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INVESTING IN THE US BATTERY SUPPLY CHAIN

May 2023

BRADDA HEAD
— LITHIUM —

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Bradda Head Lithium

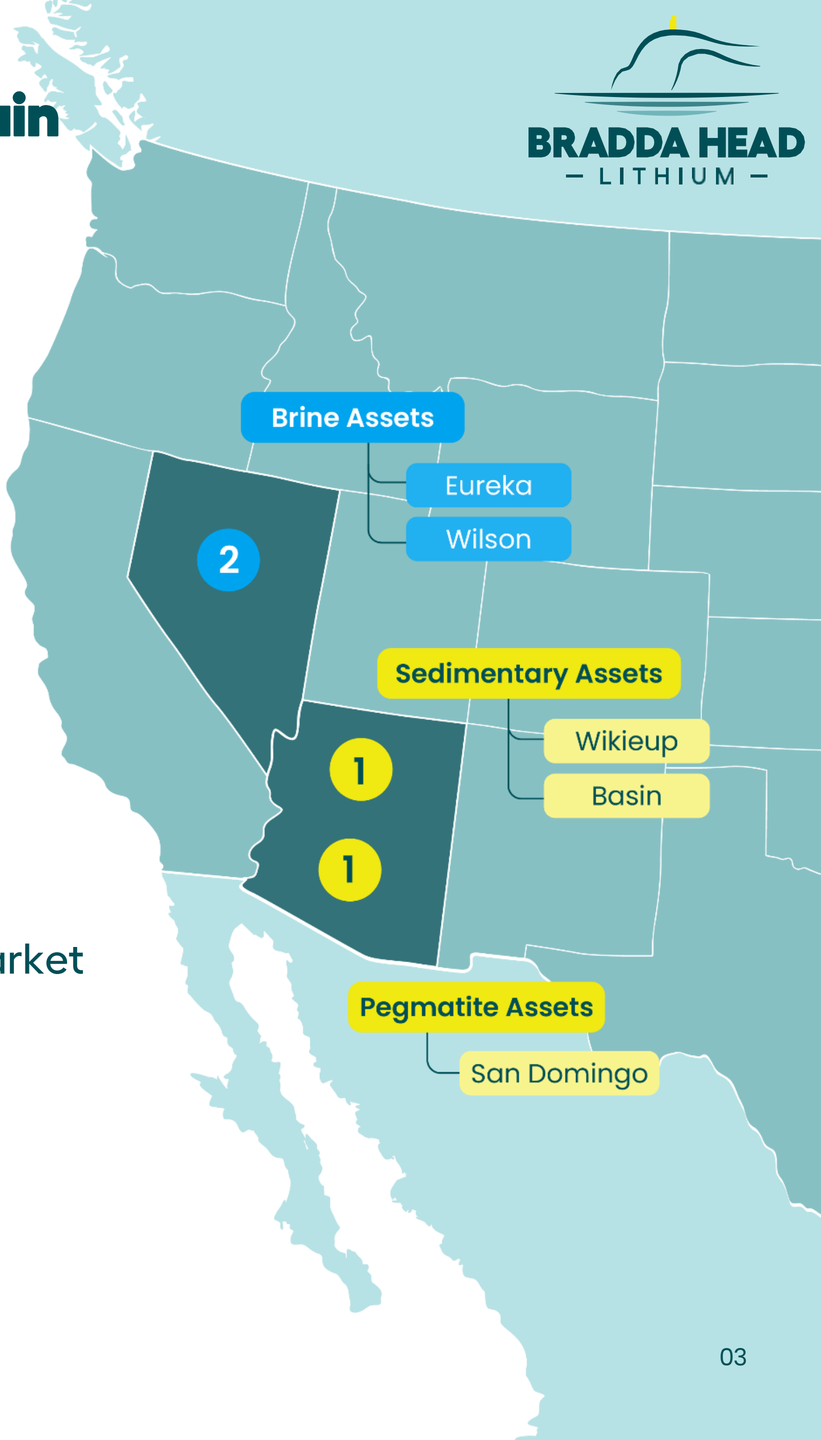
Developing Lithium Projects in the US

Now is the Time to Invest in the US Battery Supply Chain

- A unique lithium explorer with exposure across all three main recognised lithium deposit types; pegmatite, brine and sedimentary. Listed in the UK, US and Canada.
- All projects 100% owned and are located in close proximity to infrastructure and end users - distinct advantage over competitors and helping to fill the low carbon lithium supply gap for US domestic users.
- Strategically located assets ideally situated in the thick of the Western US developing Battery chain hub
- As of the end of March 2023 we had just under US$7m in the treasury with a further US$5.5m due from the royalty we signed in December 2021 covering our sedimentary claims.

Strategy: Developing critical US lithium projects to supply the domestic market

1 Focus on lithium	2 Unlock value	3 Extensive experience
Focus on assets in Arizona, to develop net-zero carbon footprint lithium assets in the US	Unlock value from its portfolio of Lithium projects, including its prospective brine projects in Nevada and Oilfield brine projects in Texas and Pennsylvania	Use its extensive experience to find new Lithium projects, and increase its existing portfolio through continued claim staking and M&A within the US



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Note: (1) US$8m from royalty, and US$2.5m from exclusive private placement.

Bradda Head - Right Time, Right Place

Investment Case

Tier One Political Location

Nevada and Arizona are low risk jurisdictions - ranked #1 and #7 by the Fraser Institute Survey of Mining Companies 2022

Right Time, Right Place

Significant lithium supply deficits are forecast and the US is investing US$135bn into developing its critical minerals supply chain[1]

First-rate Local and Regional Infrastructure

Assets all located in Nevada, and Arizona, close to highways and transport links to Gigafactory's and developing US battery supply chain

Primary Assets in Historic/ Active Mining Areas

Pegmatite assets located on historic mines and clay assets have active mines adjacent – Not greenfield sites, potential to help with mine permitting process

ESG Driven Growth

Implementing community initiatives and low-carbon footprint projects is at the core of our development

Split Geological Risk

Bradda has three types of lithium assets; pegmatites, clays and brines.

"Developing our primary lithium growth assets in a Tier One jurisdiction with the highest ESG standards"

Charles FitzRoy
CEO

Source: (1) www.whitehouse.gov

Capital Structure

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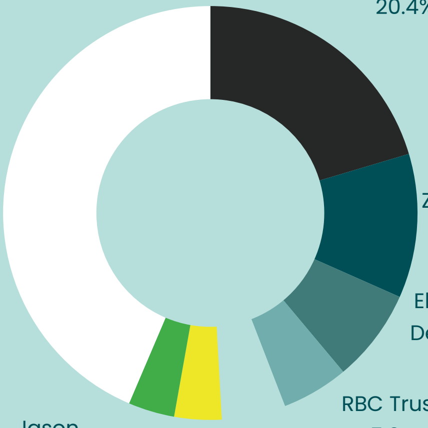
Strong Cash Position

$6.6m (£.5.4m) cash as of end of March[2]

20%
held by the Board and Management



390,609,439 shares in issue[3]

Note: (2) GBP-USD exchange rate of 1.21282. (3) Undiluted basis. On a FDITM basis, count is 415,227,621 as of 25/4/2023.

Experienced Team Driving Growth

Management, Board and Advisory Team

Ian Stalker
Non-Executive Chairman

Charles FitzRoy
CEO

Denham Eke
Finance Director

Joey Wilkins
COO

ESG

Adam Hawkins, MBA
ESG Consultant

TECHNICAL

Don Hains, P.Geo, MBA
Technical Consultant

Dr Yatendra Sharma
BSc Hons, MSc, PhD, CChem, MRACI, MAusIMM
Lithium Processing Consultant

Jim Mellon
Non-Executive Director

Euan Jenkins
Independent NED

Alex Borrelli
Independent NED

Plus a 15 strong operational team on the ground in the US driving project growth

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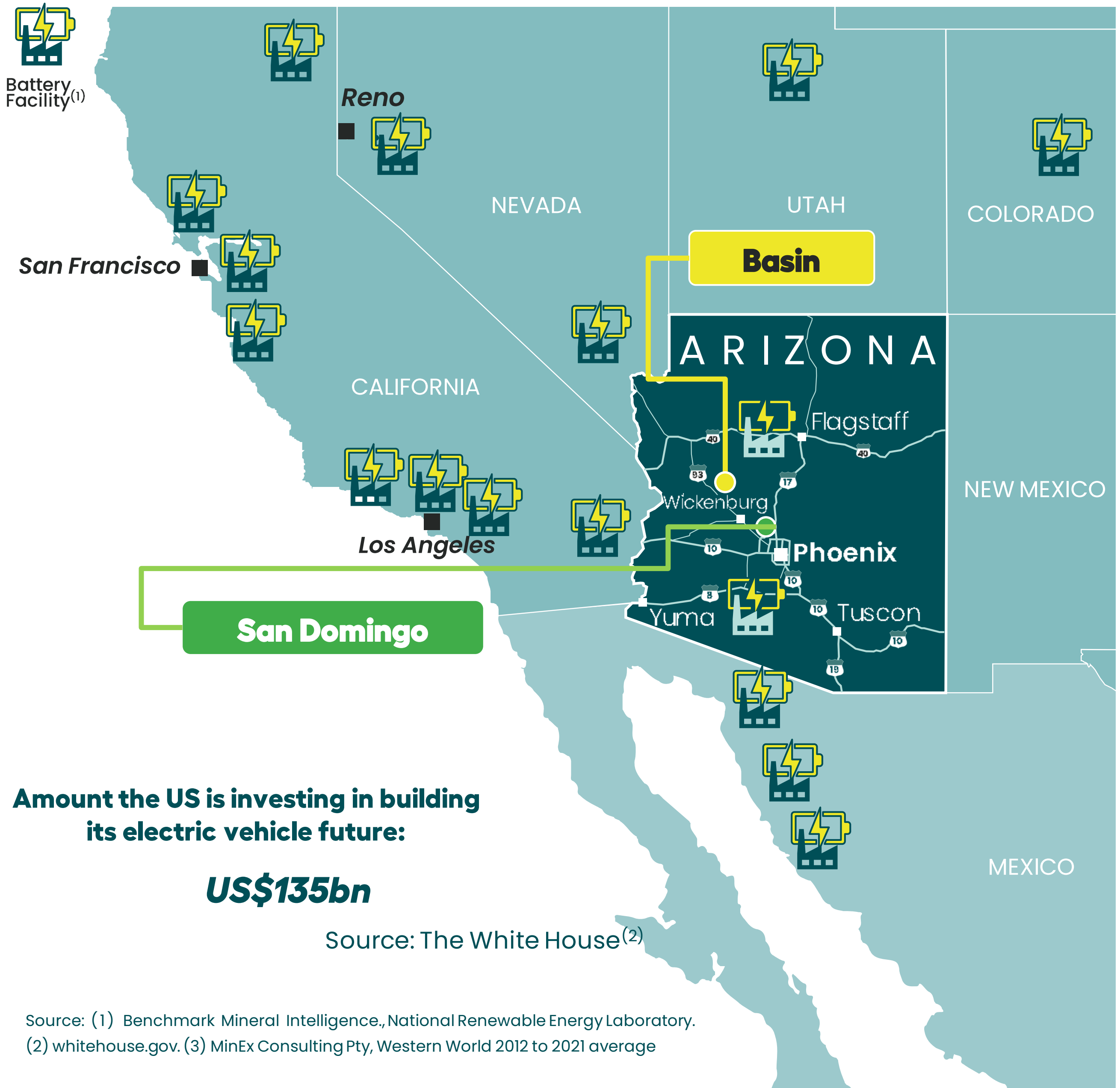
Primary Lithium Growth with Flagship Pegmatite & Clay Assets in Arizona



Amount the US is investing in building its electric vehicle future:

US$135bn

Source: The White House(2)

Flagship Clay Asset

Name: Basin

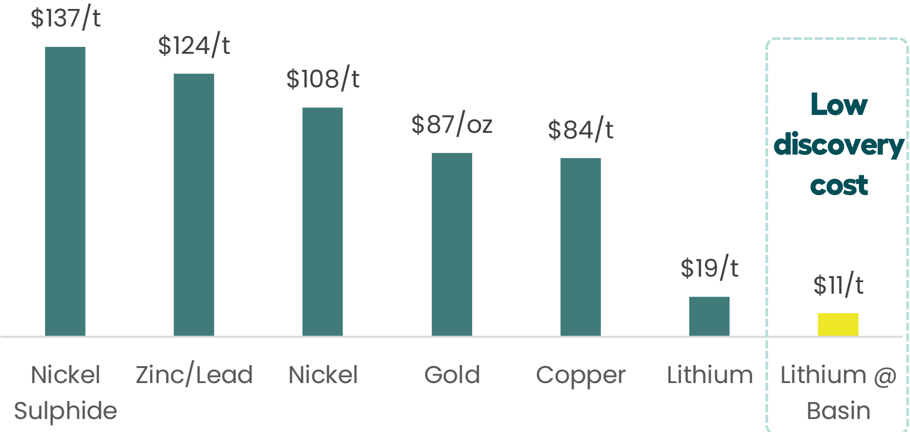
Stage: Resource development

2023 Activity: Drilling ongoing, resource expansion expected in Q3 2023

Background: Basin is adjacent to two currently active mines

Resource: 371kt LCE covering only 7% of $17km^2$ project. Further resource expansion expected in 2023. Low discovery cost.

