



**DEVELOPING BATTERY  
MINERAL PROJECTS FOR  
A DECARBONISED FUTURE**

**INVESTOR PRESENTATION**

**July 2023**

**ASX:SUM**

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# INVESTMENT HIGHLIGHTS



Strategic battery mineral projects across multiple battery metals and critical commodities

- Castor Lithium Project – James Bay, Quebec, Canada
- Stallion REE Project – Western Australia
- Ahmed Antimony Project – Central Morocco
- Phillips River Lithium Project, Ravensthorpe



Strong newsflow catalysts with exploration programs running across multiple projects



Share price leveraged to early exploration success



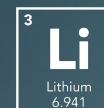
## Who we are

**Summit Minerals Ltd (ASX: SUM)** is an ASX-listed mineral exploration company driving shareholder value by exploring for highly prospective battery minerals – Lithium, Rare Earth Elements and Antimony.

### Capital Structure

ASX Code	SUM
Shares on Issue	52.04m
Options	32.61m
Share Price (26 July '23)	\$0.14
Market Capitalisation (Undiluted)	\$7.29m
Cash (31 March '23)	\$2.99m
Enterprise Value	\$4.30m
Top 20 Shareholders	52.08%

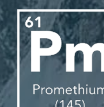
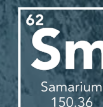
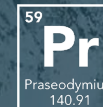
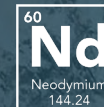
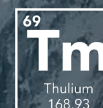
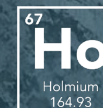
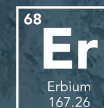
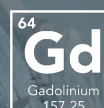
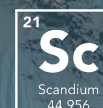
### Lithium



