ATLAS LITHIUM

Nasdaq : ATLX

Corporate Overview

March 2025

Forward-Looking Disclaimer

This presentation contains, or incorporates by reference, "forward-looking information" within the meaning of applicable U.S. securities laws, rules and regulations. Forward-looking information may include, but is not limited to, statements with respect to the future performance of Atlas Lithium Corporation and its subsidiaries (together, "Atlas Lithium" or the "Company"), the Company's mineral properties, the future price of lithium and other minerals, the mineralization of the Company's properties, results of exploration activities and studies, the realization of mineral resource estimates, exploration activities, costs and timing of the development of new deposits, the results of future exploration and drilling, management's skill and knowledge with respect to the exploration and development of mining properties in Brazil, the Company's ability to raise adequate financing; government regulation of mining operations and exploration operations, timing and receipt of approvals and licenses under mineral legislation, and environmental risks. There may be other factors that cause actions, events or results to differ from those anticipated, estimated or intended. Forward looking statements contained herein are made as of the date of this presentation. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. The reader should not place undue reliance on these forward-looking statements, as there can be no assurances that the plans, initiatives or expectations upon which they are based will materialize. Information in this presentation relating to other companies are from public sources believed to be reliable but that have not been independently verified by the Company. Note that sampling results are not necessarily representative of the likelihood of mineralization of a project. Readers are cautioned that disclosure of any potential grades is conceptual in nature; there has been insufficient exploration by Atlas Lithium at its Minas Gerais Lithium Project to define a mineral resource or mineral reserve estimate. This presentation and any oral presentation accompanying it shall not constitute an offer to sell or a solicitation of an offer to buy any securities of the Company or as an inducement to make an offer or invitation with respect to any securities.

Qualified Person's Statement

Unless otherwise indicated, the scientific and technical information in this presentation has been reviewed and approved by Areli Nogueira, who is a Qualified Person for Lithium as such term is defined in Item 1300 of the U.S.'s Regulation S-K. Areli Nogueira is the Vice President of Mineral Exploration for Atlas Lithium.

Key Stock Highlights

Ticker	Units	Nasdaq: ATLX
Share Price	*US$*	*5.24*
Outstanding Shares	*#*	*16,856,001*
Market Cap	***US$ mm***	***88.3***
52-Week High	*US$*	*20.00*
52-Week Low	*US$*	*4.87*

Source: Company Financial Reports, FactSet (10-March-2025)

Select Institutional Shareholders

Analyst Coverage

Firm	Analyst	Recommendation	Target Price (US$)
AGP	Jake Sekelsky	Buy	30.00
HCW H.C.WAINWRIGHT&CO.	Heiko F. Ihle	Buy	19.00

Summary Highlights of Minas Gerais Lithium Project

1. ***Positioned to Become a Very Low-Cost Producer*** – ***Open-pit mining, Brazil's low mining costs***
2. ***Expedited Timeline to Production*** – ***Permits in place, modular processing plant arrived in Brazil in March, 2025***
3. ***Largest Hard-Rock Lithium Exploration Portfolio in Brazil*** – ***Premier lithium jurisdiction with high-quality spodumene and favorable infrastructure***
4. ***Strong Metallurgical Results*** – ***Proven potential for high-quality lithium concentrate***
5. ***Incentivized Management Team*** – ***Management owns ~32% of the company; fully aligned for success***
6. ***Committed Offtake Pre-Payments*** – ***Tier 1 lithium supply chain buyers sourcing product***

Atlas Lithium Minas Gerais Lithium Project

Permitted Project with Clear Path to Production

Highly Supportive Jurisdiction with Proven Lithium Potential

Promising Drilling & Metallurgical Results

Strong ESG Credentials with Clear Environmental and Social Benefits

Additional Exploration Upside Supporting Phase II Expansion

468 km²

Minas Gerais Lithium Project Area

5.23% Li_2O

Top Intersect Grade at 9 Meters Depth

~150ktpa

Spodumene Concentrate Targeted Production for Phase I

Strategic Partnerships with Tier 1 Global Partners

Dec-23

Strategic Investment and Pre-payment Offtake Agreement with Chengxin / Yahua

盛新锂能 CHENGXIN LITHIUM — ***BYD supplier***

YAHUA — ***Tesla supplier***

US$10mm	US$40mm	120k[1]
In common shares acquired *(received)*	***Prepayment for the offtake of 80% of phase 1*** *(expected)*	***Phase 1 lithium concentrate offtake***

Mar-24

Strategic Investment and Offtake Agreement with Mitsui & Co.

MITSUI & CO. — ***Global powerhouse; largest shareholder of Mitsui is Warren Buffett's Berkshire Hathaway***

US$30mm	15k tons	60k tons / y[2]
In common shares acquired *(received)*	***Phase 1 lithium concentrate offtake***	***Phase 2 lithium concentrate offtake***

Source: Company's Filings
Note: [1] Total amount of lithium divided equally between partners (60k tons for each). [2] For a period of five years

ATLAS LITHIUM

Large global partners validate Atlas Lithium's business model, assets, and team

US$80mm in Total Investment:

- **US$40mm in Atlas Lithium stock purchases** (received)
- **US$40mm in lithium product pre-payment** (expected)

Neves Project Has Already Received All Permits Needed to Assemble its Processing Plant and Operate

The permit allows for the assemble and operation of its lithium processing plant, to process mined ore from one of its deposits at the facility, and to sell the lithium concentrate that it produces

Permitting approval in just over year demonstrates management efficiency and capability in navigating in government approval processes

Source: Company's Filings

Marc Fogassa
Chairman & CEO

"We are thrilled with today's announcement, as permitting is widely considered the most critical risk in any mining project. Atlas Lithium's permit reflects fourteen months of our team's meticulous work throughout the licensing process (...). This milestone marks a key step for us towards becoming a lithium producer and advances Atlas Lithium into the next phase of our growth trajectory"

Rodrigo Menck
Director

"We are committed to being a responsible corporate citizen for all our stakeholders. With the news provided today, and as the Neves Project proceeds towards implantation and operation, Atlas Lithium will create hundreds of local jobs in the Vale do Jequitinhonha area of Minas Gerais. Additionally, our lithium processing plant is engineered to possibly achieve the smallest environmental footprint in its class"