Discovery Cost Comparison per t or oz Discovered(3)



Flagship Pegmatite Asset

Name: San Domingo

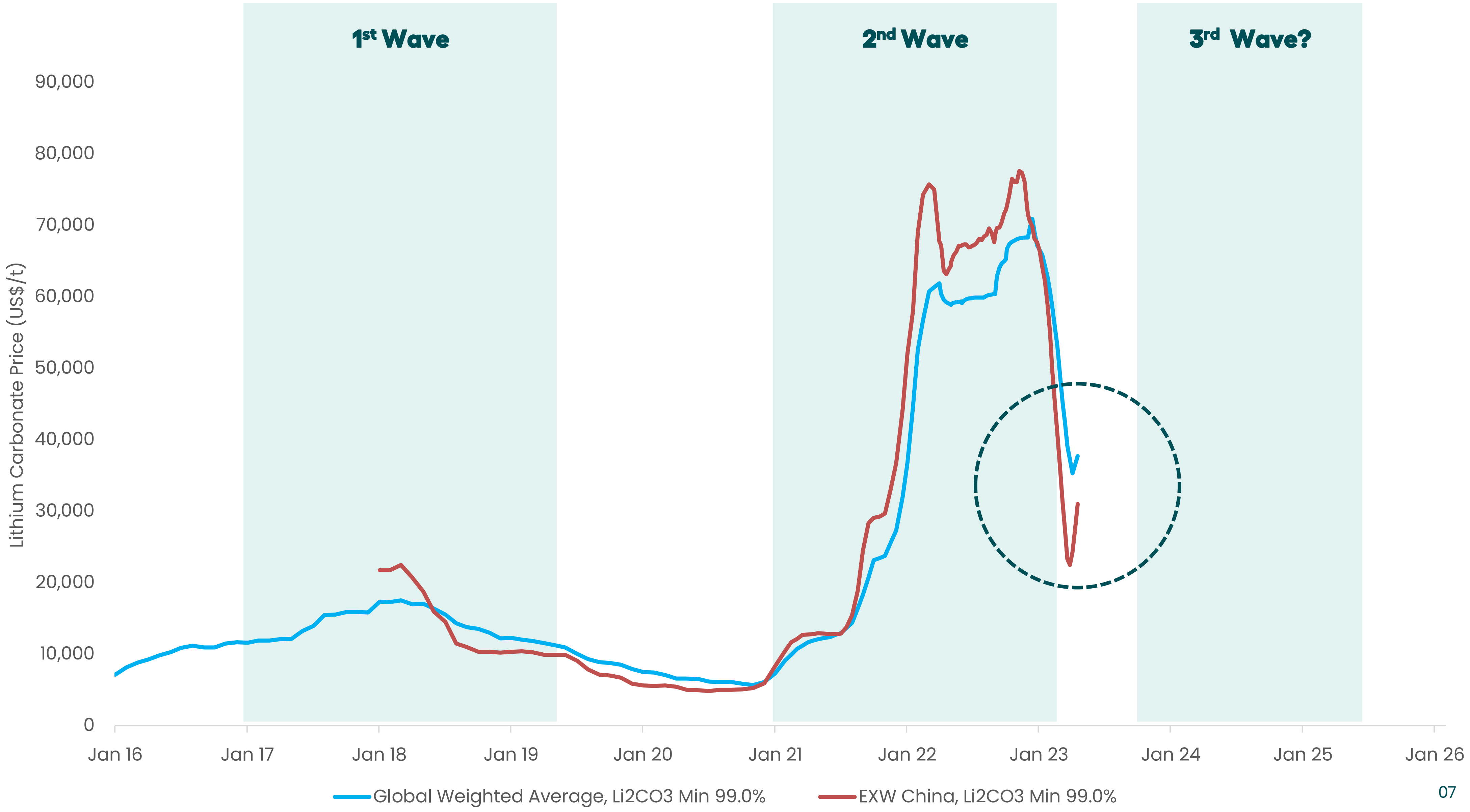
Stage: Drilling

2023 Activity: Follow-up drill programme planned for H2 2023

Background: Adjacent to a currently active mine and multiple historic lithium mines

Source: (1) Benchmark Mineral Intelligence., National Renewable Energy Laboratory. (2) whitehouse.gov. (3) MinEx Consulting Pty, Western World 2012 to 2021 average

Lithium Price on the Rise Again After Drop in China Spot Price



Source: Benchmark Mineral Intelligence

Market Backdrop
Third Wave

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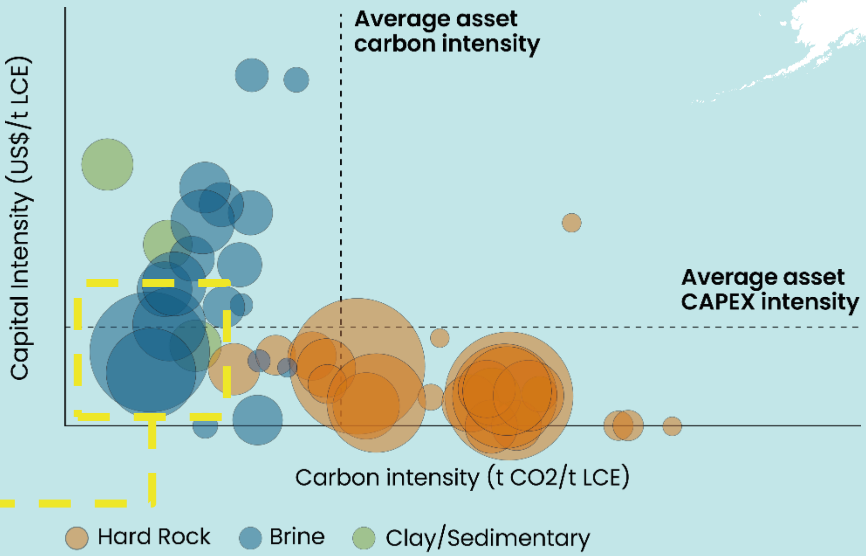
Developing US Produced Low Carbon Footprint Lithium

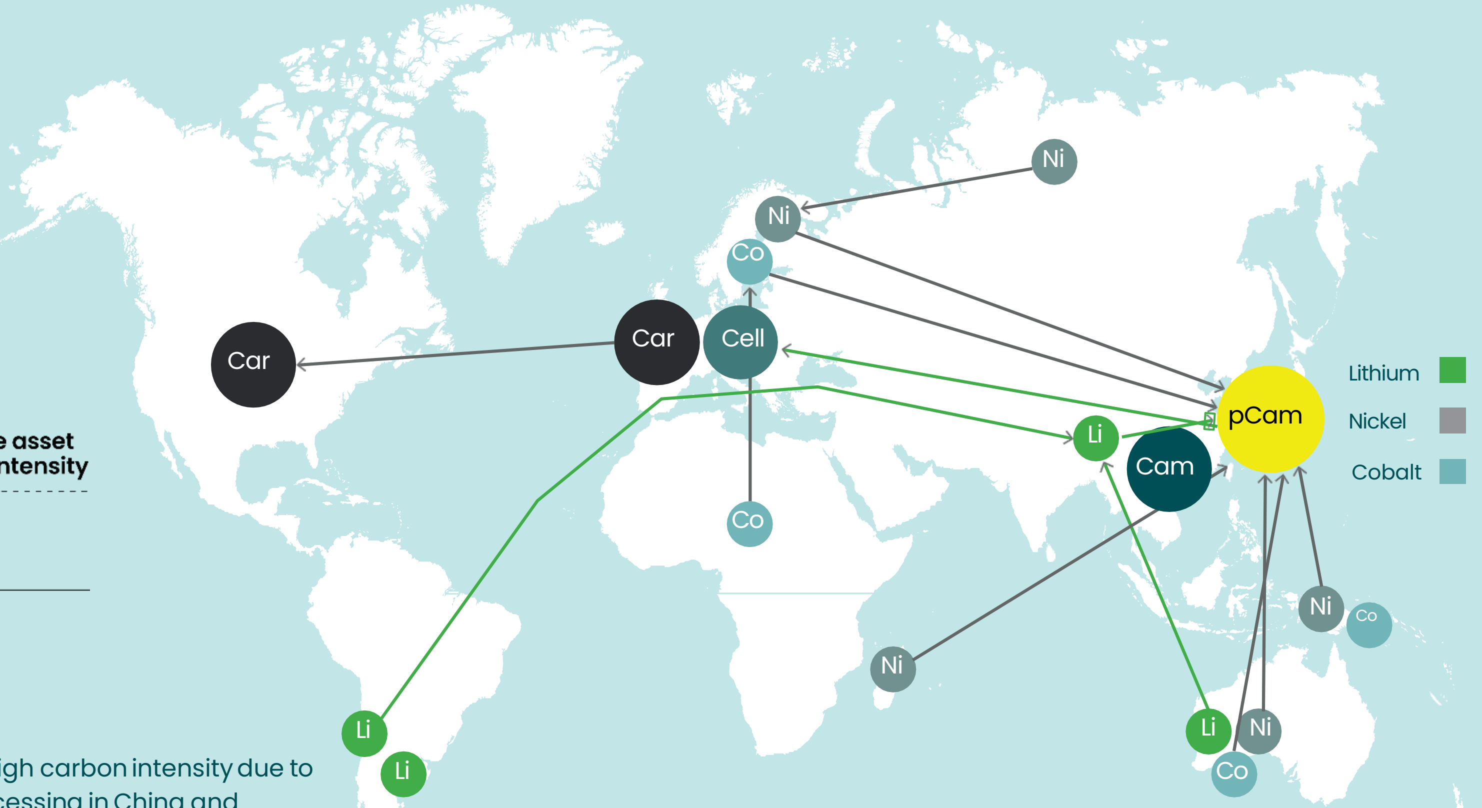
$152bn of ESG funds flowed into Low Carbon investments over 2021

C Carbon intensity [1]

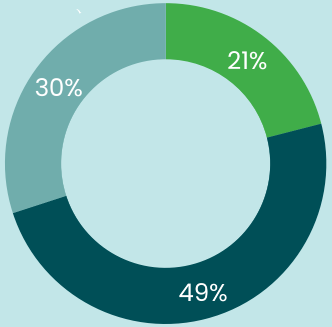


Bradda's assets would likely have a low Capital intensity and low carbon intensity[2] compared to the majority of future lithium projects[3] due to their favourable location

- Mineral/Pegmatites are in high carbon intensity due to mining in Australia and processing in China and shipping to end-users leading to large carbon footprint,
- Bradda's lithium production from pegmatite ore would have a low carbon footprint for US consumers and potentially be able to reduce Scope 2 and 3 emissions compared to existing operations in Australia



Lithium Hydroxide from spodumene



- Scope 1: Heat production
- Scope 2: Australian and Chinese electricity, the latter causing the biggest effect (main energy source: coal)
- Scope 3: Sodium hydroxide, natural gas, calcium carbonate, lithium product lorry transportation (Australian plus Chinese)

Source: Wood Mackenzie (Roskill), Benchmark Mineral Intelligence.