### Antimony



### Rare Earth Elements





# CASTOR LITHIUM PROJECT JAMES BAY, QUEBEC, CANADA

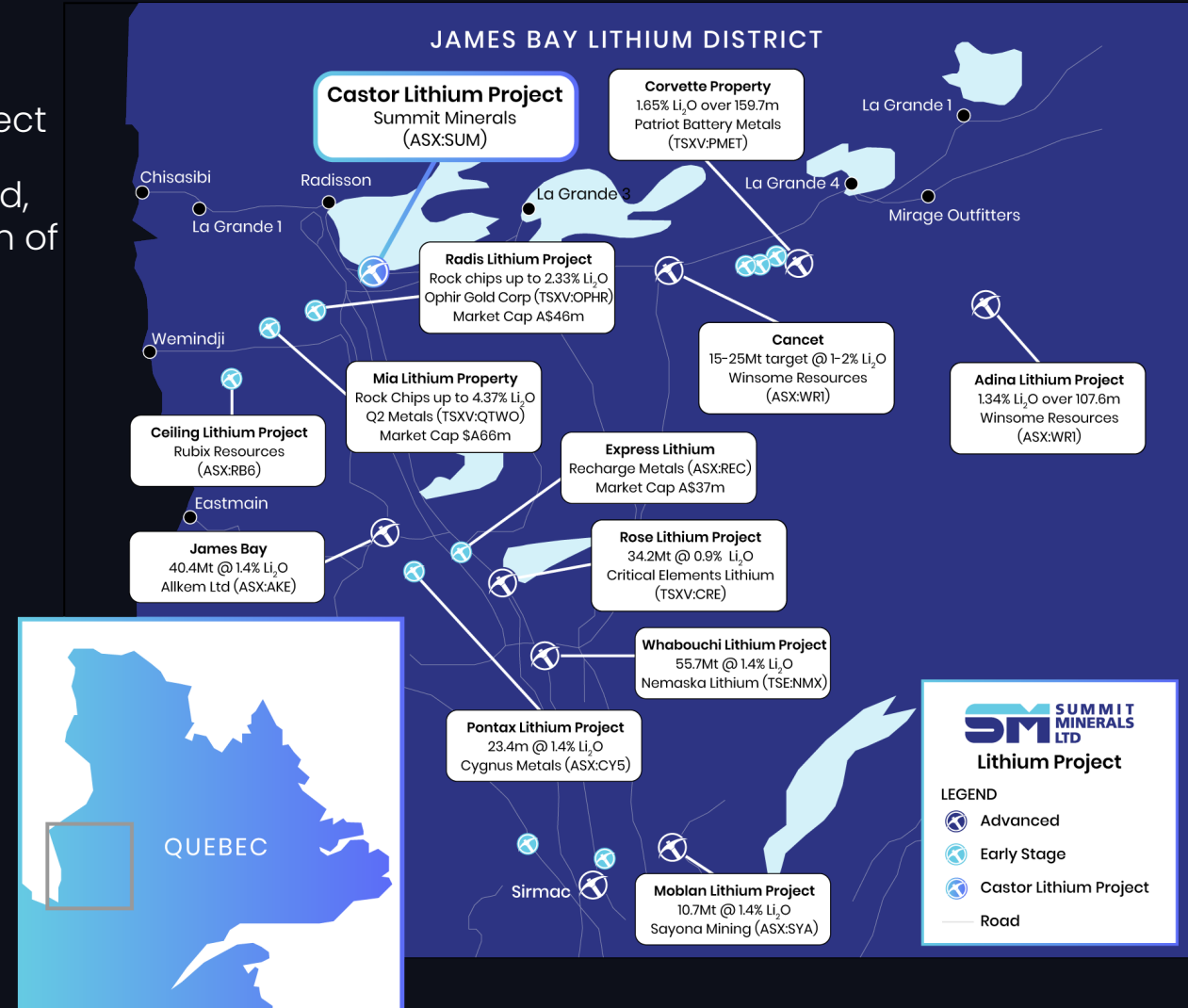


## A Strategic Acquisition

- Binding option agreement – 80% of the Castor Lithium Project
- Close to major infrastructure: the all-weather James Bay Rd, 30km from the Grand River Airport and 60km from the town of Radisson
- Fires lie east and south of Castor – project not impacted

## In Country Partners

- Project vendors include:
  - DG Resource Management (DGRM/Jody Dahrouge) – vended the Corvette Property to Patriot Battery Metals
  - Mining entrepreneur Kal Malhi of Bullrun Capital
- Dahrouge Geological Consulting (DGC), contracted to provide management and exploration services



<https://www.q2metals.com/news/queensland-announces-sampling-results-averaging-2-65-li2o-from-the-mia-li-1-occurrence-at-its-mia-lithium-property-in-quebec-canada/>  
[https://www.ophirgoldcorp.com/\\_files/ugd/a3d41d\\_55d0679541e2464cab34d595789218ed.pdf](https://www.ophirgoldcorp.com/_files/ugd/a3d41d_55d0679541e2464cab34d595789218ed.pdf)  
 James Bay Lithium Project Feasibility Study & Maiden Ore Reserve ASX / TSX RELEASE - 21 December 2021  
 Nemaska Lithium Inc, NI43-101 Technical Report Aug 2019