Experienced Management Team

Marc Fogassa
Chairman & CEO

- ✓ Fluent in Portuguese, the language of Brazil, where projects are located
- ✓ MIT, double-major undergraduate; Harvard MBA

Tiago Miranda
CFO & Treasurer

- ✓ 18-yr experience in finance/accounting
- ✓ Previously Financial Controller of Ferrous Resources ($550M M&A with Vale) and Equinox Gold Brazil; Finance Director of Horizonte Minerals ($650M Project Finance)

Lili Wu
Head of Business Development, Asia

- ✓ Over seven years of experience in the lithium and battery materials industry
- ✓ Previously Global Principal Lithium Analyst at IHS Markit (now part of S&P Global)
- ✓ Native Mandarin Chinese speaker with extensive networks across Asian markets

Areli Nogueira
VP, Mineral Exploration

- ✓ Founder and former Chief Technical Officer of MineXplore
- ✓ Analyst at the Brazilian mining department

Gary Guyton
VP, Investor Relations

- ✓ Over a decade of experience in investor relations
- ✓ Previously Director of IR at Comstock Resources, overseeing $4B in M&A transactions
- ✓ Extensive relationships with institutional investors and sell-side analysts

World-Class Technical Team

Eduardo Queiroz

VP, Engineering & PMO

- ✓ Over 20 years of experience managing complex, large-scale mining projects
- ✓ Previously General Manager of Planning and Management at Bamin (Eurasian Resources Group), managing projects over US$3 billion
- ✓ Expertise in engineering oversight, environmental compliance, and risk management

BAMIN

Raimundo Almeida

VP, Lithium Processing

- ✓ 14 years of hands-on experience with lithium ores
- ✓ Managed first flotation pilot plant for AMG Mining
- ✓ Oversaw commissioning and operations of DMS pilot plant for Sigma Lithium

SIGMA LITHIUM

AMG BRASIL

James Schloffer

Lithium Processing Manager

- ✓ 15 years of experience in mining and metals industry, specializing in lithium processing
- ✓ Key roles in major lithium projects including Mt Marion, Bald Hill, and Sigma Lithium
- ✓ Global experience spanning Middle East, Americas, Europe, and Australia

SIGMA LITHIUM

Board of Directors

Marc Fogassa
Chairman & CEO

Rodrigo Menck
Director

- ✓ Previously was CFO of Sigma Lithium and Nexa Resources
- ✓ Has more than 20 years of experience in the Financial Markets and Natural Resources

Roger Noriega
Independent Director

- ✓ Nominated by President George W. Bush Assistant Secretary of State
- ✓ Founder and managing director of Visión Américas

Cassi Olson, Esq.
Independent Director

- ✓ Extensive experience in global contracts and venture transactions
- ✓ Attorney, Ellenoff Grossman & Schole LP

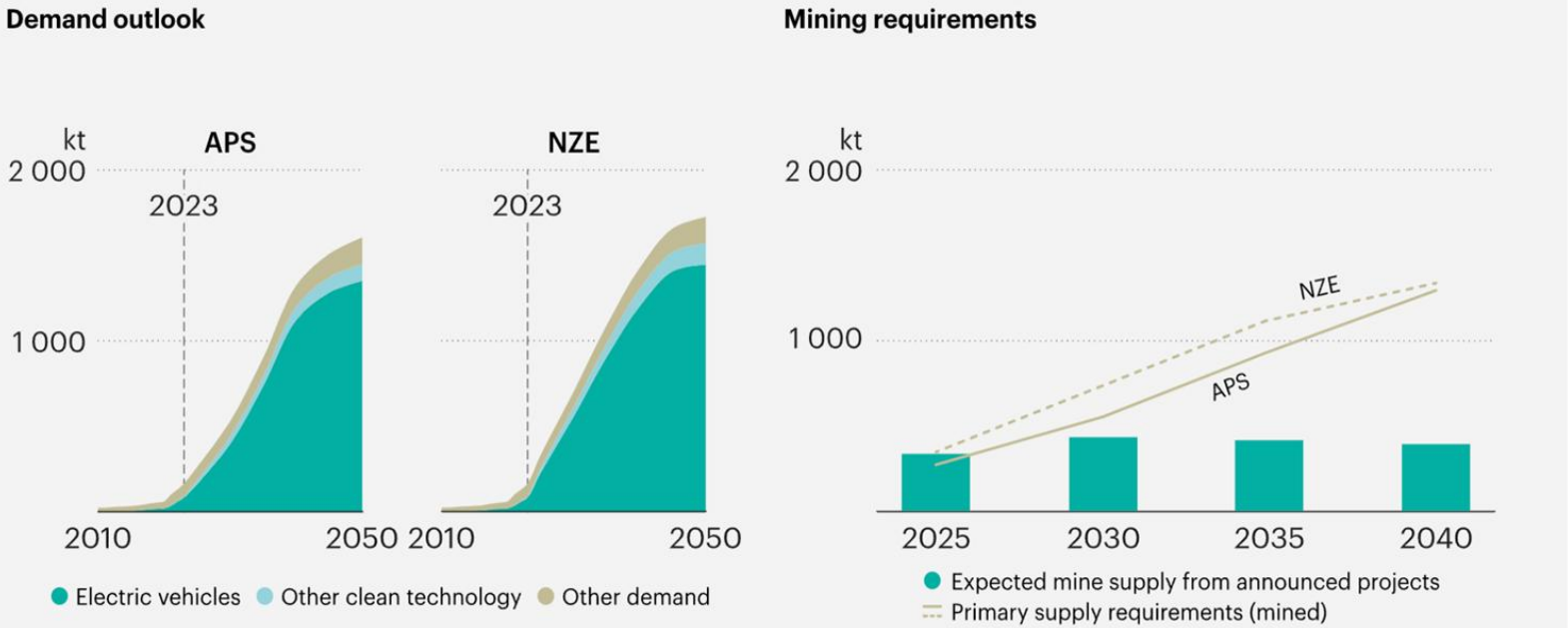
Stephen Petersen, CFA
Independent Director