Note: (1) Bubble size represents future production in LCE 2025-2030. Emissions intensity is the CO2 emissions (from all sources) required to produce one tonne of refined lithium product. (2) For US consumers. (3) Assuming current processing routes and infrastructure

San Domingo Pegmatite District

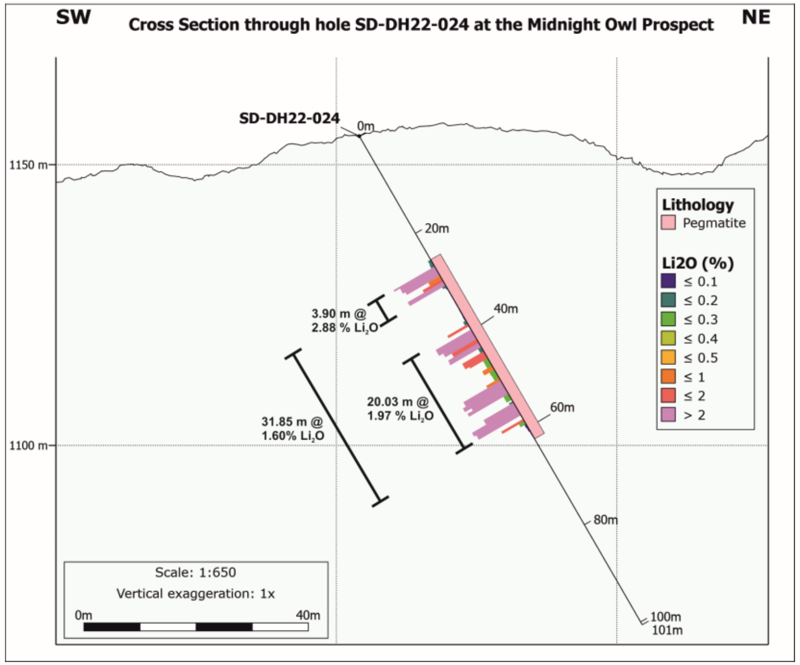
Arizona's Lithium Pegmatite District - Visible Spodumene Identified Across 9km Trend

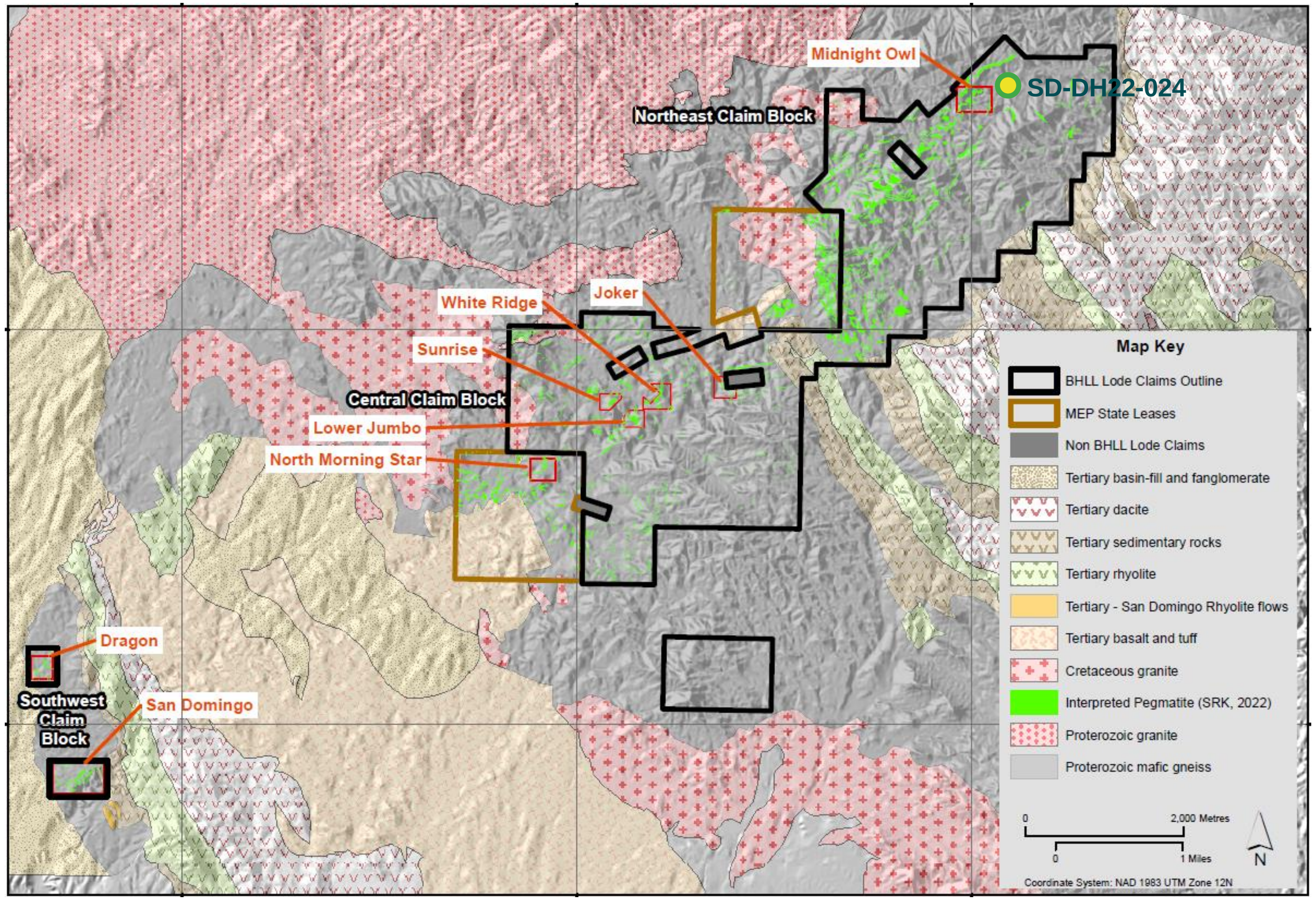
Dyke style lithium pegmatites seen at the surface up to c.60m in length, potentially overlying deeper sill-like structure hosting lithium bearing mineralised rock.

Bradda has completed an initial 7,300m drill program (c.100-300m deep holes) to test the hypothesis and so far has identified a 9km potentially mineralised trend.

Bradda commenced drilling in 2022 to test hypothesis of large feeder system below outcropping pegmatites. Bradda intercepted multiple pegmatites, cross-section below of best intercept to date. Visible spodumene identified.

Hole 24 Cross-section





Comparable assets

Kathleen Valley, Western Australia
- 1.7km strike, 600m depth
- Resource of 156Mt @ 1.4% Li20 and 130ppm Ta2O5

Bald Hill, Western Australia
- 1.2km strike, 775m width, 195m depth
- Resource of 26.5Mt @ 1.0% Li_2O
- and 149ppm Ta_2O_5

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San Domingo – Soil Sampling

Soil Sampling has Identified 9km LCT Style Pegmatite Trend

23km² lithium pegmatite district

6 historic lithium mines on our claims

10km from Highway 93

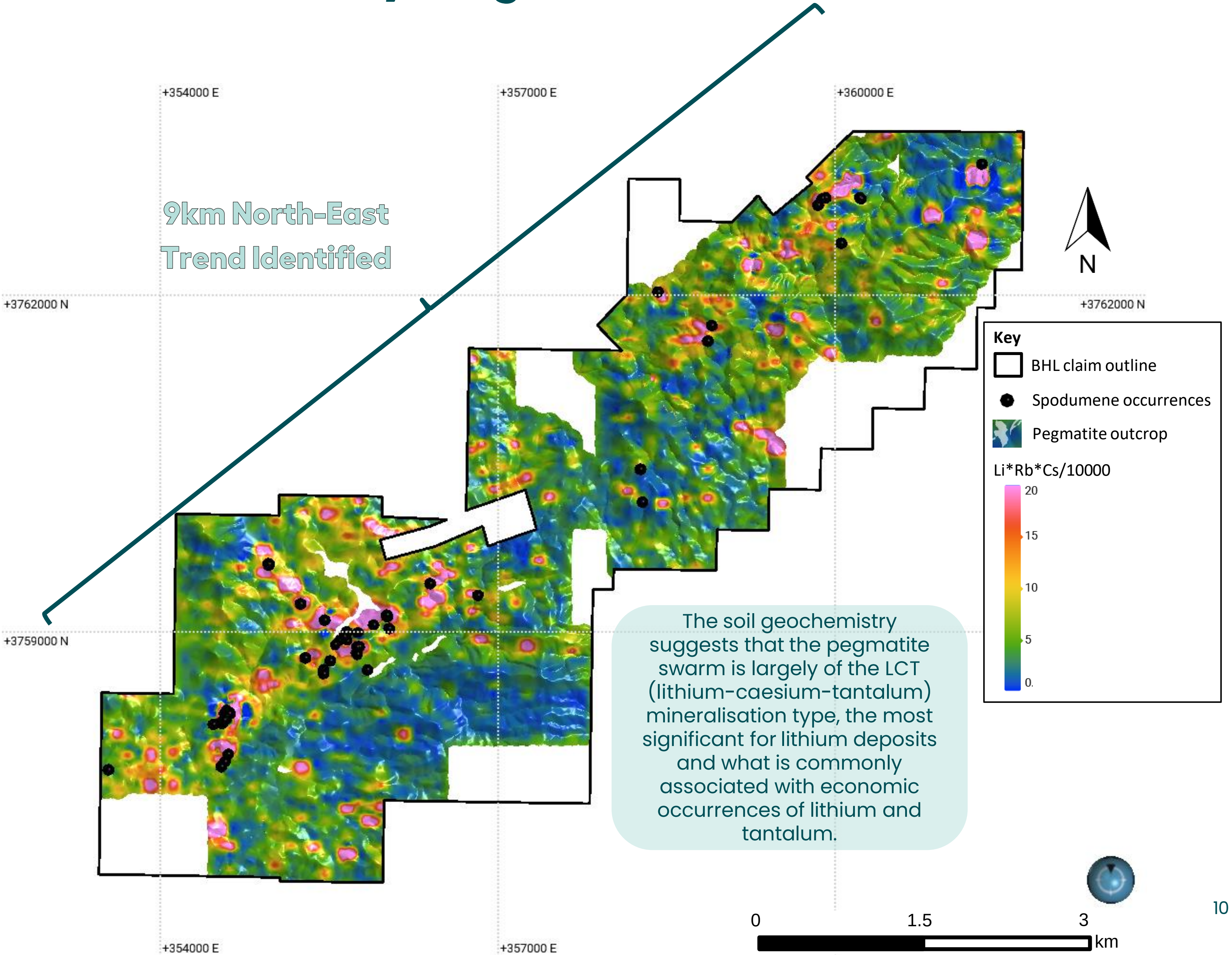
1 hour from Phoenix

7,300m diamond programme completed

Phase 1 and 2 covering c.1% of our 23km² pegmatite district

9km mineralised trend identified

Follow-up programme planned for H2 2023



The soil geochemistry suggests that the pegmatite swarm is largely of the LCT (lithium-caesium-tantalum) mineralisation type, the most significant for lithium deposits and what is commonly associated with economic occurrences of lithium and tantalum.

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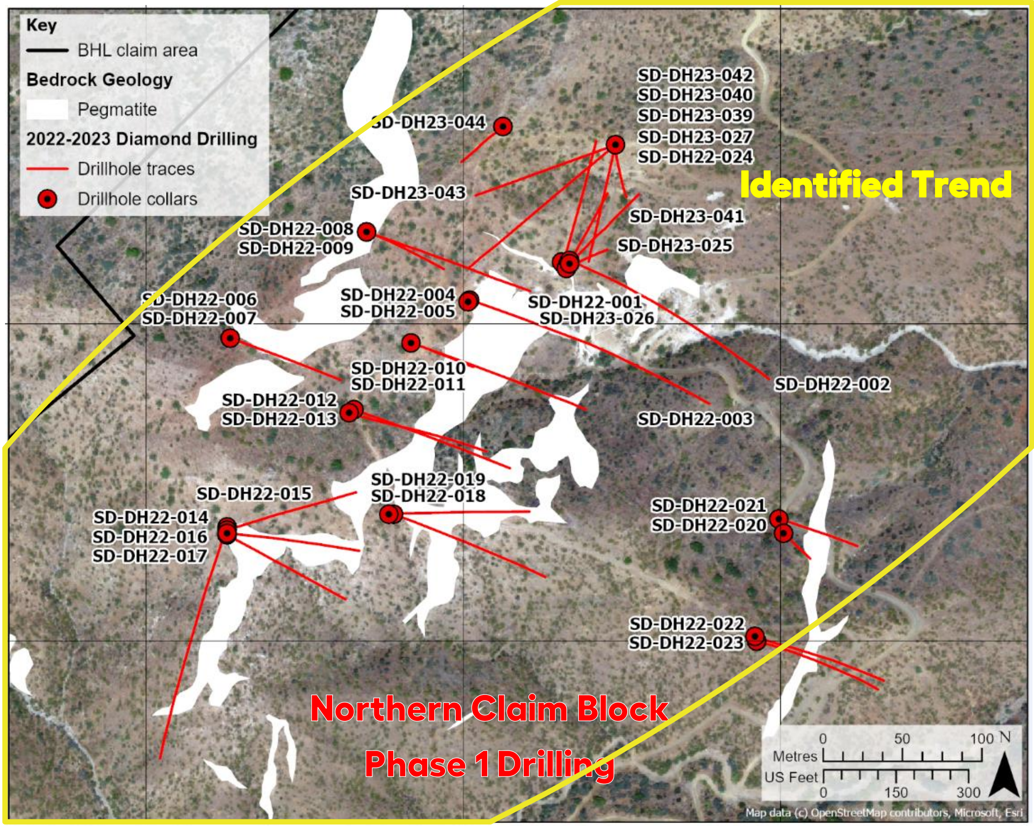
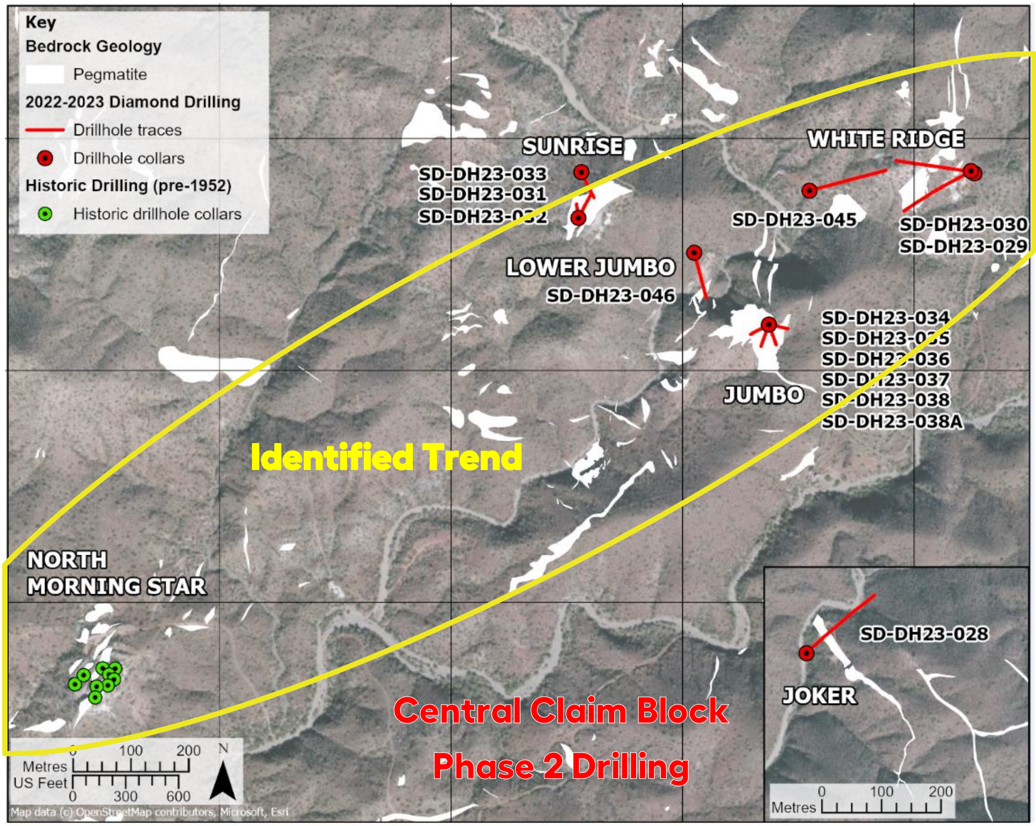
Drilling Complete – Mineralisation Identified in 60% of Holes