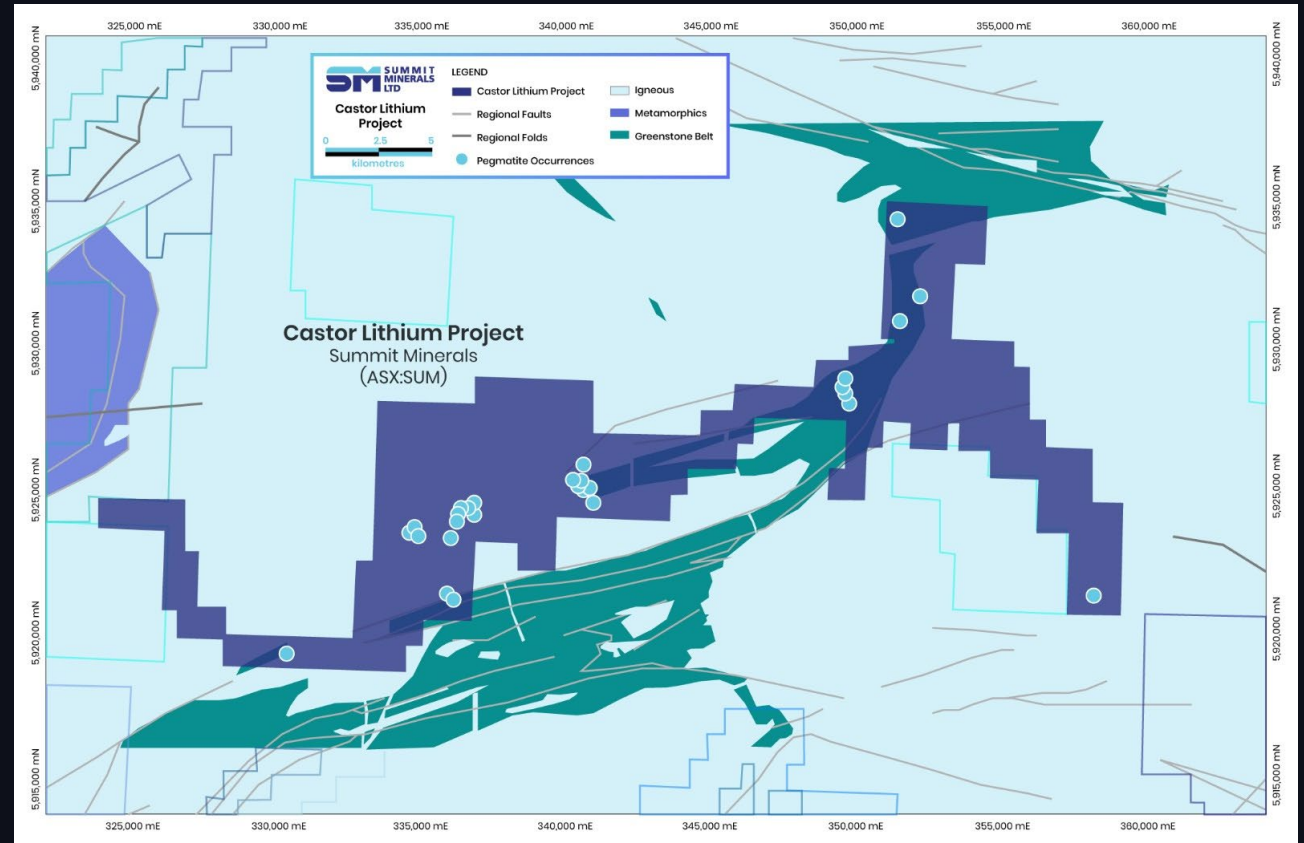


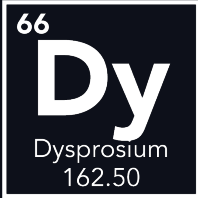
# CASTOR LITHIUM PROJECT JAMES BAY, QUEBEC, CANADA



## Yasinski Lake Greenstone Belt

- Covers 118km<sup>2</sup> of the same greenstone belt which hosts lithium mineralisation at:
  - Q2 Metals' Mia Lithium Project (up to 4.37% Li<sub>2</sub>O)
  - Ophir Gold's Radis Lithium Project (up to 2.33% Li<sub>2</sub>O)
- Impressive 33km strike length of the Yasinski Lake Greenstone Belt
- Includes several mapped pegmatite occurrences
- The Company's 2023 exploration program has been fully funded through a \$1.5M placement (before costs) to institutional and sophisticated investors.