- ✓ 32-yr career at Fidelity serving as portfolio manager of multiple equity funds
- ✓ Managing director at Prior Wealth, $3B in assets under management

Favorable Structural Fundamentals Supporting Lithium Demand

Lithium Demand

Source: International Energy Agency (May 2024)

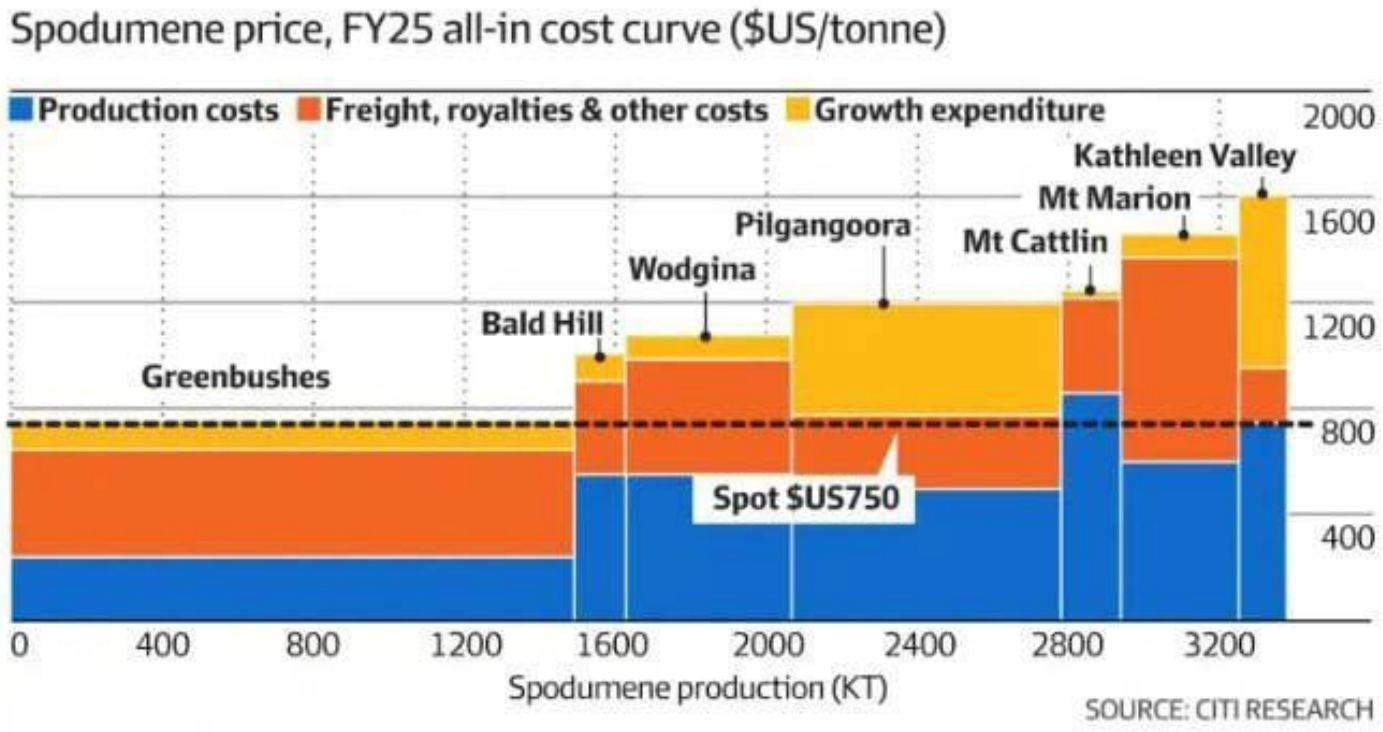


Milestones (APS)	2021	2023	2030	2040
Cleantech demand (kt)	**38**	**92**	**442**	**1 203**
Other uses (kt)	63	73	90	123
Total demand (kt)	**101**	**165**	**531**	**1 326**

Source: Nasdaq; International Energy Agency (IEA); BloombergNEF; McKinsey & Company; Reuters; Woodmack;