San Domingo – Phase 1 and 2





Phase 1 Highlights:

- 31.85m @ 1.60% Li_2O in SD-DH22-024
- 9.75m @ 0.78% Li_2O in SD-DH22-003
- 6.52m @ 1.24% Li_2O, and 3.05m @ 0.67% Li_2O in SD-DH22-041
- 4.27m @ 1.86% Li_2O in SD-DH22-005
- 3.20m @ 1.70% Li_2O, and 1.89m @ 2.89% Li_2O in SD-DH22-019
- 2.74m @ 2.12% Li_2O in SD-DH22-042
- 2.44m @ 1.63% Li_2O in SD-DH22-001

Phase 2 Highlights:

- 9.54m @ 1.85% Li_2O, 3.02m @1.49% Li_2O, and 2.90m @ 3.03% Li_2O in SD-DH23-037
- 7.35m @ 0.68% Li2O, 4.79m @ 0.87% Li_2O, 3.20m @ 1.22% Li_2O, and 3.21m @ 0.75% Li_2O in SD-DH23-036
- 9.85m @ 0.86% Li_2O in SD-DH23-034
- 4.02m @ 1.27% Li_2O in SD-DH23-035
- 5.94m @ 1.22% Li_2O, and 0.79m @ 4.16% Li_2O in SD-DH23-046
- 4.72m @ 0.67% Li_2O in SD-DH23-038a

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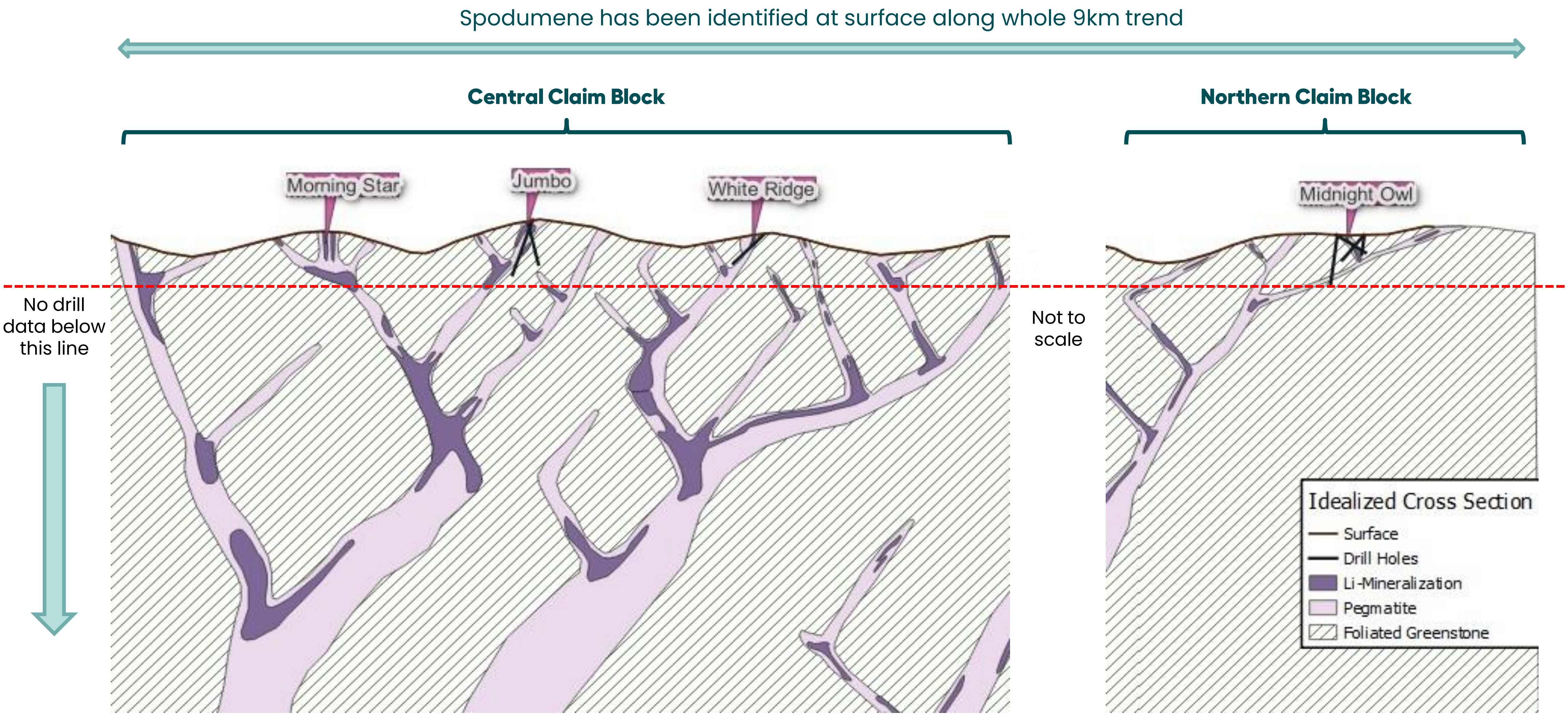
District Scale Potential Comparable to Other Well Known LCT Systems

San Domingo – District Scale

Theorised cross-section of San Domingo Central and North and the potential underneath



Cross-section does not show all known pegmatites at surface and distances between Central and Northern claim blocks not to scale

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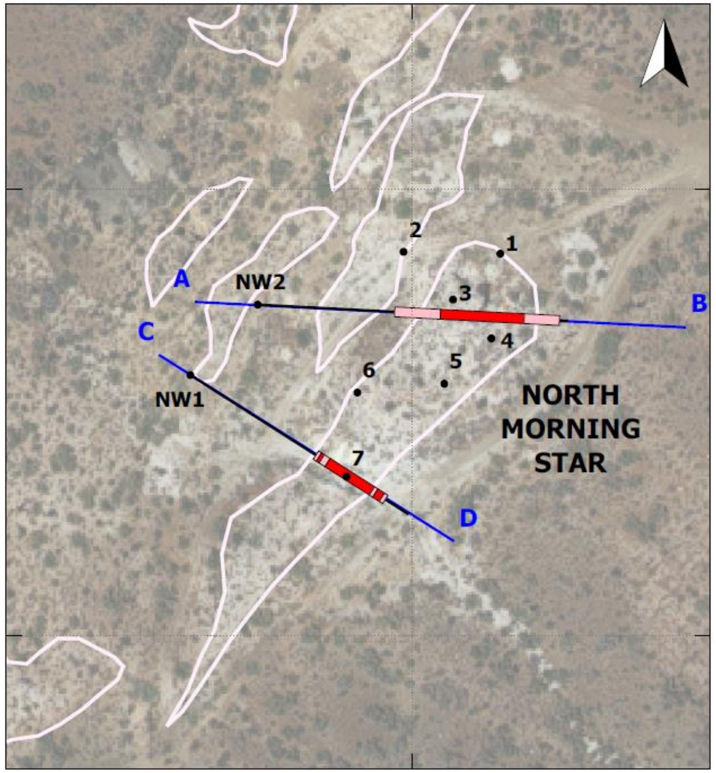
San Domingo – Central Claims

Follow-up Targets Identified at Morningstar Pegmatite for Phase 3

Below: 3D view of digitised historic drilling(1) at North Morning Star, displaying pegmatite and schist host rock. Drill holes shown for cross-sections.

Pegmatite recorded as containing spodumene

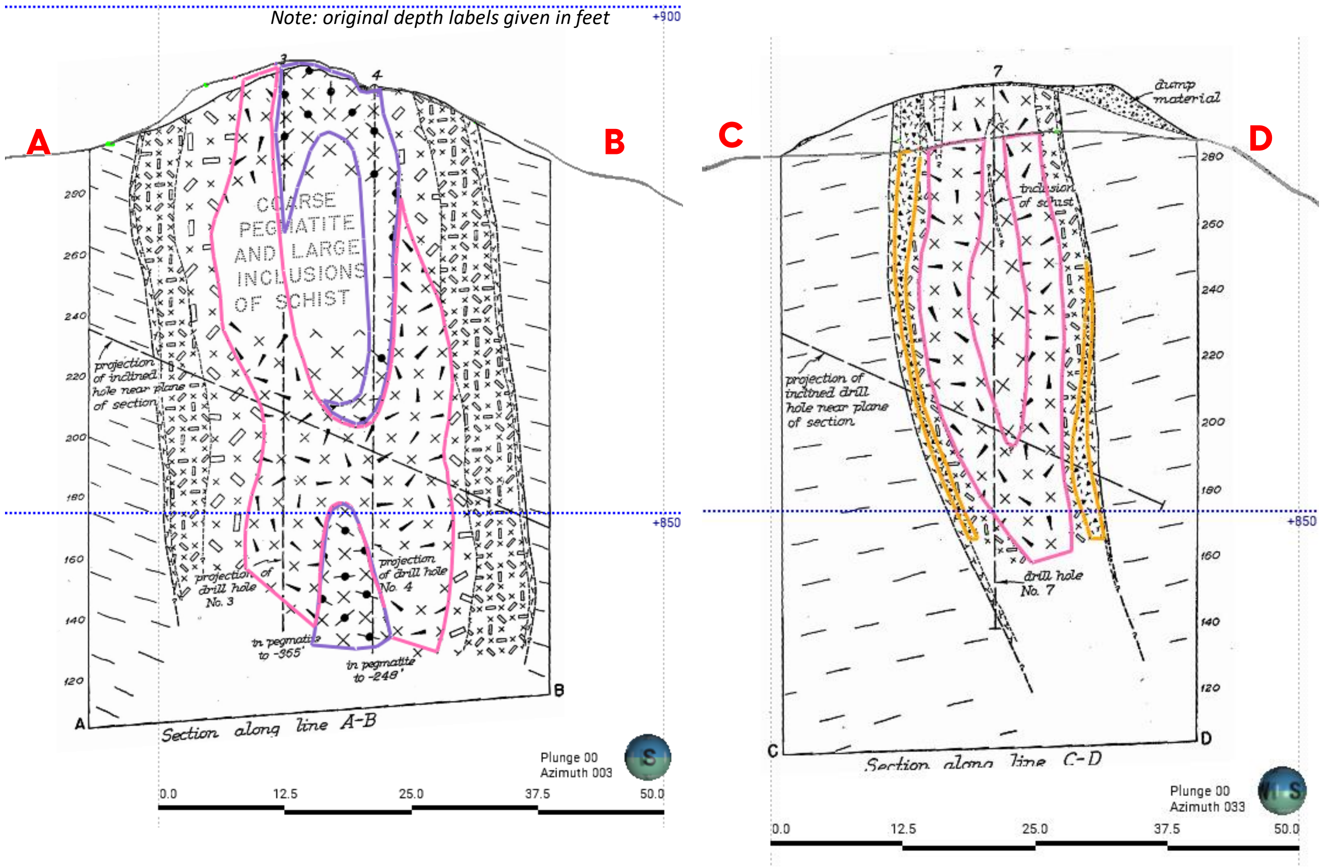


Surface mapping
Pegmatite outline

Cross sections
Section line

Historic drillhole lithology
Pegmatite
Spodumene-bearing pegmatite

Saved to this PC



Above: Cross sections of North Morningstar pegmatite zones from Jahns (1952): purple is quartz-amblygonite, pink is quartz-spodumene, orange is quartz-albite-perthite-muscovite-spodumene