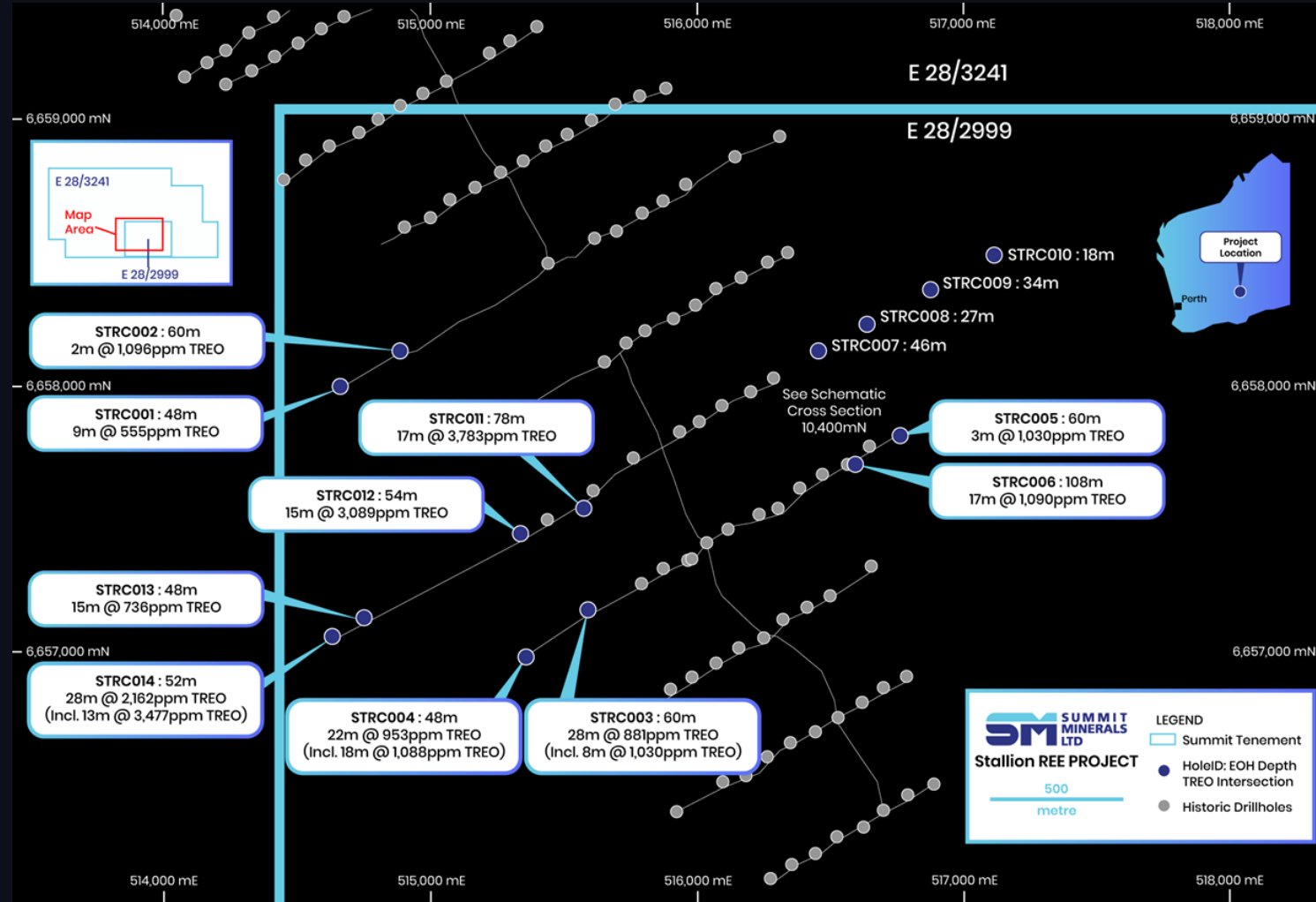


# STALLION RARE EARTHS (REE) PROJECT

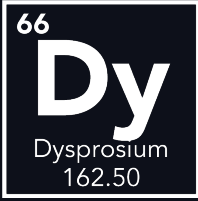


## Project History

- 2010 drilling by Manhattan Corporation (MHC) reported notable REE enrichments
- Historic assays confirm up to 2,666ppm pREO (Partial Rare Earth Oxides -  $CeO_2+La_2O_3+Sc_2O_3+Y_2O_3$ ), only accounting for 4 of the 17 rare earth elements
- Samples previously not assayed for 13 REEs
- Widespread REE-enrichment in the basement granite