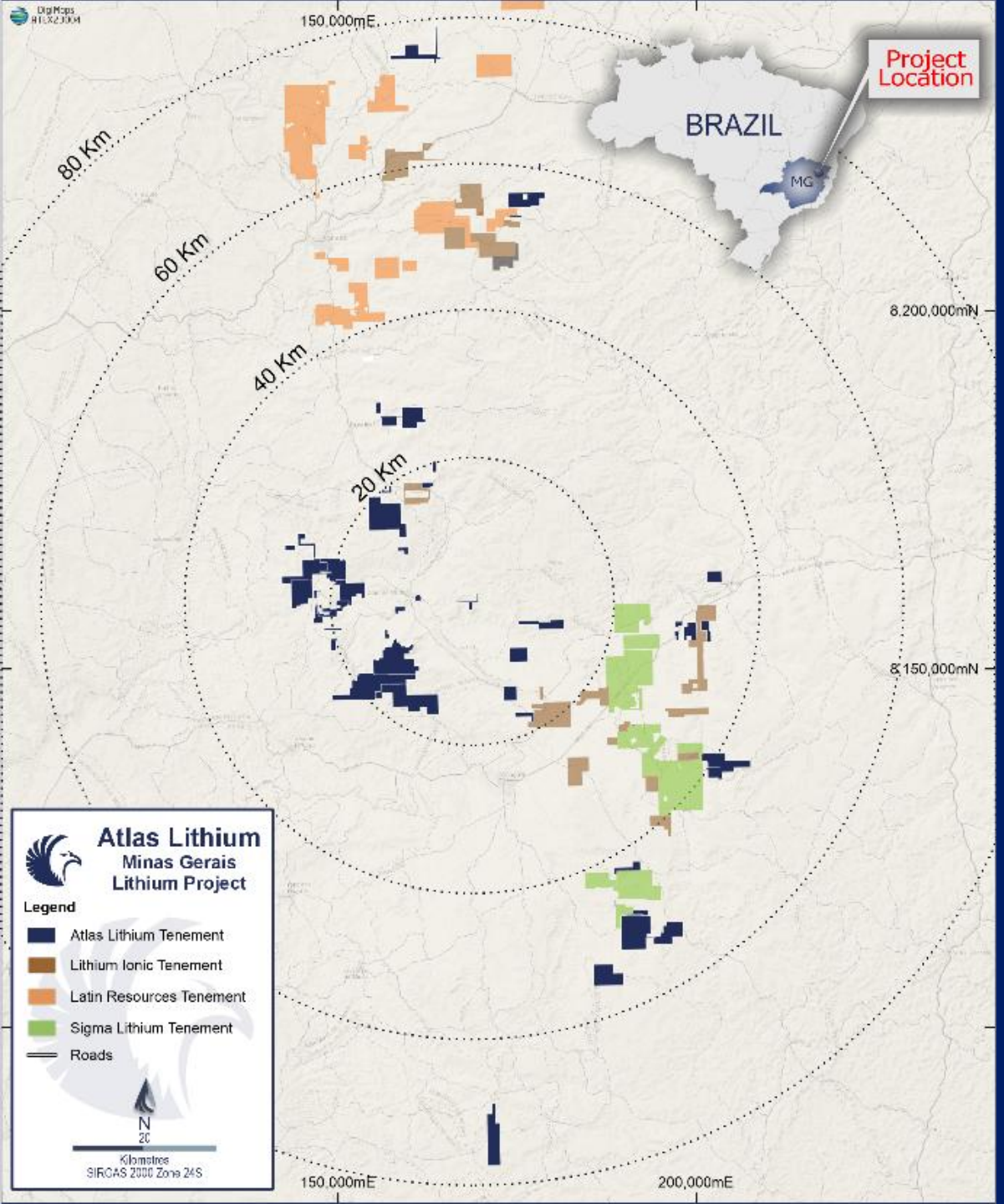
- McKinsey and the Global Battery Alliance forecast a 27% compound annual growth rate (CAGR) on demand for Lithium-ion batteries, reaching 4,700 GWh by 2030
- Woodmack forecasts USA EV sales will grow 643% from 2022 to 2030
  - ✓ Will more than double its participation in global EV sales (9.0% to 18.5%)

Low-Cost Production: Key to Long-Term Success



- Atlas Lithium holds several promising deposits one of which is projected to have production costs in the mid-US$400/tonne range
- Brazil's advantages include year-round mining operations, lower labor costs, and a supportive government
- Brazil's lithium industry outperforms Australian producers on costs; Pilbara Mineral's US$370M acquisition of a Brazilian lithium explorer in August 2024 highlights our region's importance

Neighboring Minas Gerais Site



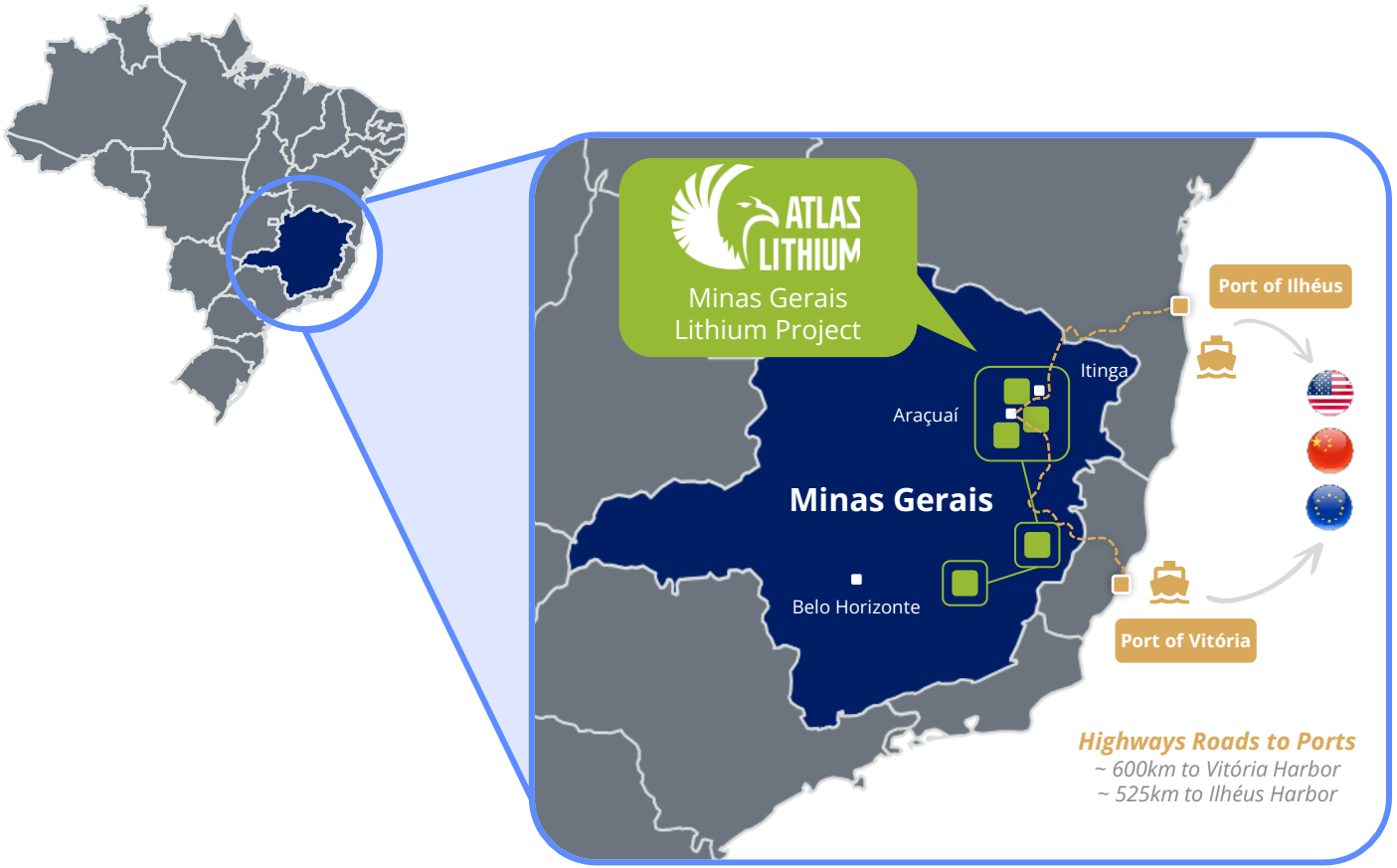
- ✓ Atlas Lithium holds **85** mineral rights spread over **468 km²**
- ✓ Several of these mineral rights are adjacent to Sigma Lithium Corporation, a lithium producer in Brazil's Lithium Valley

Source: Agência Nacional de Mineração, the Brazilian Mining Department

Note: The details of projects near or adjacent to the Company's projects are set out for information purposes only and not a guarantee or an indication of the productivity or the geology of the Company's projects.