Note: (1) No assays available

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San Domingo - Next Steps to Developing a World Class Lithium District

San Domingo – Next Steps

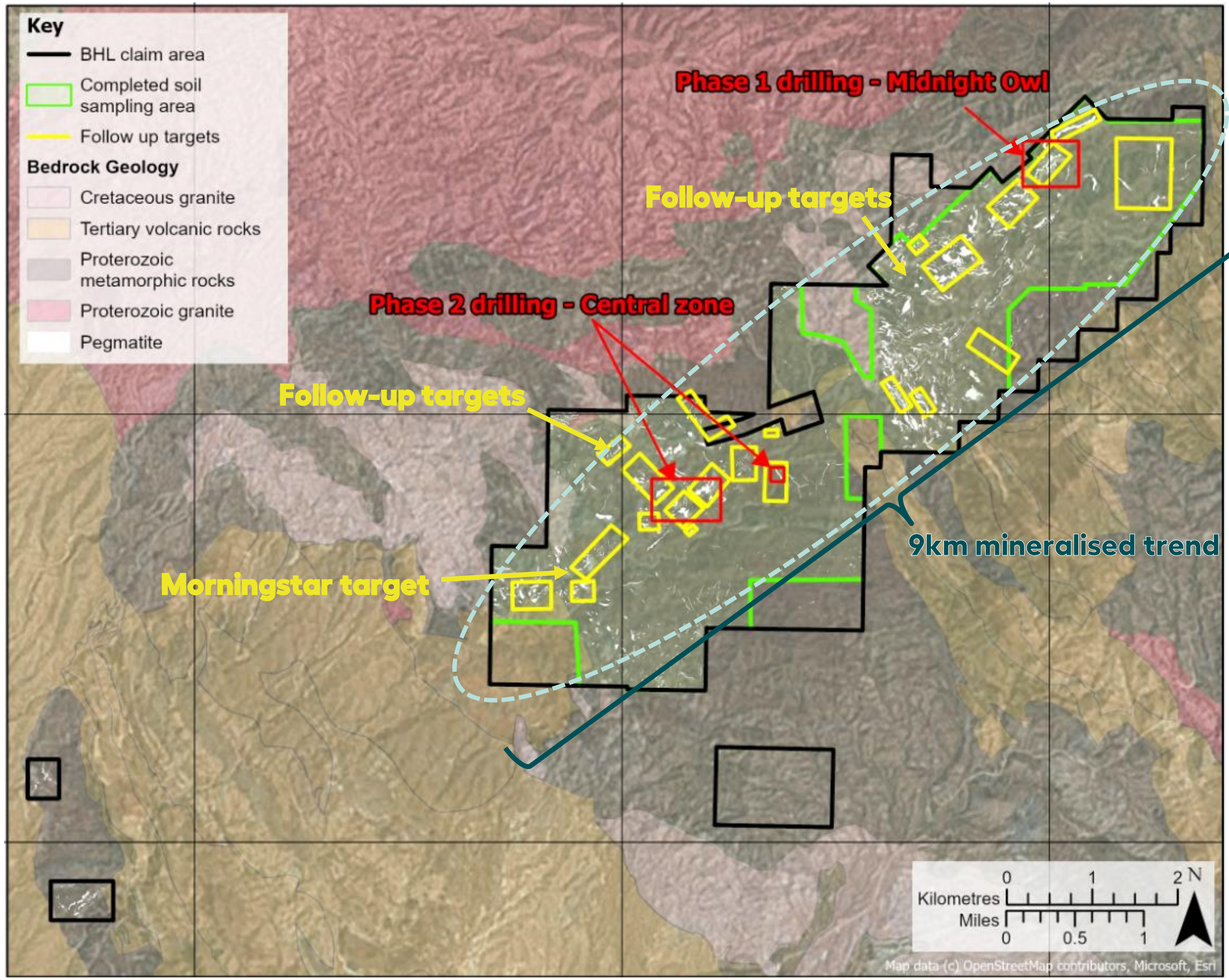
Soil sampling results analysis

Structural mapping of priority targets

Permitting new targets

Additional drill holes in Central and Northern Claim Blocks at existing drilled areas

Follow-up 10,000m drill programme later this year



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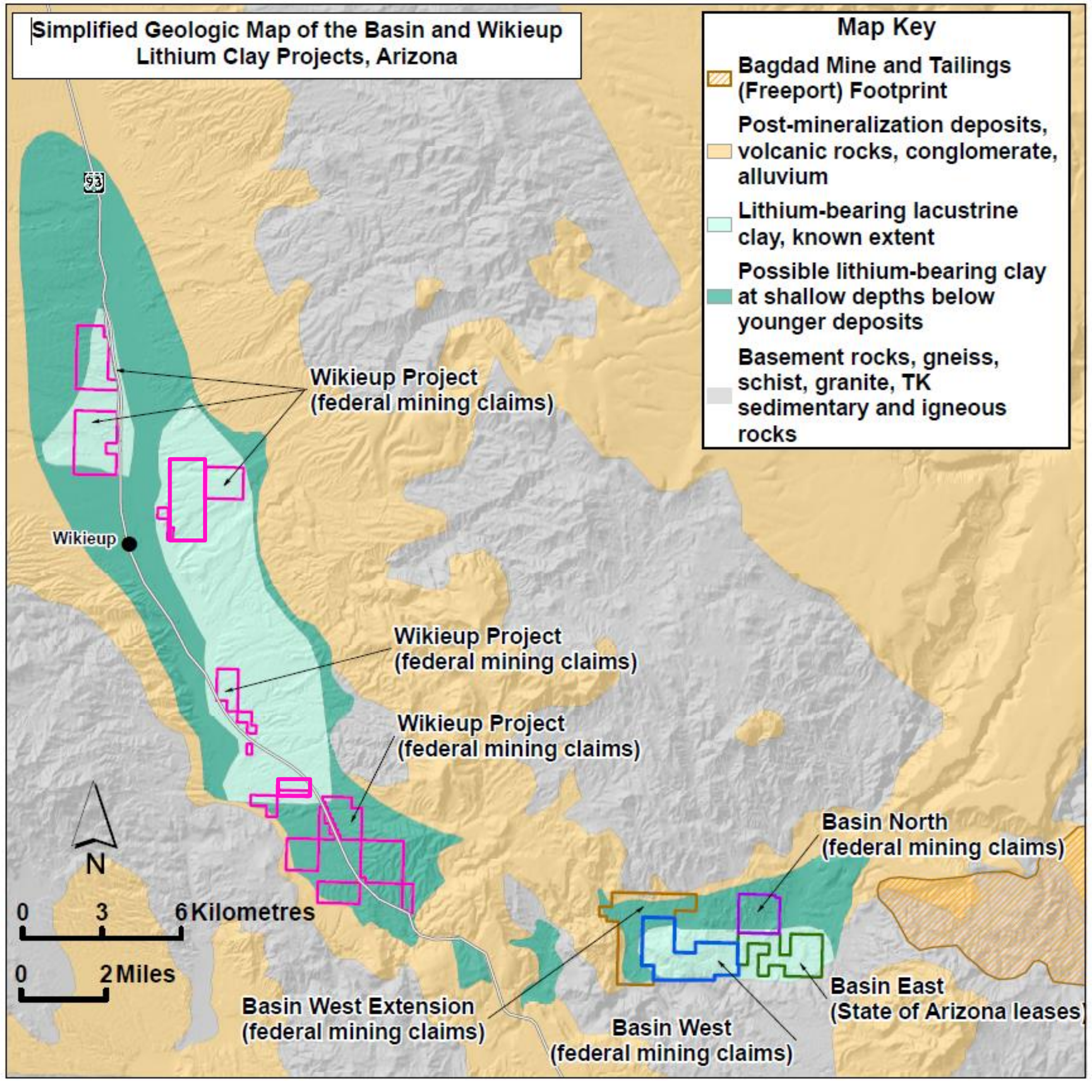
Sedimentary Lithium Projects Overview – Arizona

Arizona – Sedimentary Portfolio



1 All sedimentary assets have shared geology, with district-wide capability. Geophysical programme has been conducted over the entire claim package, enabling more targeted drilling.

2 Extensive land package covering c.46km^2 , and now fully funded to early stage technical study from LRC Royalty transaction in December 2021 and fundraise in April 2022.

3 3rd Drilling programme completed in 2022 at Basin East (BE), with promising metallurgical results demonstrating >98% Lithium extraction from leach. Indicated & Inferred JORC Resource of 371kt LCE at BE.

4 Follow-up metallurgical testwork has indicated the potential to upgrade the grade of our Basin clay by 26% to 1,900ppm Li using Cyclone Classification.

5 Drilling underway at Basin East Extension and Basin North with resource expansion expected in Q3 2023

6 Multiple newsflow events planned for 2023.

7 Supportive mining jurisdiction;
- Freeports Bagdad copper mine has been in operation since 1928.

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Basin Project
6Mt Exploration Target

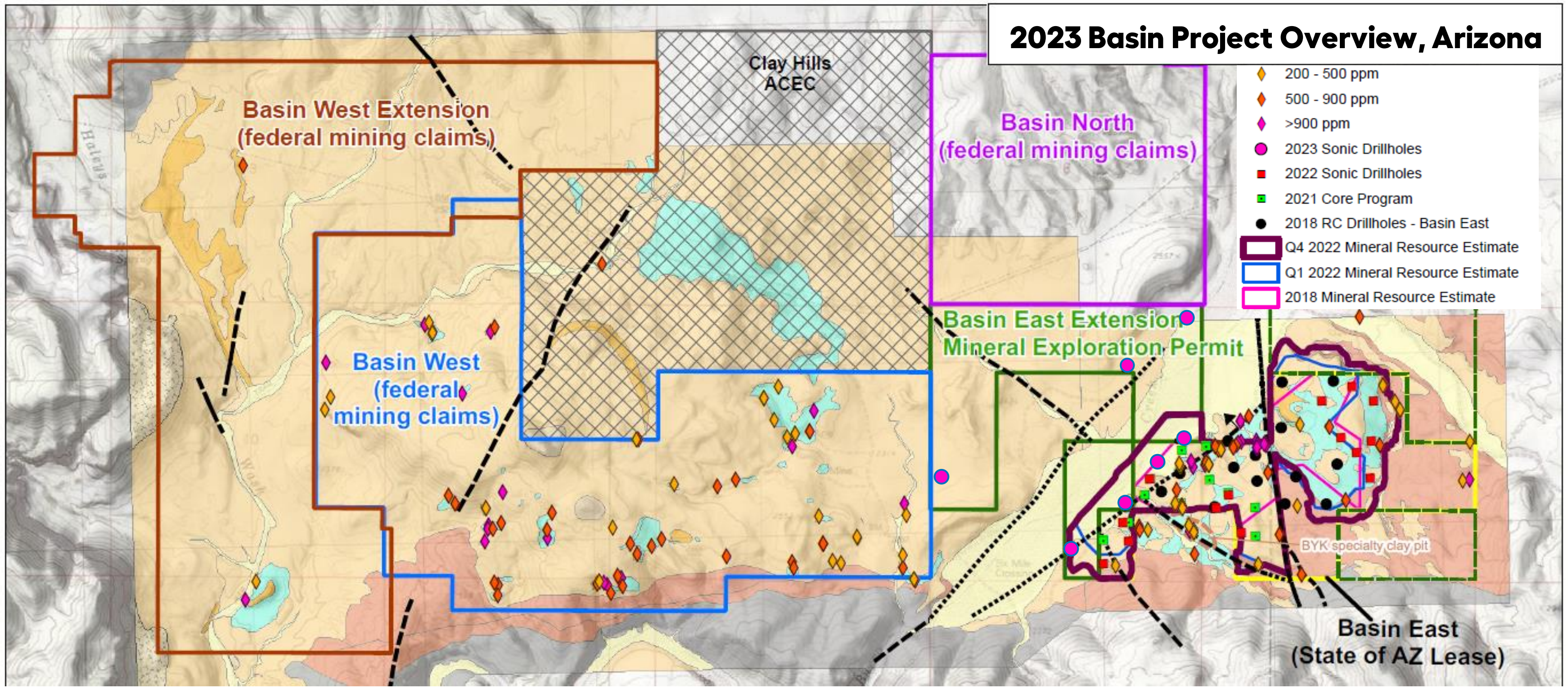
Resource Expansion and Metallurgical Testing

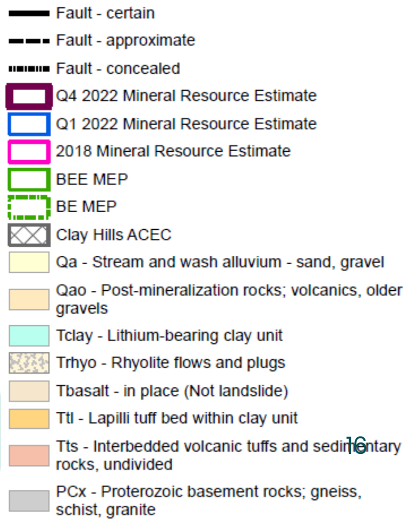
1 Resource of 371kt of LCE and an identified 1Mt to 6Mt LCE Exploration Target

2 Drill programme started at BEE in Q1 to grow resources, targeting 1Mt expansion and PEA start in 2023.

3 Results from follow-up metallurgical programme demonstrate:
- ability to extract >98% of lithium within 1 hour .
- potential to upgrade our clay grade by 26% to 1,900ppm Li using Cyclone Classification.