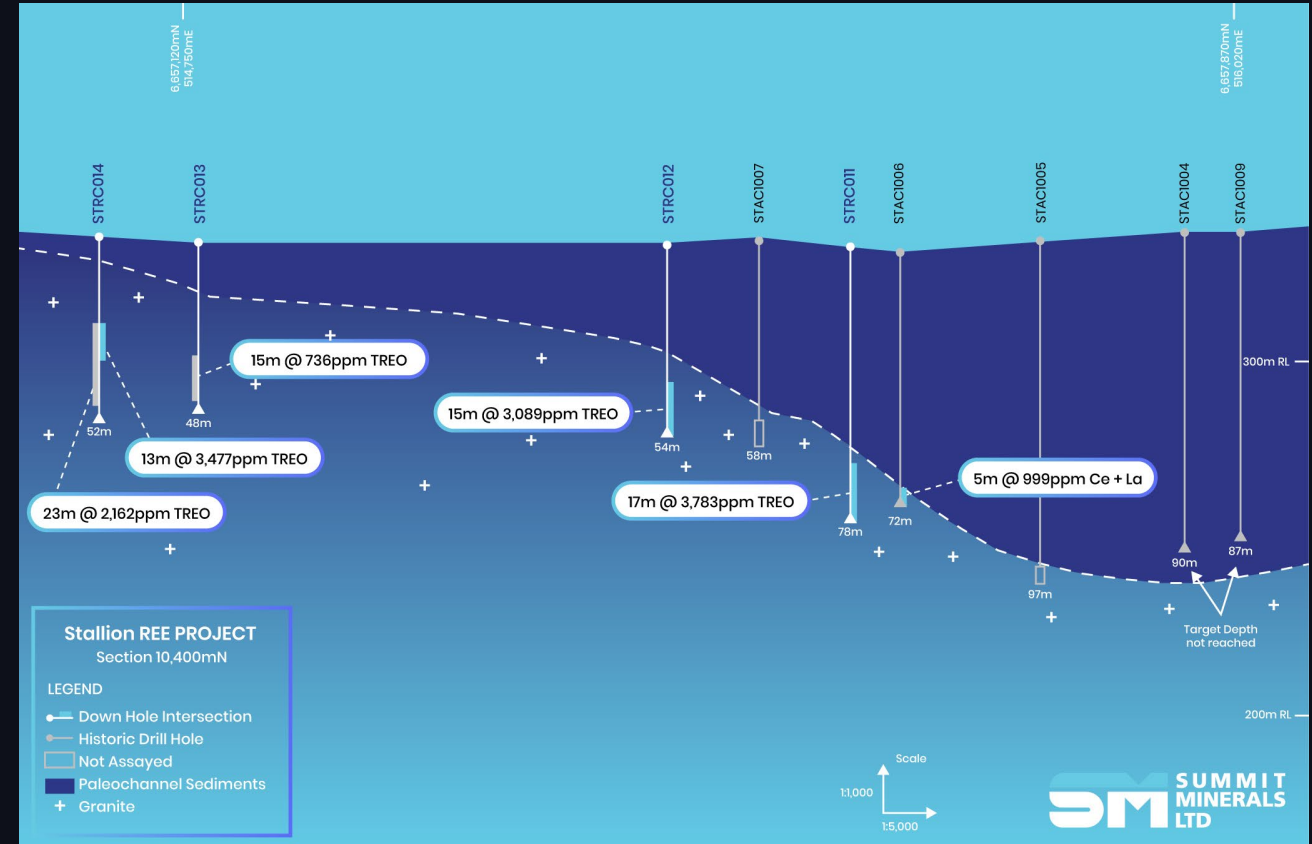


# STALLION RARE EARTHS PHASE 1 DRILLING

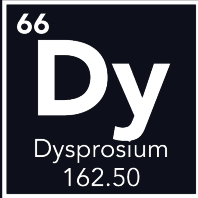


## Exceptional Drilling Results at Stallion

- Best intercepts from the Phase 1 Drilling include:
  - STRC014: 23m @ 2,162.45 ppm TREO from 24m
  - STRC012: 15m @ 3,088.84 ppm TREO from 39m
  - STRC011: 17m @ 3,783.4 ppm TREO from 61m inc. 1m @ 1.52% TREO from 73m
- Outlined a broad, relatively shallow mineralised zone that measures 2km x 2.5km, with a thickness averaging 18m and grade averaging ~1,750ppm TREO
- Critical permanent magnet metals, neodymium (Nd) and praseodymium (Pr), or NdPr, averages 23.63% – substantially above the industry average of ~16%
- The mineralised zone is open in all directions, and only the lack of drilling limits its scale
- Phase 2 drill program completed with final results pending







# STALLION RARE EARTHS PROJECT

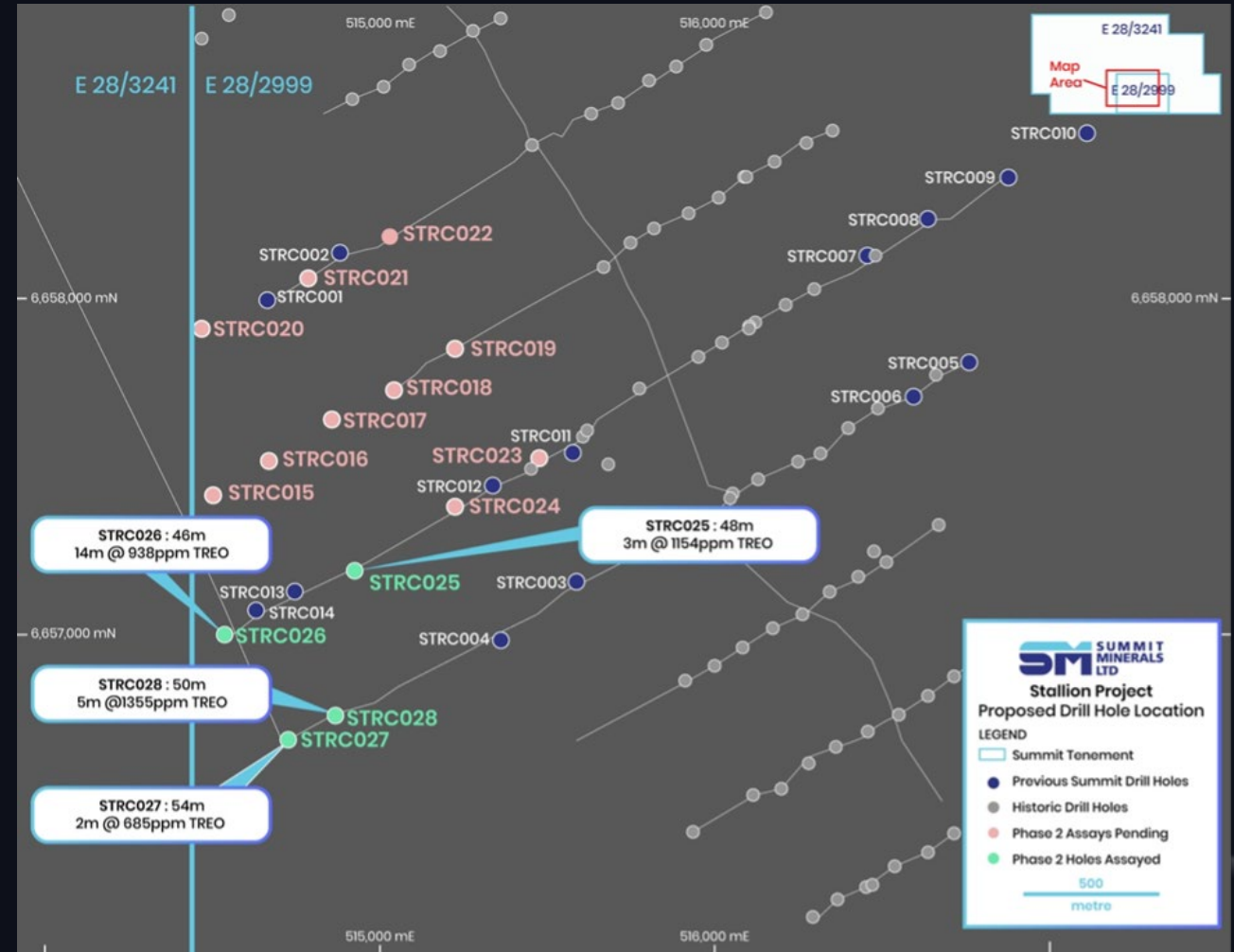


## Phase 2 Drilling Early Results

- Significant new, shallow mineralisation intercepted including:
  - 14m at 938ppm TREO (STRC026)
  - 5m at 1355ppm TREO (STRC028)
- Assay results for 4 of the 14 holes returned, with results for ten priority holes pending and expected shortly