Highly Attractive Location

Located in Brazil's Lithium Valley, a premier lithium jurisdiction with high quality spodumene deposits, efficient permitting process and favorable infrastructure



Resource Potential to Support Large Scale Operations

- ✓ *The Brazilian Geological Service (CPRM) suggested that the region has at least 45 lithium deposits*
- ✓ *Adjacent to operational lithium mines in the region such as Sigma Lithium and CBL*

Licensing Fast Track to Speed up Project Execution – Atlas with Permits in Place

- ✓ *Minas Gerais government created a fast-track process, under the InvestMinas Program, to facilitate project development and allow for licensing to be given within 6 months*
- ✓ *Mining friendly jurisdiction: 300+ operating mines in the state of Minas Gerais*

Favorable Infrastructure

- ✓ *Access to abundant renewable & clean energy sources and highway roads directly connected to intercontinental ports to supply main markets*

Source: Brazilian Geological Service (CPRM), IGNEA BR

Highest ESG Standards with Clear Environmental and Social Benefits

Green Process, Product Quality and Ongoing Initiatives Highlights Clear Carbon Footprint Benefits within the Project

- *Targeting Use of **Renewable Energy Source***
- *100% Dry Process with **No Tailings Dams***
- *Use of **Recycled Water***
- *Concentration Process with **No Hazardous Chemicals***
- *Supply the Battery Industry to **Support Energy Transition Globally***
- ***Planted over 6,000 Trees** of Diverse Types to Benefit Local Population*

Clear Benefits to the Local Community

- ✓ *Private and public partnership to support **development of the region, among the poorest in the state of Minas Gerais***
- ✓ ***Creation of jobs** to benefit population of Vale do Jequitinhonha*
- ✓ ***Infrastructure projects** to benefit the Vale do Jequitinhonha **improving living conditions and reducing inequality***

Promising Drilling and Metallurgical Results

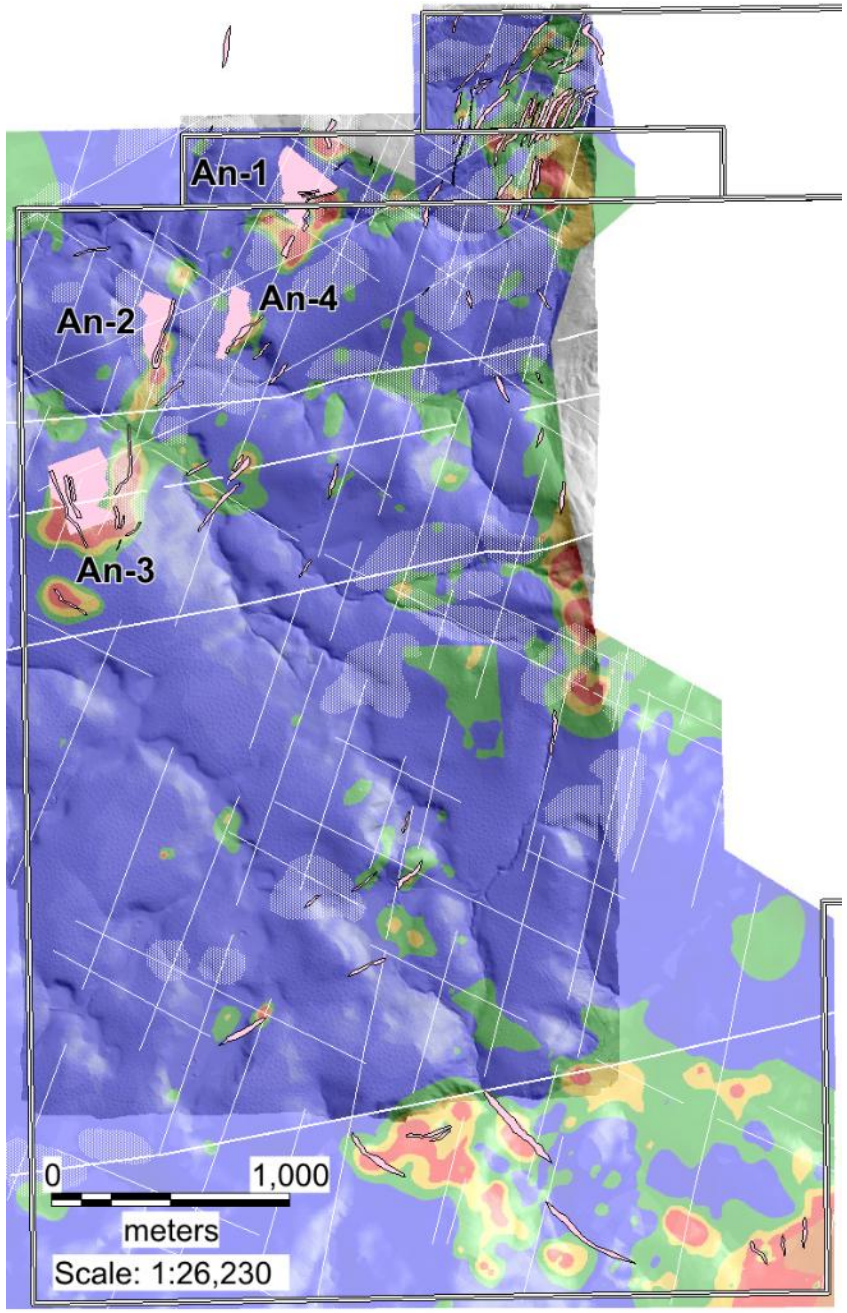
Neves Project Drilling

- ✓ *Within the Neves Project area,* ***84 pegmatite outcrops have been mapped and sampled*** *so far*
- ✓ *Promising lithium-bearing areas identified* ***near the surface, expanding mining prospects***
- ✓ *>80,000 meters drilled with some targets yielding* ***intersects of up to 5.23% Li_2O***
- ✓ *Drill holes reveal* ***significant mineralized spodumene at shallow depths****, with potential for* ***open pit mining***