4 Permitting underway at Basin West, Basin West Extension, which cover a c.11km2 area





MRE Timeline	LCE (kt)	Resource area (km^2)	% of Basin Project area	Drilled area (km^2)	% of Basin Project area
2018 MRE	185	0.6	3.3%	0.9	5.2%
Q1 2022 MRE	305	0.9	5.4%	1.1	6.3%
Q4 2022 MRE	371	1.2	7.2%	1.4	8.1%
2023 MRE	?	?	?	3.9	22.7%
Total	1 to 6Mt Target	17.2km^2 area	Huge Potential for Resource Growth as Cost of Discovery at Basin is US$11 per tonne of LCE discovered		

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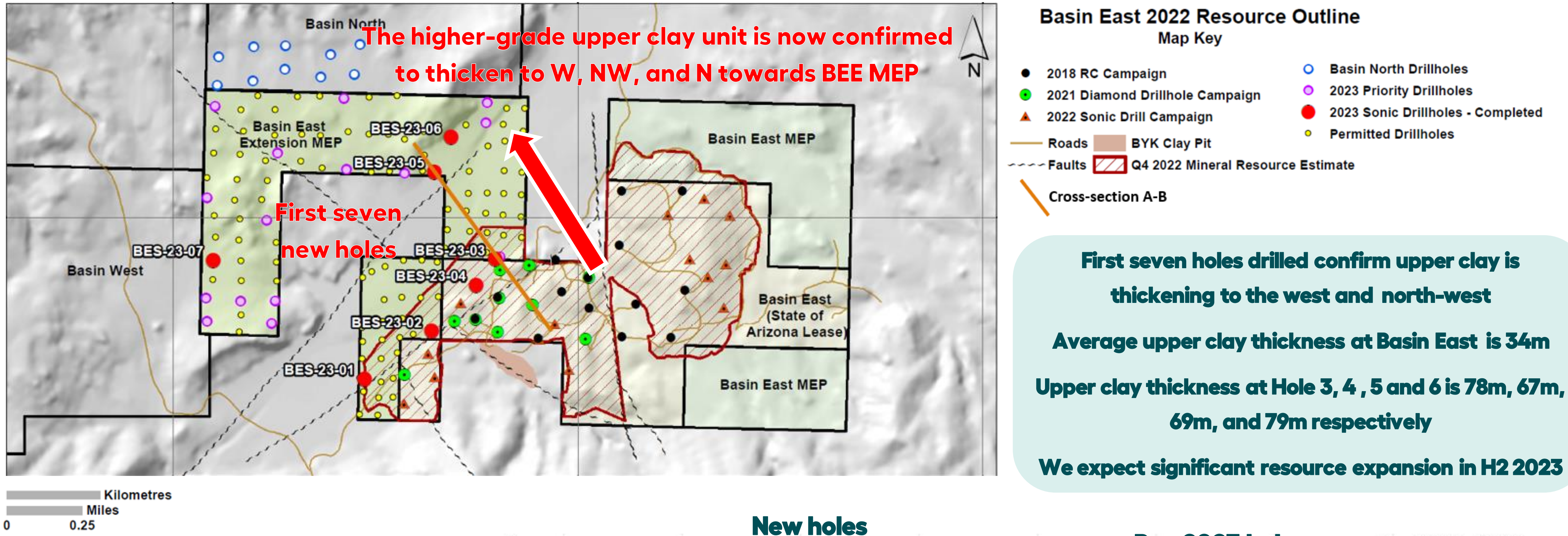
Basin Project Resource Growth – Promising Initial Results from 2023 Drilling



First seven holes drilled confirm upper clay is thickening to the west and north-west

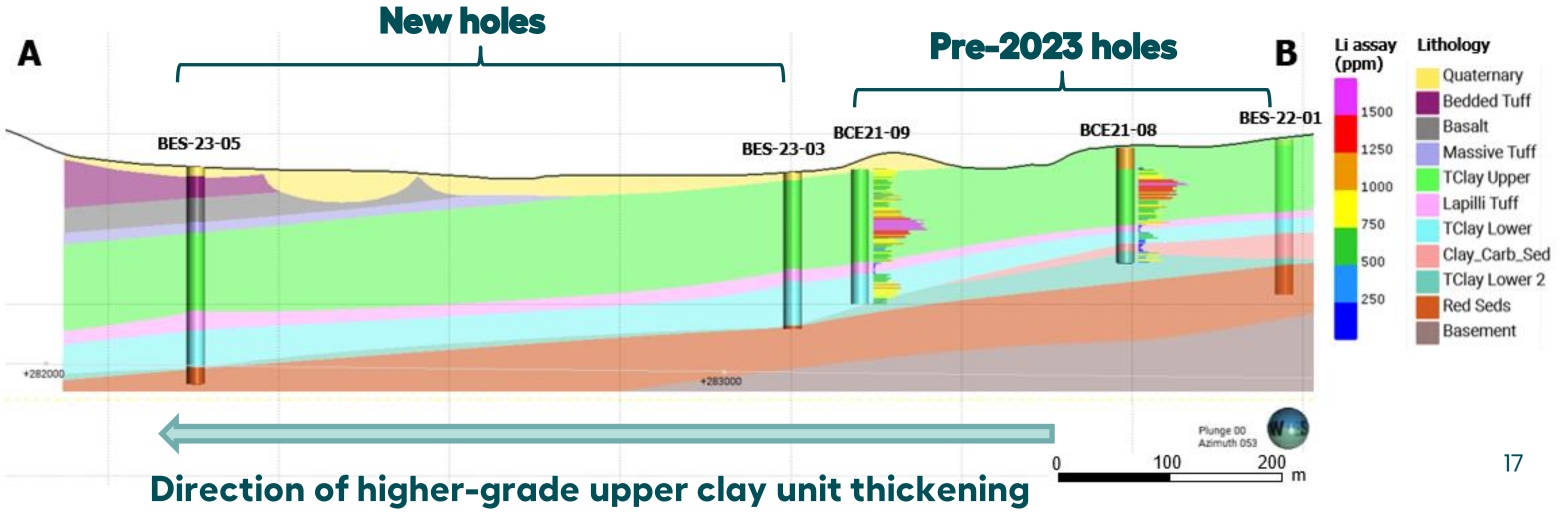
Average upper clay thickness at Basin East is 34m

Upper clay thickness at Hole 3, 4, 5 and 6 is 78m, 67m, 69m, and 79m respectively

We expect significant resource expansion in H2 2023

Basin Project covers over 17km²

Drill programme commenced in Q1 to further grow resources, targeting expansion and PEA start in 2023



Lithium Brine Assets

Lithium Brine Projects

Wilson

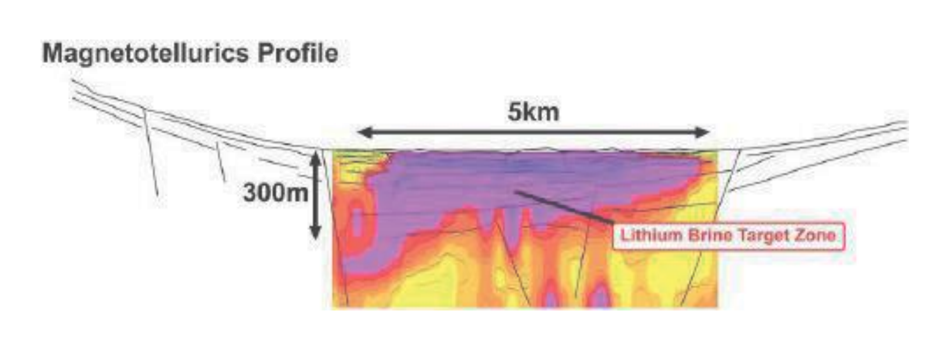
Summary
- Location: Nevada, USA
- Type: Brine
- Project Area: 13.6 km²

Overview
- Located in Nye County, Nevada, 81 miles east of Clayton Valley and the Silver Peak lithium brine project

Exploration to date
- Surface sedimentary sampling and follow up studies
- Geophysical study conducted and shallow sampling auger drilling conducted the upper 200 – 300 m

Exploration plans
- Drilling programme planned for 2023 to test brine geochemistry

Wilson geophysics



Eureka

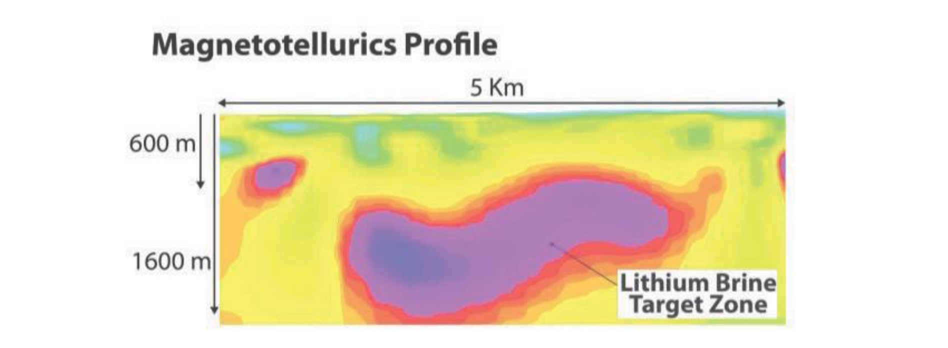
Summary
- Location: Nevada, USA
- Type: Brine
- Project Area: 11.8 km²

Overview
- Located in Lander County, Nevada, 106 miles northeast of the Silver Peak lithium brine operation

Exploration to date
- Reconnaissance-level surface auger/post hole sampling with grades of up to 550 ppm Li
- Geophysical surveys conducted Q4 2021, with positive results identifying potential basin with 12km strike and depth of between 300m and 2,000m
- A shallow drill programme was completed to test and identify potential for clay mineralization near surface, similar to what is seen at the Wikieup and Basin projects

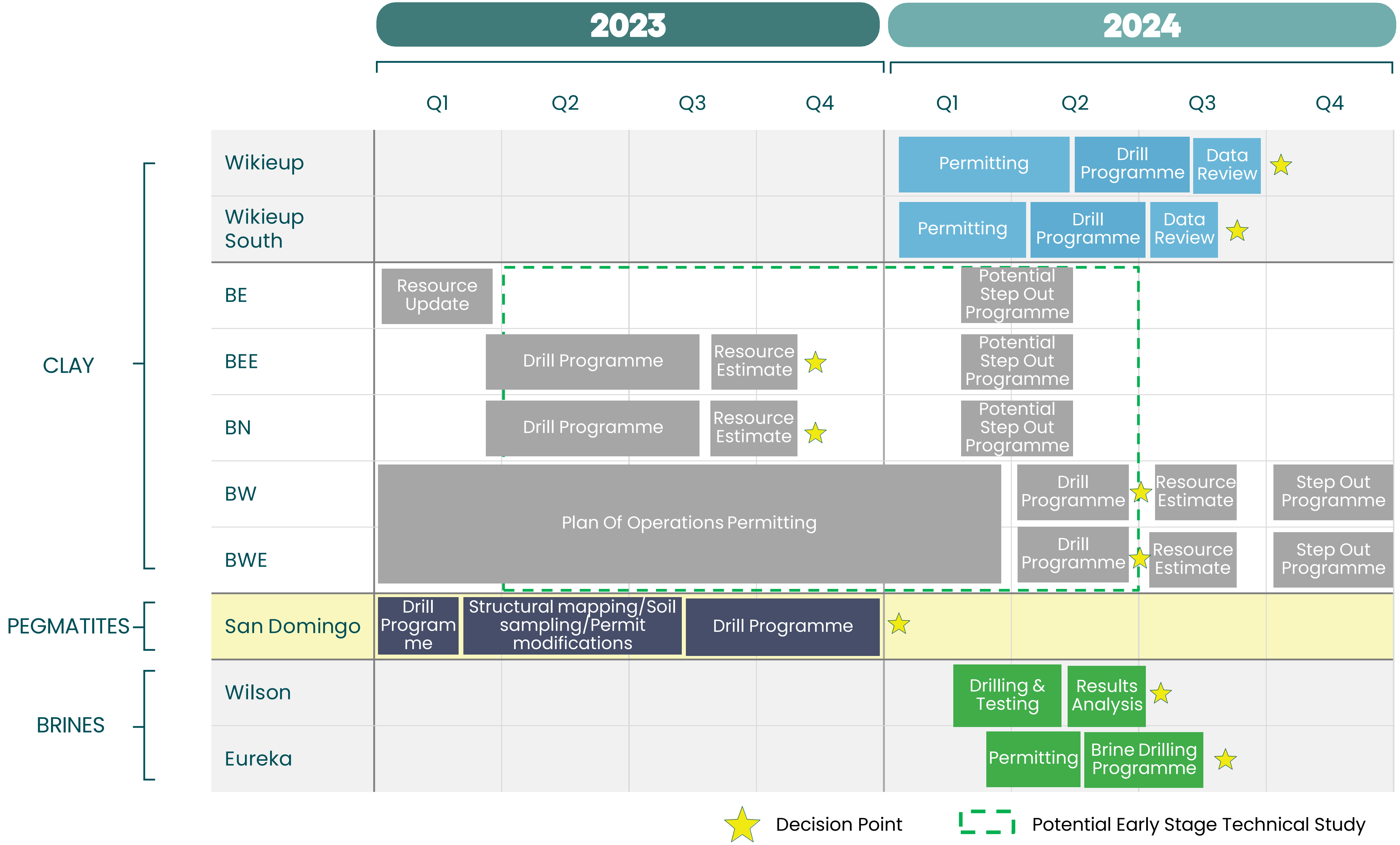
Exploration plans
- A drill programme is being permitted to test the brine geochemistry

Eureka geophysics



BRADDA HEAD LITHIUM

Fast Track Approach for Growth



Exploration Timeline

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Environmental, Social, and Governance

ESG – Number One Priority

Environment

Proper environmental stewardship is at our core – it is both a moral and commercial imperative.

