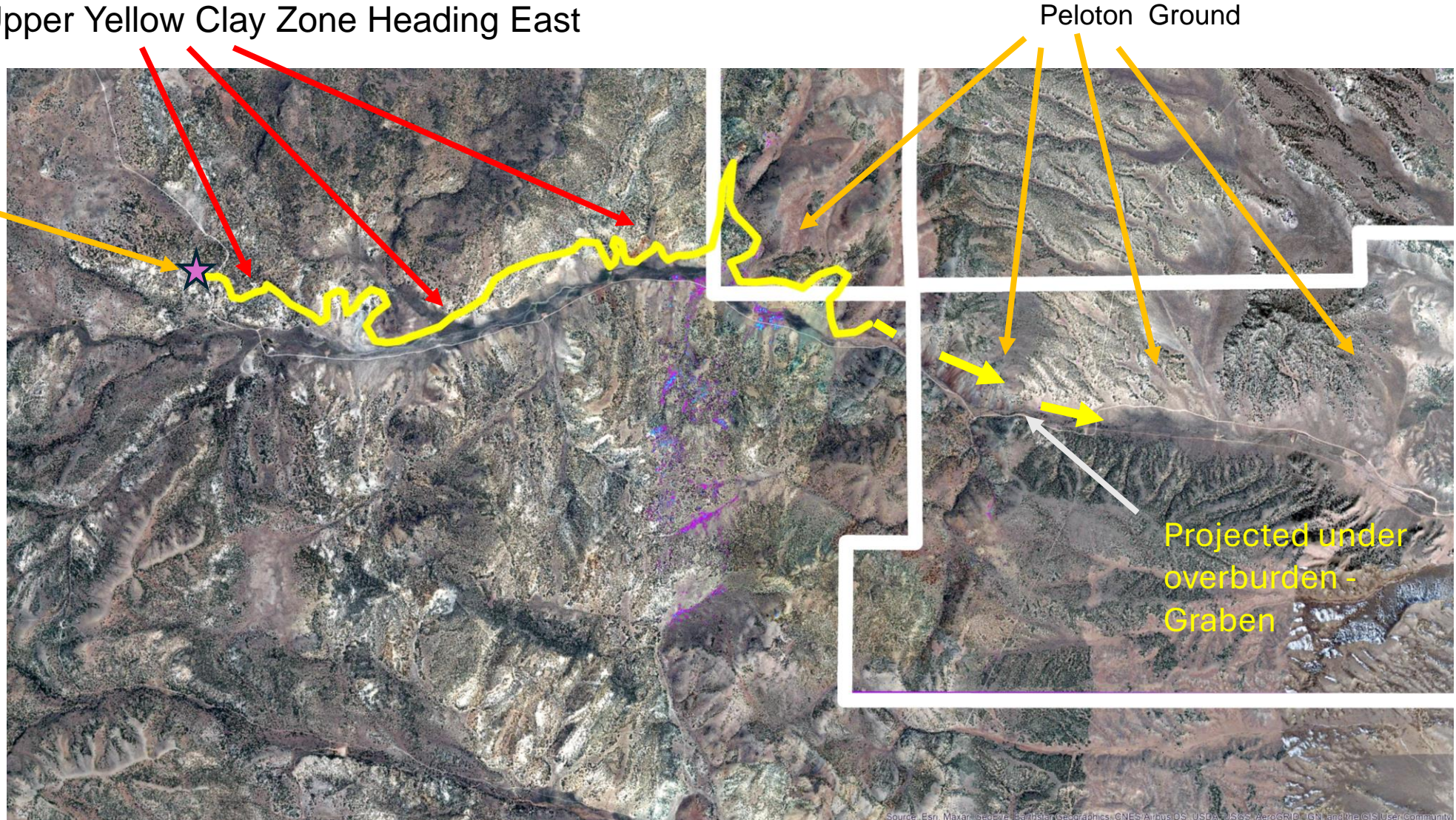
Surge West-East Cross Sections Show Lithium Clay Layers Striking East Toward Peloton to Within 1 Mile of the Surge/Peloton Claim Boundary



Google Earth shows Surge's Upper Yellow Clay Zone continuing from the most easterly Surge Drill Hole NNL-021 toward and onto NELP