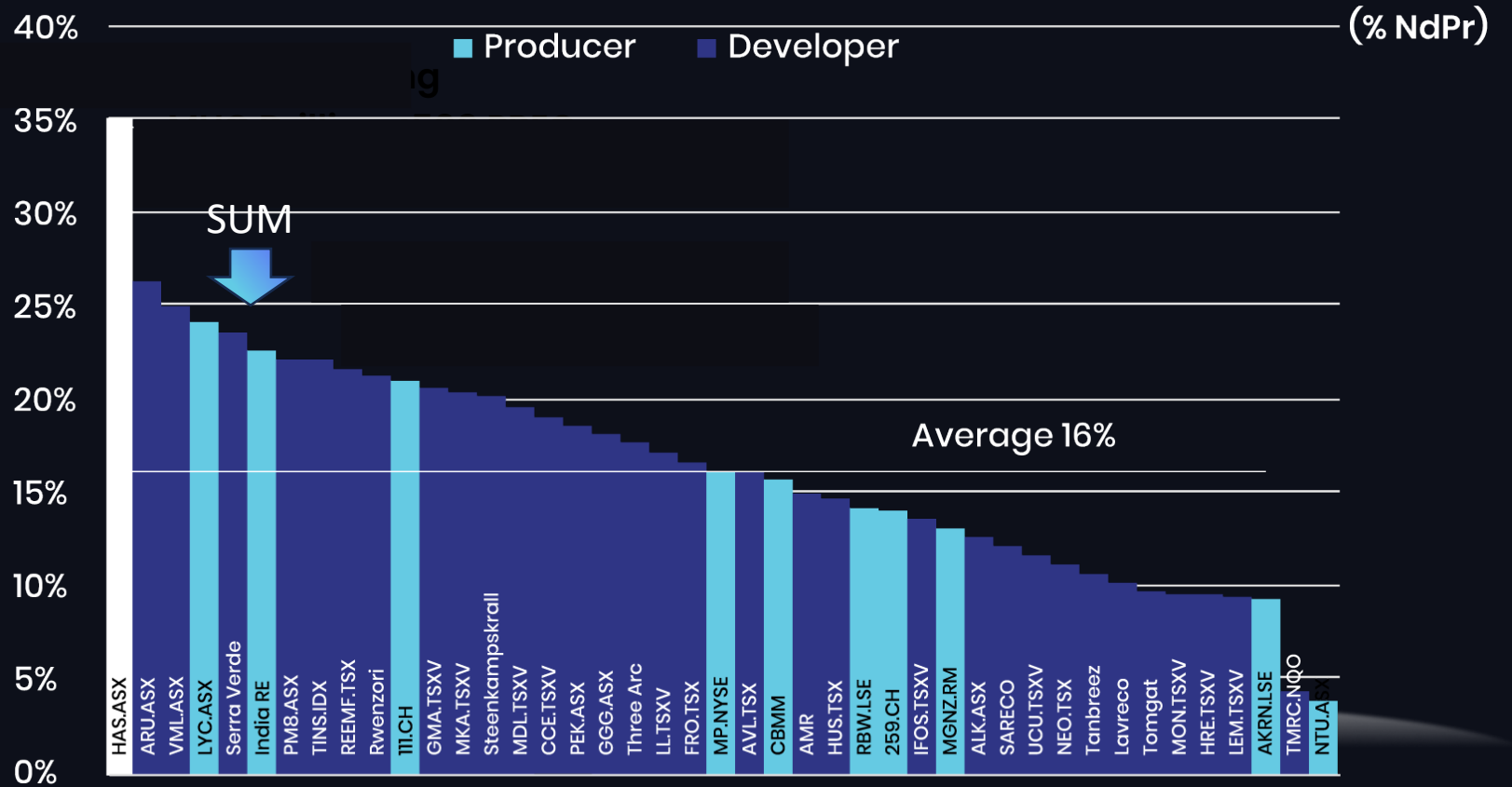
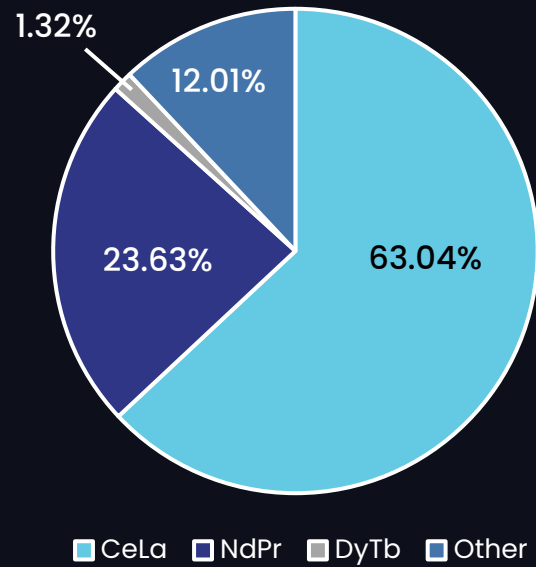
## Future Work