- Operate with respect for the land, sensitive environment, and cultural resources.
- Carefully steward of every last drop of water
- Protect ground and surface water resources.
- Maintain a net positive impact in the areas we operate.

Social

Our mission is to obtain and maintain social license to operate with our host communities and neighbours.

- Partner with host communities to find ways to support programs that increase quality of life.
- Maintain an open dialogue.
- Source locally whenever possible.
- Respect local culture and traditions.

Governance

Create a culture of respect and accountability for our management and workforce.

- Maintain a positive health and safety culture.
- Respect human rights.
- Provide a positive work-life balance.
- Operate ethically, respectfully, and responsibly.

2023 ESG Initiatives

Water Conservation Initiatives

After extensive consultation with local stakeholders and tribes within Arizona, Bradda has identified the key issues facing the local communities, with water conservation being at the top.

With this in mind Bradda has engaged a well respected environmental consultancy to commence Water Conservation Initiatives first at its Basin project , after which the Company will roll out further initiatives across its portfolio of assets.

Community Website

In late 2022 Bradda released a Community focussed website to keep our local stakeholders updated on our activities and to give them a platform to give us feedback. The website will also be a platform for further initiatives.

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Low Carbon Footprint Sourced Lithium for the US Market

Investment Summary

- Undervalued compared to peers, aggressive drilling campaign underway at our pegmatite asset in Arizona, with initial promising results.
- Fully funded to drill at pegmatites and to an early-stage technical study at clays.
- Indicated Resource at clay asset on district potential formation including up to 6Mt LCE Exploration Target with processing route to lithium end product identified.
- Experienced management with proven track-record of returning value to shareholders.
- Low carbon footprint lithium for the US domestic market. Strong ESG focus, with water conservation initiatives due in 2023.
- Multiple newsflow events planned for 2023.
- Supportive mining jurisdiction; Freeports Bagdad copper mine has been in operation since 1928.

"The US is facing a dramatic shortfall in domestic low carbon footprint lithium supply and Bradda is ideally positioned to supply it"

Charles FitzRoy
CEO

BHL Asset Base

- $23km^2$ of lithium pegmatite claims
- $46km^2$ of lithium sedimentary claims
- $25km^2$ of lithium brine claims

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APPENDIX

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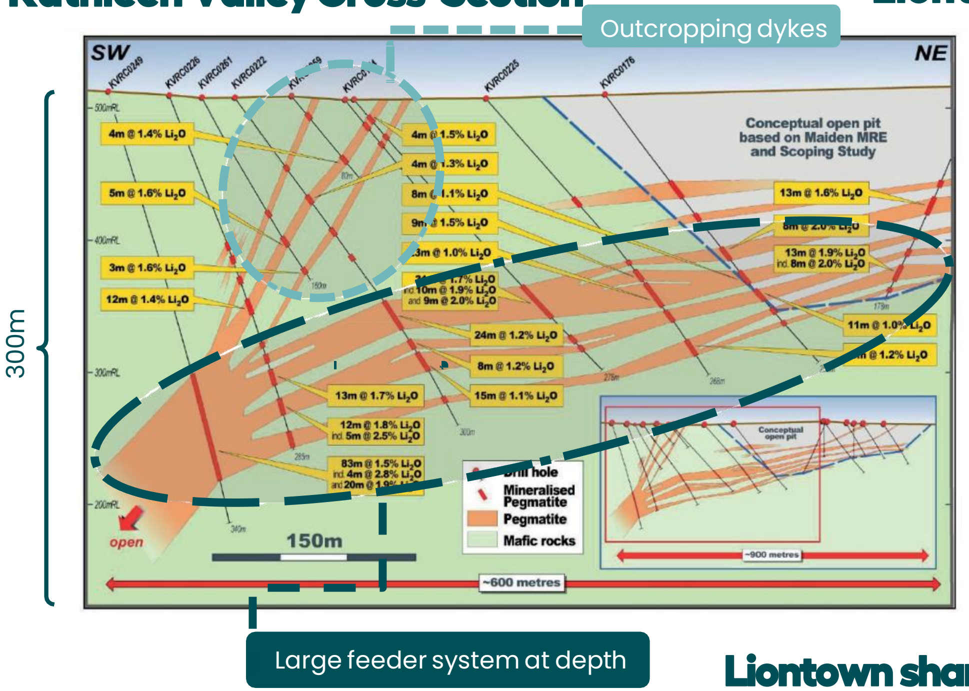
Advisers

Technical	NOMAD	Brokers	Legal	Audit	Investor Relations
SRK Consulting (UK) Ltd Martin Pittuck +44 (0) 292 034 850	**Beaumont Cornish Ltd** James Biddle +44 (0) 207 628 3396	**Shard Capital Partners LLP** Isabella Pierre +44 (0) 207 186 9927 **Panmure Gordon Ltd** John Prior Hugh Rich +44 (0) 207 886 2500 **Red Cloud (North American Broker)** Joe Fars +1 (416) 803 3562	**Hill Dickinson LLP** **Fasken** **Druces LLP** **Fennemore Law**	**KPMG**	**Tavistock** Nick Elwes +44 (0) 207 920 3150

Case Study - Liontown Resources

BHL Pegmatite Resource Growth Potential

Kathleen Valley Cross-Section

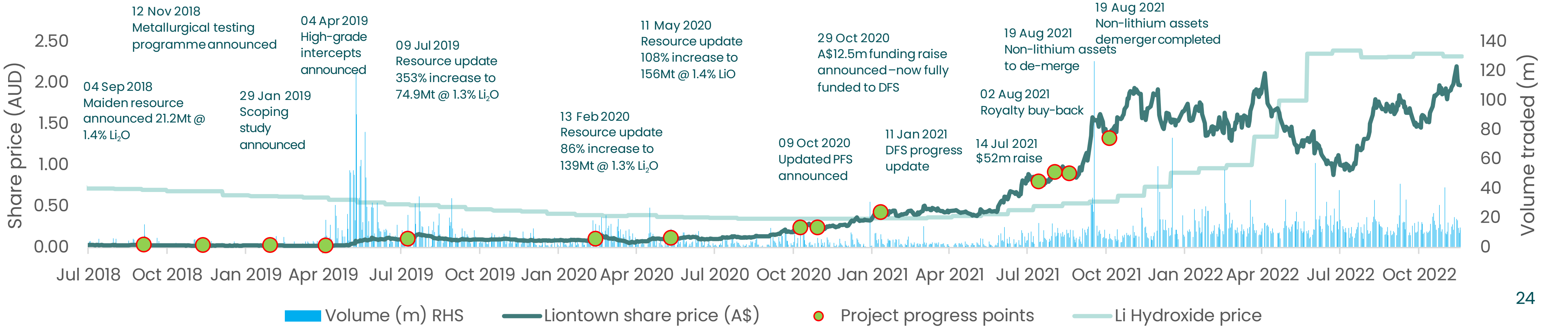


Liontown Resources – c.90% of its value is in its Kathleen Valley Project

Liontown Resources	
Cut-off (% Li2O)	0.55%
Grade (% Li2O)	1.40%
Tonnes (Mt)	156
LCE Contained (kt)	5,300

	Bradda Head	Liontown Resources
Market Cap(1) (USD)	$38m	$2,880m

Liontown share price +6,500% since Maiden resource announced in September 2018



Source: Liontown Resources website. Market data from Yahoo Finance as of 18 October 2022, and Benchmark Mineral Intelligence Lithium price data

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Case Study – American Lithium

American Lithium – BHL Sedimentary Resource Growth Potential

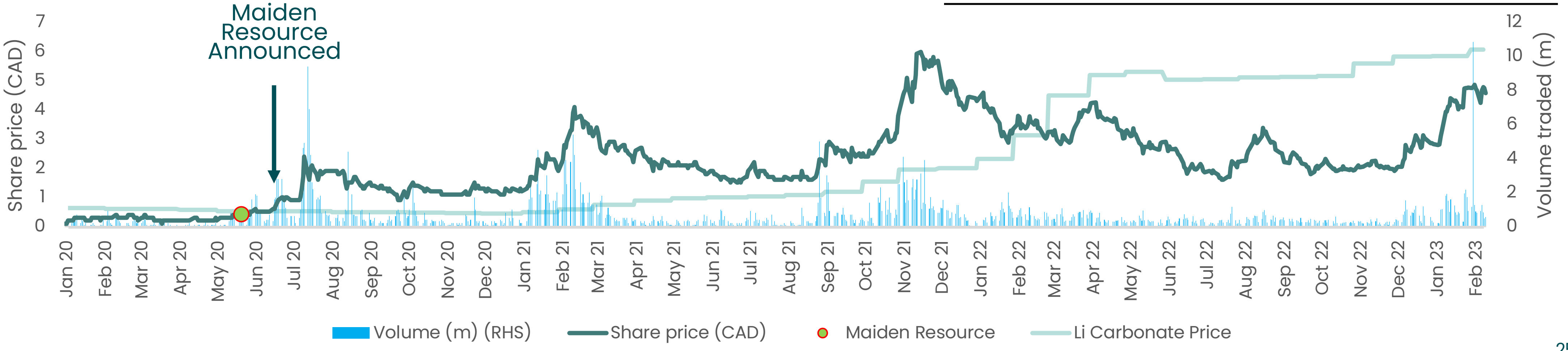
Only 1.4km^2 of BHL Lithium Sedimentary Claims[1] Drilled = Huge Potential for Resource Growth

Bradda Head Lithium		
Cut-off (ppm)	400	800
Grade (ppm)[2]	690	1,051
Tonnes (Mt)	92	25
LCE Contained (kt)	367	142

American Lithium TLC		
Cut-off (ppm)	500	800
Grade (ppm)[3]	791	1,069
Tonnes (Mt)	2,538	983
LCE Contained (kt)	10,690	5,590

American Lithium share price performance +1,000% since resource announced

	Bradda Head	American Lithium
Market Cap[4] (USD)	30	720



Note: (1) Basin Project. (2)Q4 2022 Resource estimate. (3) December 2022 Technical Report – TLC Property(4) As of 10 February 2023.
Source: Market data from Yahoo Finance as of 10 February 2023, and Benchmark Mineral Intelligence Lithium price data