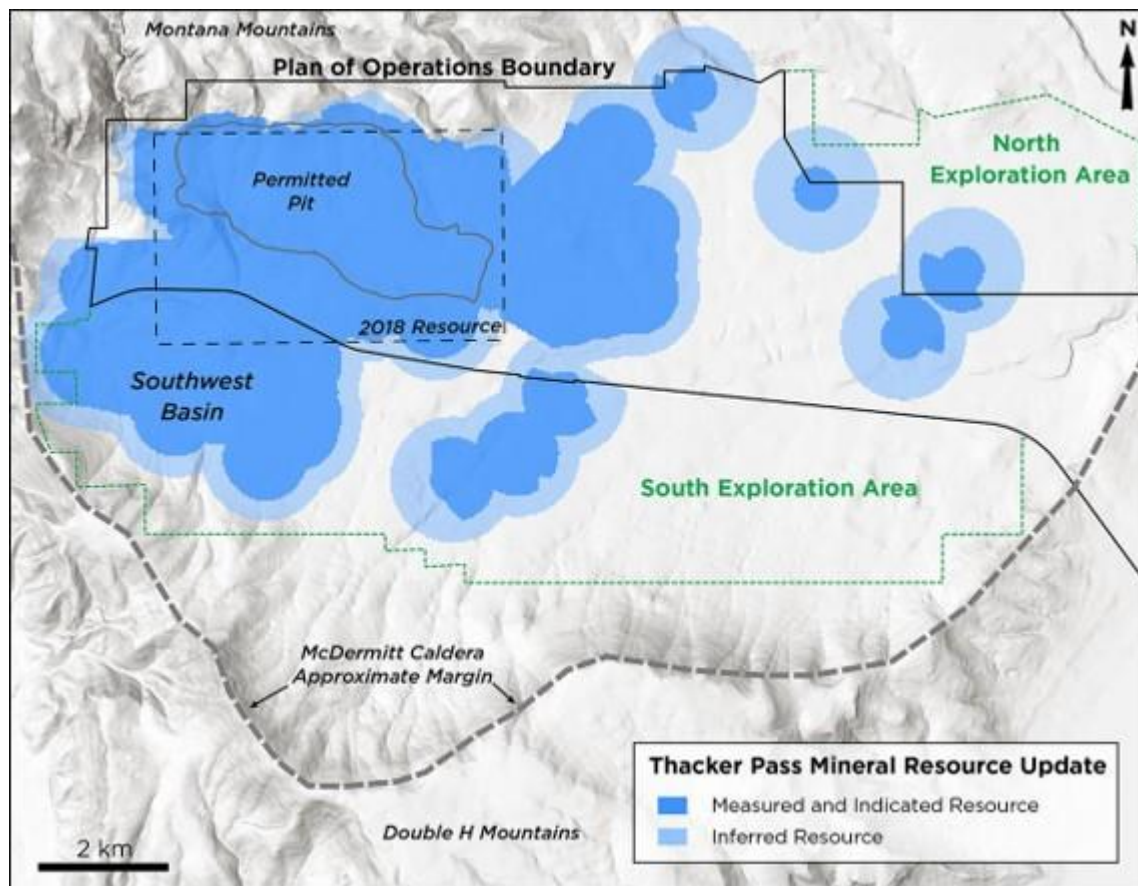
Trace of Surge Upper Yellow Clay Zone Heading East

Surge Ground & location of Hole NNL-021 nearest to Peloton



Thacker Pass Lithium Americas Overview

Thacker Pass Mineral Resource Model (Lithium in Smectite and Illitic Clays)



Thacker Pass Updated Feasibility Highlights* December 2024 – (\$ US Dollars)

Proven & Probable	Measured & Indicated
14.5 Mt LCE at 2,230 ppm Li	44.3 Mt LCE at 2,540 ppm Li

Mine Life -	85 years
Mining & Process -	Open Pit, Acid Leach
Metallurgical Recovery -	82.1 %
Development Cap-X Phase 1 of 5	\$2.93 B
Nominal Capacity	160,000 t/LCE p/Year
End Product -	Lithium Carbonate
Lithium Carbonate Pricing Forecast -	\$24,000 p/t LCE
Average Operating Cost Forecast -	\$6,238 p/t LCE
Average Annual EBITDA -	\$2.2 B
After Tax NPV at 8% Discount Rate -	\$5.9 B
After Tax IRR -	19.6%
Payback (undiscounted) -	5.4 years

Thacker Pass Process Flow Chart (Lithium in Smectite and Illitic Clays)