Metallurgical Tests

- ✓ *Metallurgical Testwork at SGS laboratory using* ***HLS showed ability to concentrate our lithium samples to 7.22% Li_2O grade****, while composite* ***grade was 1.53% Li_2O, mainly as spodumene***
  - *HLS projections were confirmed in a short continuous DMS pilot plant campaign*
- ✓ *DMS plus magnetic separation on the 2nd pass DMS sinks produced a* ***final spodumene concentrate grading of 6.04% Li_2O with only 0.53% Fe_2O_3***
- ✓ *Lithium recovery rates ranged* ***between 70% and 85%***
- ✓ *Results were achieved* ***without the use of flotation technique***

Exploration Upside at Neves Project



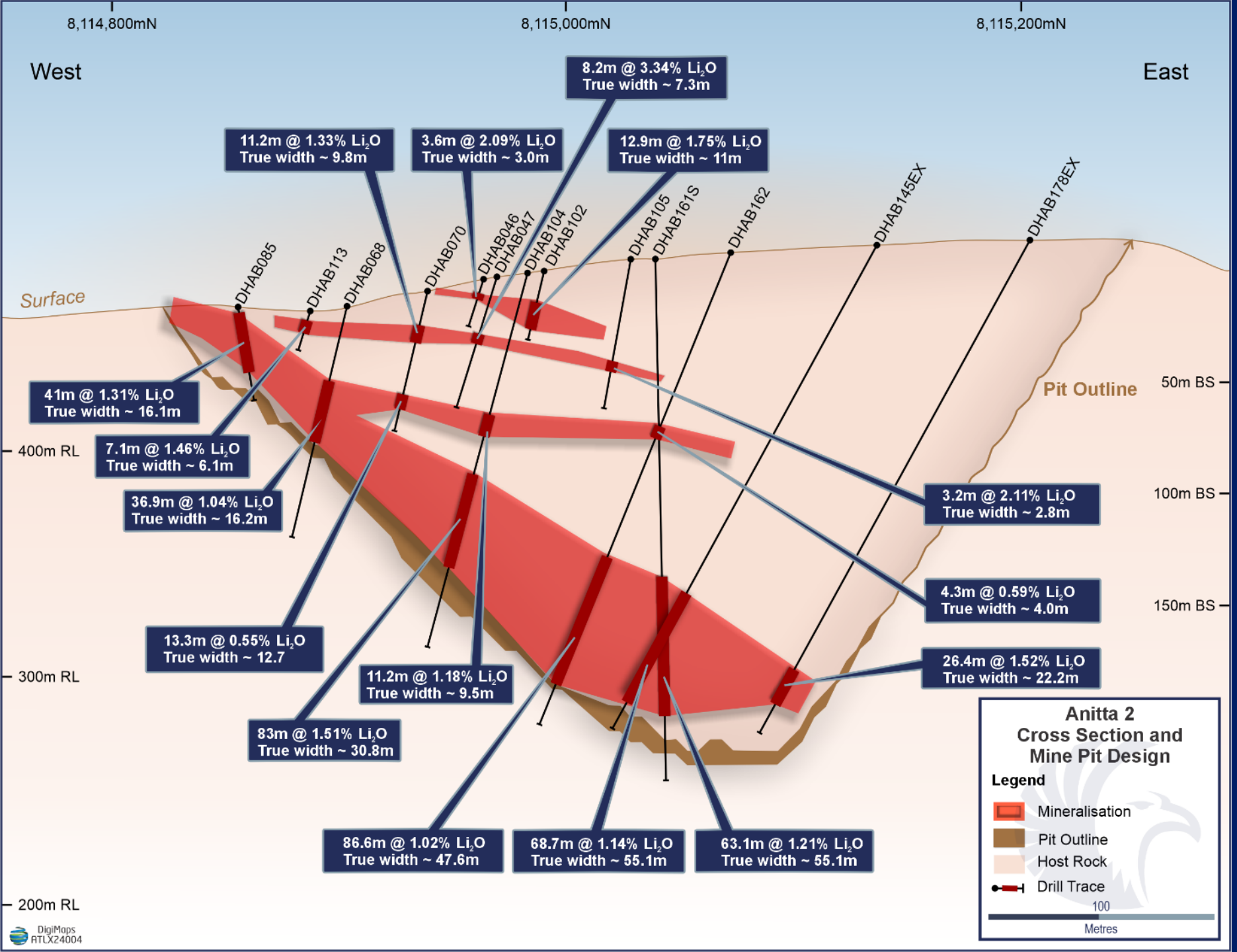
Soil sampling lithium anomaly map in relation to mapped pegmatites (pink), the mineralized Anitta pegmatites, topography, and structural geophysics data.