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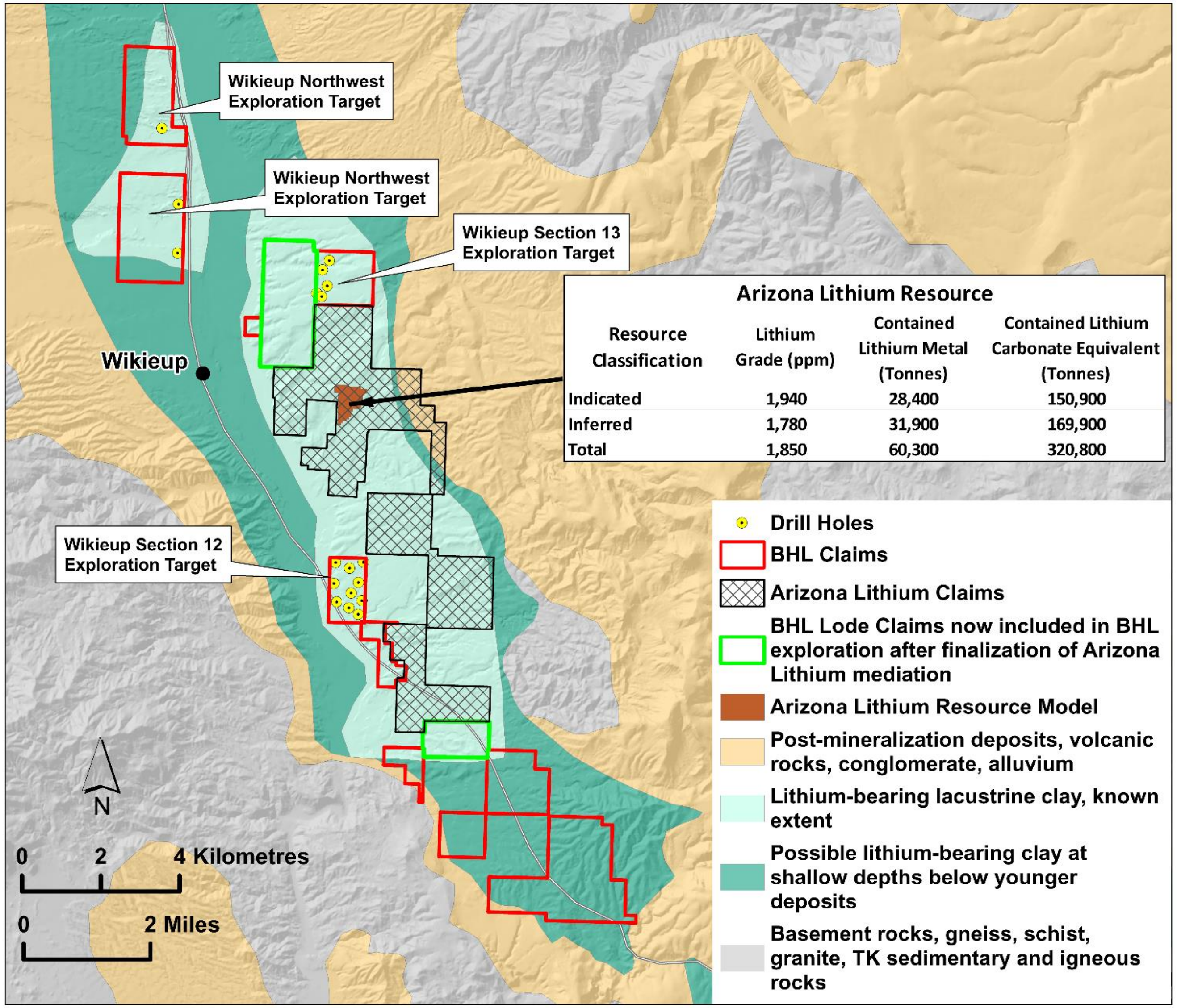
Arizona Projects – Wikieup

Wikieup Sedimentary Lithium Project

- Geophysics programme covering all sedimentary claims has identified possible clay strata, allowing for more targeted drilling.
- New claims added to Wikieup Project in 2022, total project area now covers c.28km^2.
- Sonic drilling completed at Section 12, 13 and Northwest. Large intersections (of over 70m) of mineralised clay identified.
- Initial results being analysed and follow-up programme being planned.



Arizona Lithium Resource

Resource Classification	Lithium Grade (ppm)	Contained Lithium Metal (Tonnes)	Contained Lithium Carbonate Equivalent (Tonnes)
Indicated	1,940	28,400	150,900
Inferred	1,780	31,900	169,900
Total	1,850	60,300	320,800

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U.S Lithium Supply Gap

Bradda – Closing the US Lithium Supply Gap

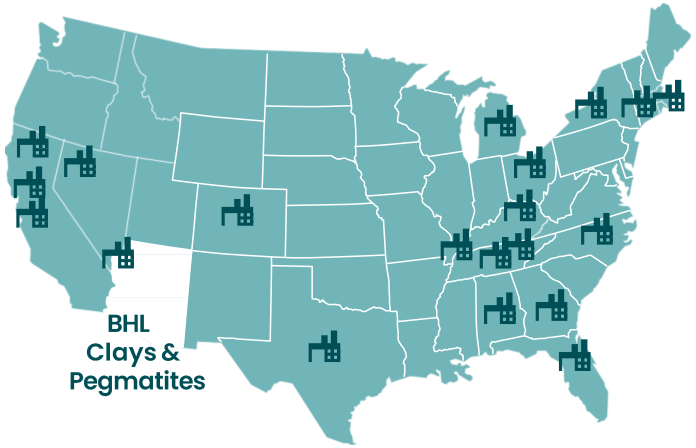
The USA is a growing, and strategically important lithium end user market

US Demand

- 23 U.S. Gigafactories planned by 2026, (four are already operational) requiring c.340 ktpa of lithium chemicals
- By 2030 it is forecast that US production, will require c.600 ktpa of LCE

2021 US Supply

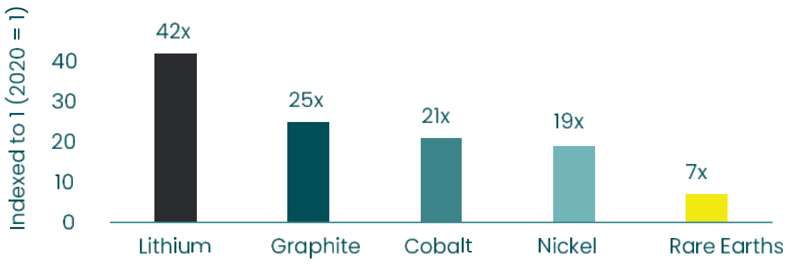
- Current total US annual production is c.5ktpa and is solely from Albemarle's Silver Peak Mine in Nevada



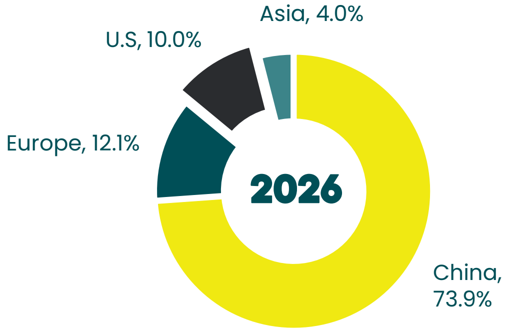
Current US lithium production accounts for only c.1.5% of forecast 2026 US Gigafactory demand

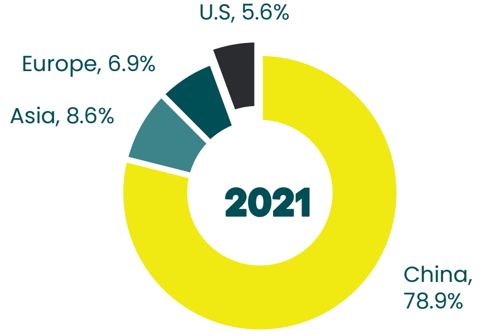
Mineral growth requirements by 2040 to reach SDS goals

Lithium demand to increase by 42x by 2040 to reach SDS (Sustainable Development Scenario) goals or the World to be carbon neutral by 2070



Gigafactory Capacity





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Source: Benchmark Mineral Intelligence, Oxford Institute for Energy Studies, Investing News, IEA, Company Documents. Note: Farasis Energy is yet to confirm the location of its U.S. megafactory.. On 7 January 2021, Albemarle announced its intention to double production capacity at its Silver Peak Mine by 2025

Strategic Positioning in the USA for Lithium End-Users

Strategic Positioning

USA Lithium Projects

- In April 2021, the Biden administration released a $1.9 trillion infrastructure plan
- Under the Biden administration, clean energy production will be ramped up, with lithium considered to be a key resource. $174 billion has been earmarked to "win the EV market" by spurring domestic supply chains and giving consumers rebates to buy them.
- Favourable location with respect to power, rail and road transport
- Electricity and gas infrastructure easily accessible and in place
- Multiple lithium end users located in Western states, most notably the Tesla Gigafactory
- Assets in mining friendly states, nearby Nevada lithium mines/assets:

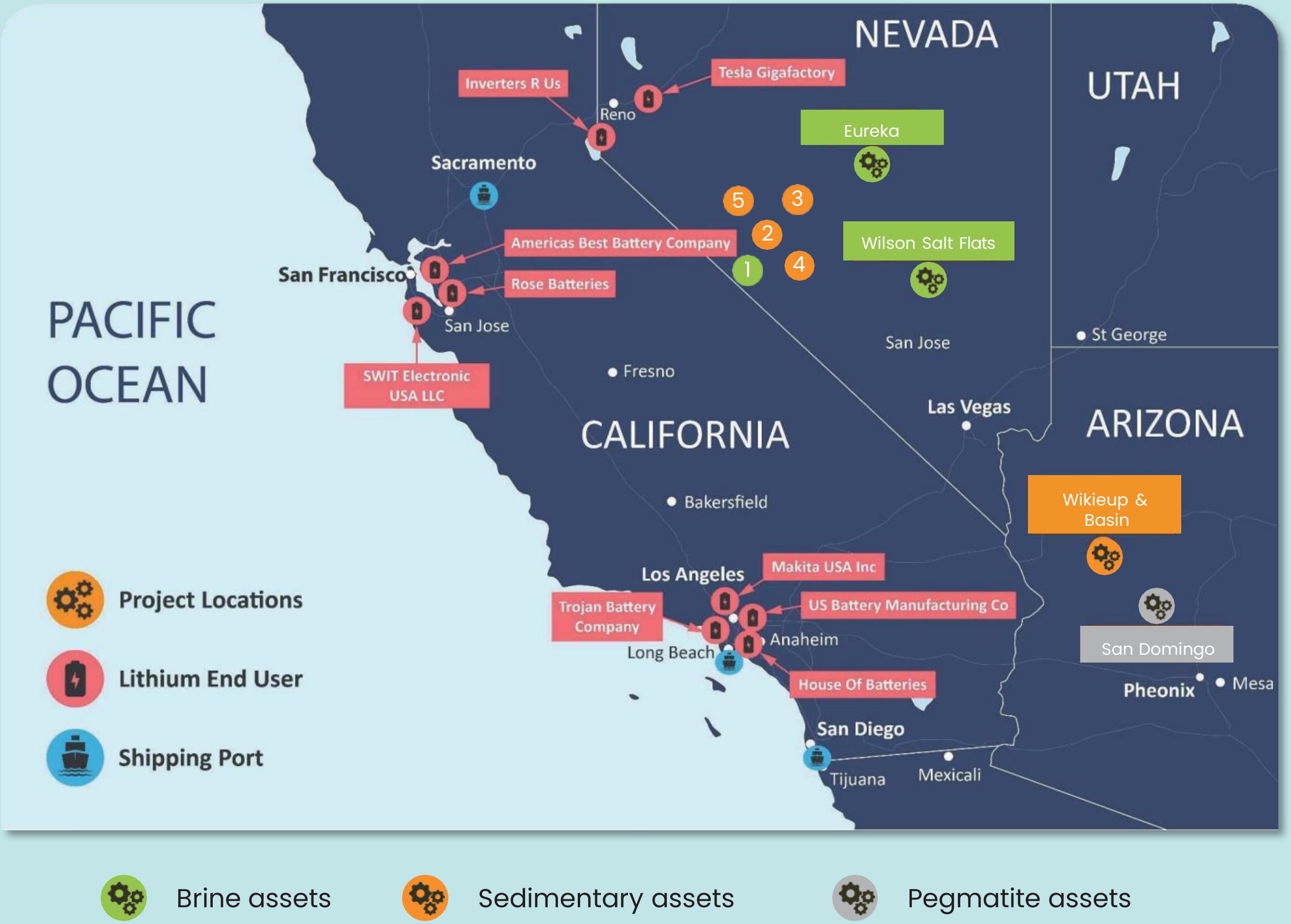
1 Silver Peak, Albemarle (Mkt Cap US$25.7bn), brine

2 Rhyolite Ridge, Ioneer (Mkt Cap US$1.1bn), sedimentary

3 TLC, American Lithium (Mkt Cap US$588m), sedimentary

4 Clayton Valley, Cypress (Mkt Cap US$231m), sedimentary

5 Clayton North, Jindalee (Mkt Cap US$203m), sedimentary



Source: Market data from Yahoo Finance as of 20 April 2022

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Glossary & Abbreviations

BLM	Bureau of Land Management
Ha	Hectares
K	Potassium
kT	Thousand tonnes
LCE	Lithium carbonate equivalent
Li	Lithium
Li2O	Lithium oxide
m	Metres
Mg/l	Milligram per litre
MRE	Mineral Resource Estimate
MT	Magnetotelluric
Mt	Metric Tonnes
NURE	National Uranium Resource Assessment
PFS	Pre-feasability study
ppb	Parts per billion
ppm	Parts per million

CONVERSION FACTORS

LCE → Li	Li → LCE	Li → Li_2O	Li_2O → LCE
0.188	5.323	2.15	2.473

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Thanks.

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