- Maiden Mineral Resource Estimate expected for Stallion upon receiving the balance of the results
- Planning is underway for another extension and infill drilling phase to be conducted in Q3 of this year
- AMSUL (pH ~ 4) leach unsuccessful, moving to stronger digestions (H<sub>2</sub>SO<sub>4</sub>, HCl)



# STALLION RARE EARTHS (REE) SETTING

Key REE Groupings - Stallion

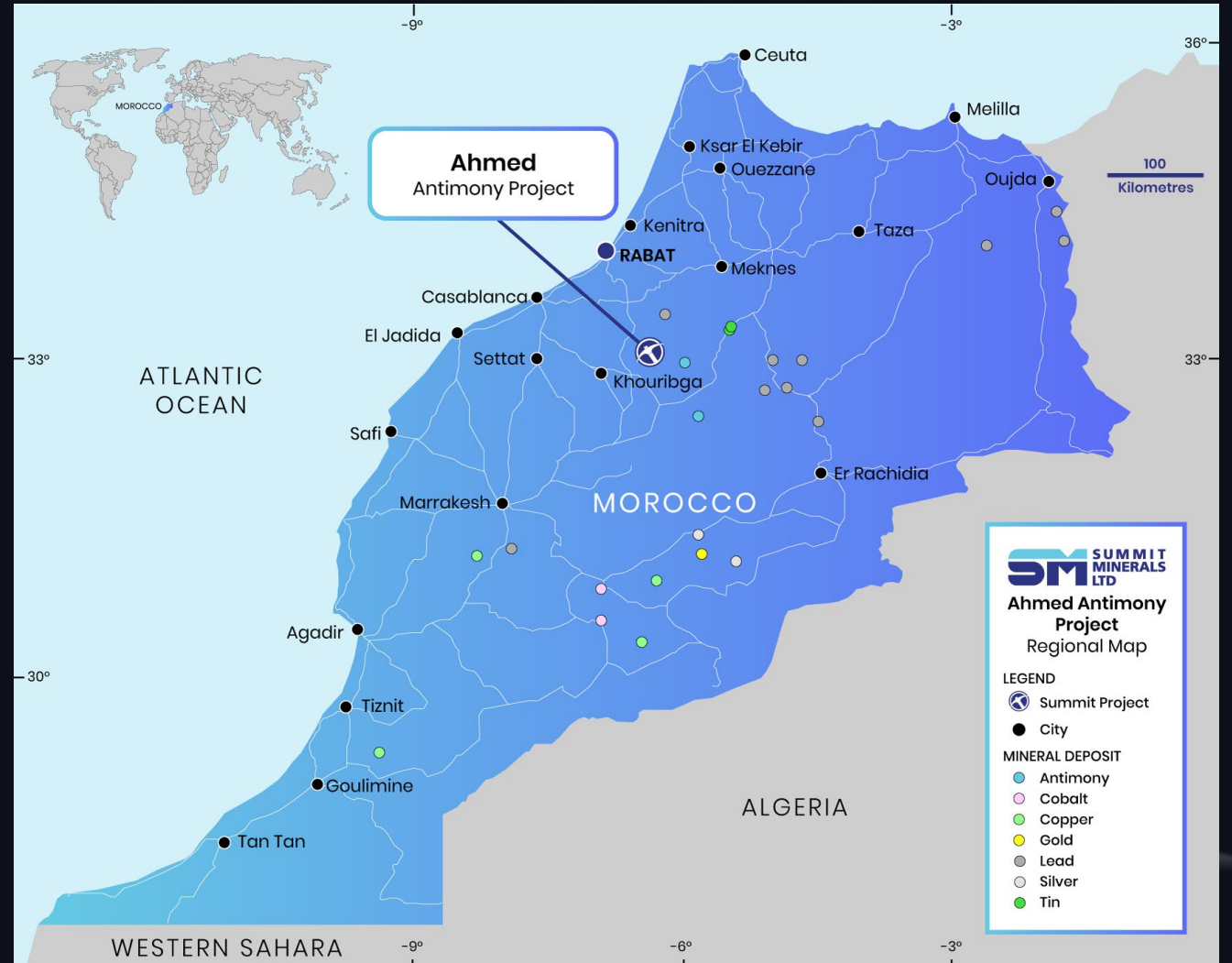




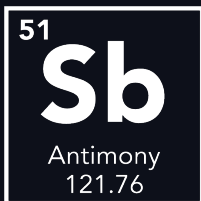
# AHMED HIGH GRADE ANTIMONY PROJECT MOROCCO



- The acquisition provides Summit walk-up drill targets and a significant early mover advantage within a safe jurisdiction with proactive mining regulation
- Outcropping mineralisation in a sheared contact extending over several tens of kilometres and direct shipping antimony grade returned from sampled rocks attest to the mineral prospectivity at Ahmed
- Further opportunities through Morocco's excellent exploration potential across various commodities





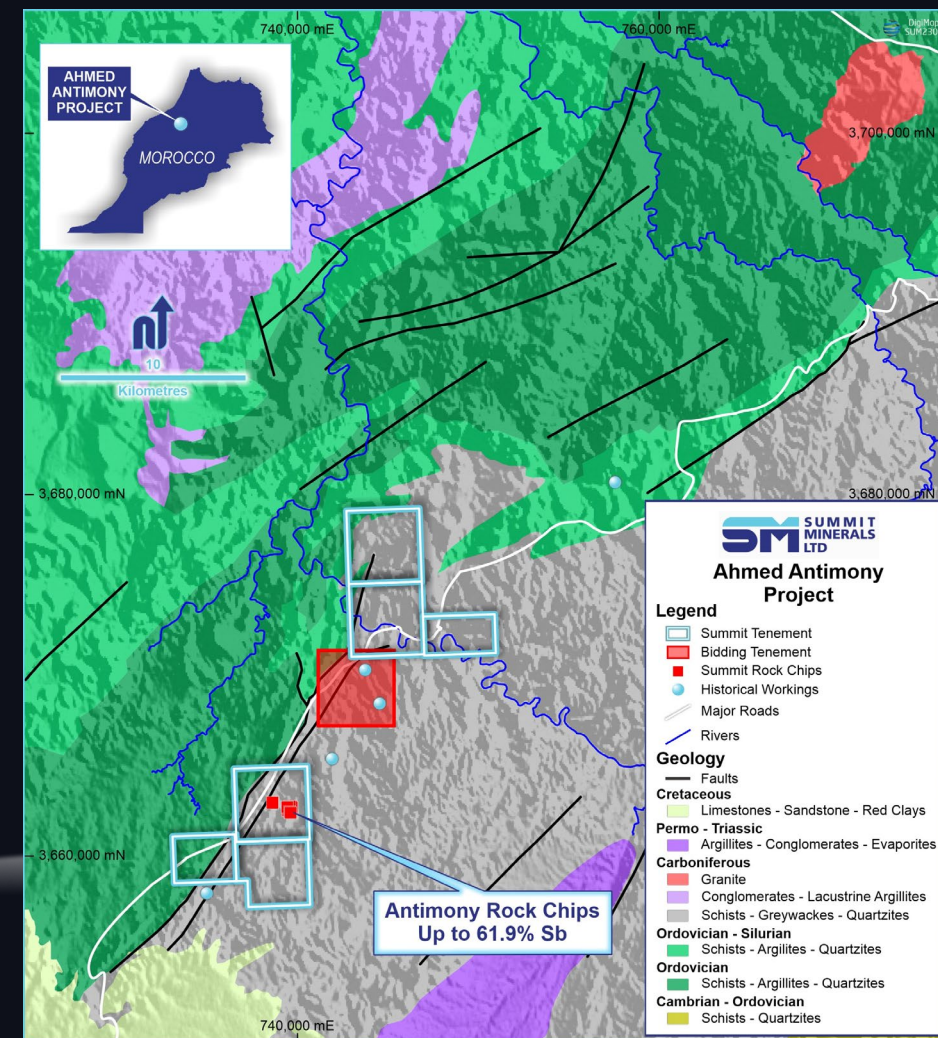


# AHMED HIGH GRADE ANTIMONY PROJECT MOROCCO



## A Strategic Acquisition

- Acquired the high-grade Ahmed Antimony Project, including six (6) exploration licences covering 79 km<sup>2</sup> in central Morocco
- Recent assay results include 61.9%, 44.5%, and 39.4% Sb from rock chip samples, confirming prospectivity and providing immediate drill targets
- Outcropping massive stibnite mineralisation was highlighted by the Company during due diligence
- The project contains several historical and recent artisanal mine workings
- Drill ready with permitted under exploration licenses – to target antimony mineralisation associated with a regional fault.
- Year-round access to the project via sealed and unsealed roads.
- Morocco ranked the best place for mining investment in Africa and the eighth best globally (and the only African country in the top ten) by the 2021 Fraser Institute Survey.



# FOR FURTHER INFORMATION



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