Several promising targets already identified in the Neves region, with potential to support the **development of Phase II and extend LOM**

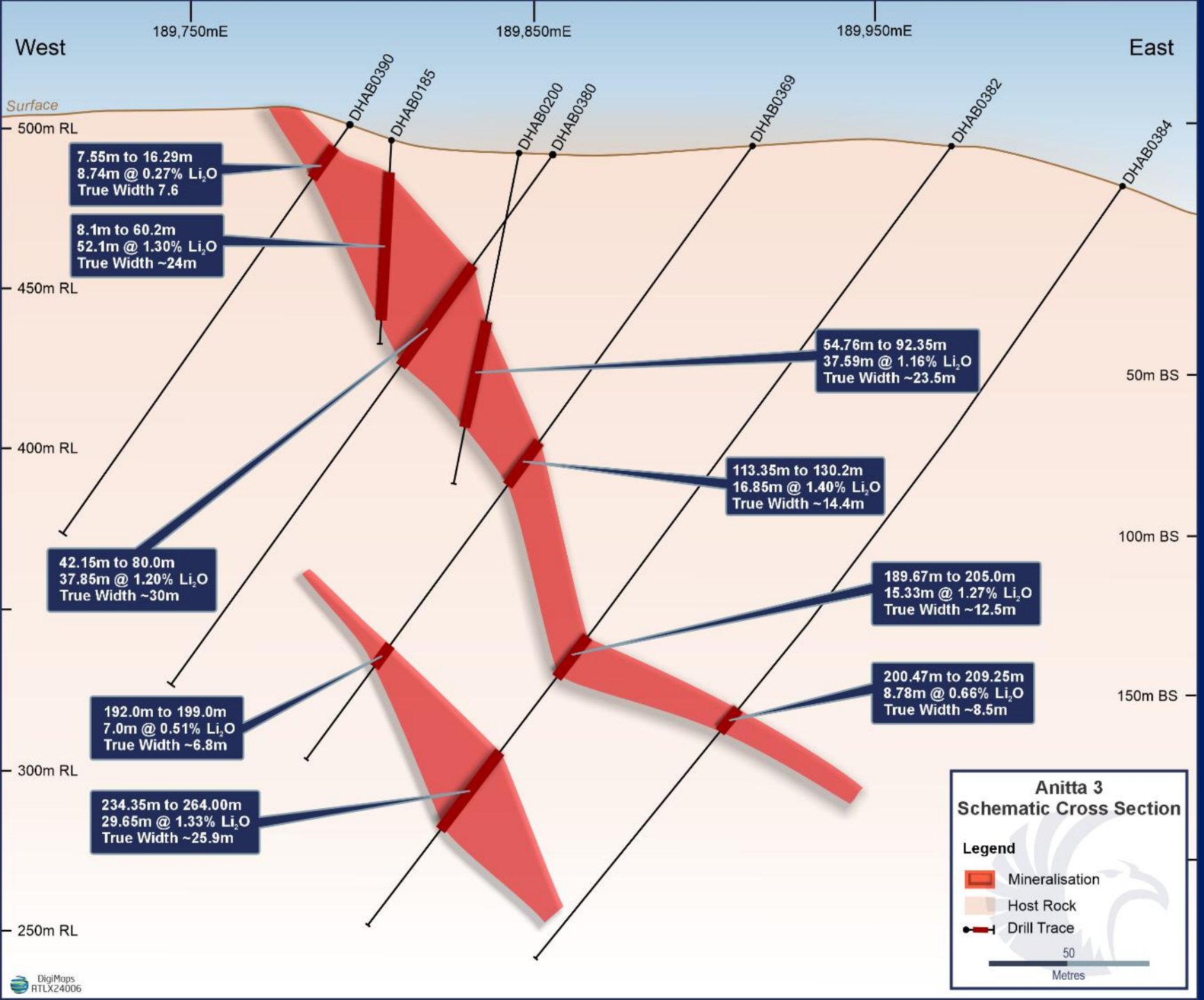
84 pegmatite outcrops have been mapped and sampled

The Project Area has now been covered by:

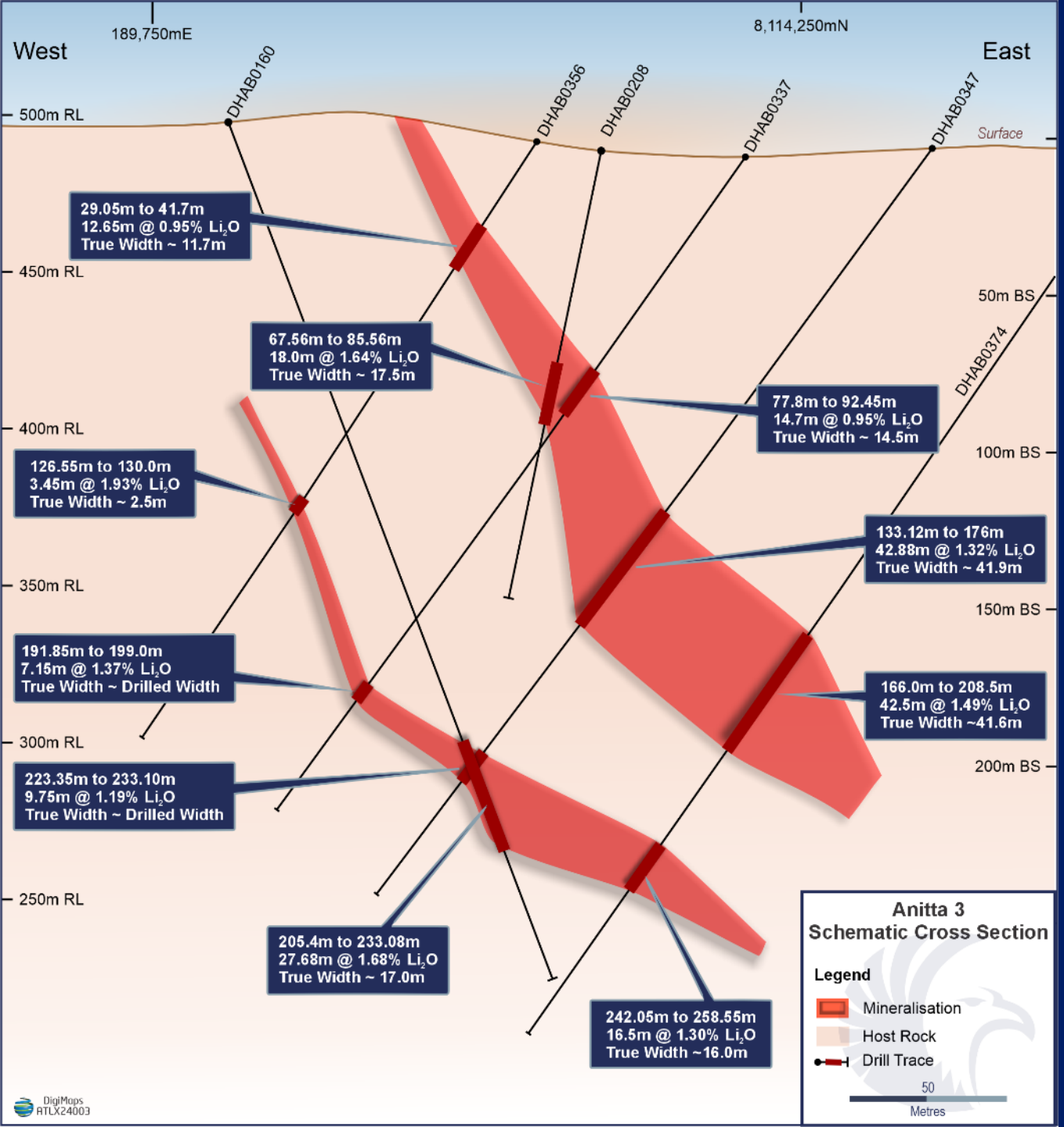
- Detailed hyperspectral satellite and drone LiDAR mapping to aid in faster pegmatite discovery;
- Geological mapping and rock sampling, including K/Rb ratio analysis, to improve target prioritization;
- Closely spaced soil sampling grids, with over 4,500 samples taken to date, to highlight Li (>100ppm threshold) and LCT pegmatite pathfinder anomalies for drill testing;
- High-resolution drone geophysics surveys, including magnetics and radiometrics, to assist with mapping and drill targeting.



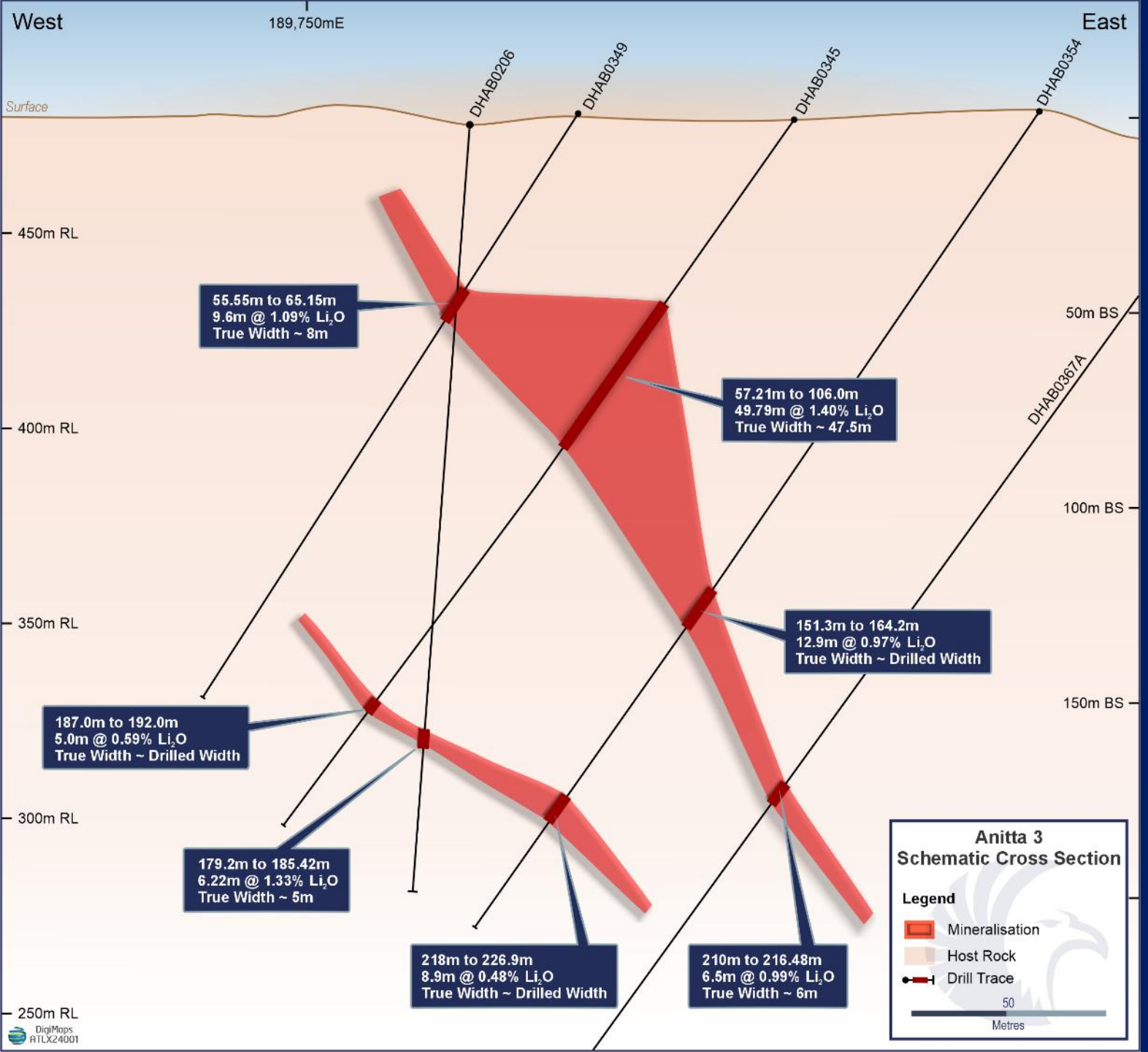
Anitta 2 Cross Section and Pit



Anitta 3 Cross Section 1/3



Anitta 3 Cross Section 2/3



Anitta 3 Cross Section 3/3

Modular Plant Trial Assembly

Atlas Lithium's Modular Processing Arrived in Brazil in March, 2025

- ✓ *The efficient modular plant design, first for Brazil's lithium industry, streamlines transportation, installation, and commissioning*
- ✓ *Expedited construction of the modular processing plant is a key step in Atlas Lithium's strategy with ability to rapidly advance to production*

Appendix

Photos: Atlas Lithium's Modular DMS Plant

Arrived in Brazil in March, 2025


T17

ATLAS LITHIUM


SCREENING
AREA


Metso:Outotec
MALVERN

ATLAS LITHIUM

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