



# Impact Minerals Limited

The New “Playa” in HPA

**impact.**  
MINERALS



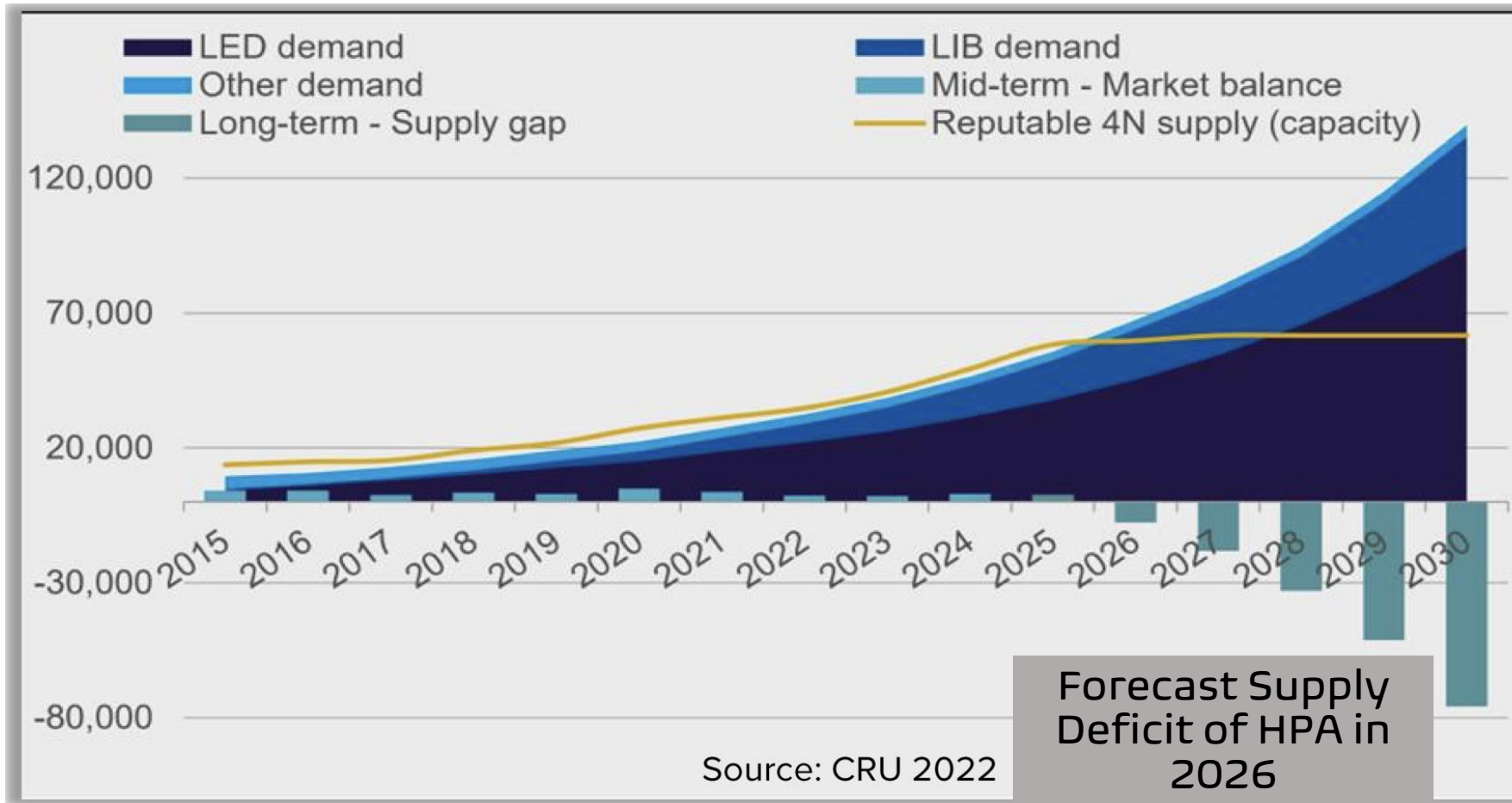
# What lies beneath Lake Hope?



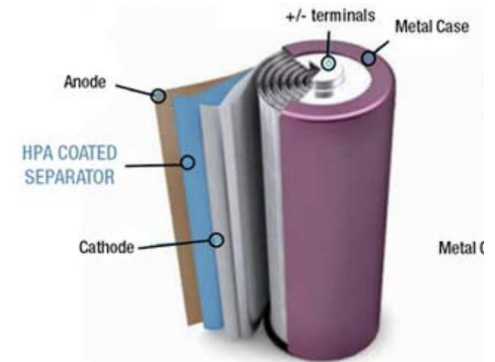
## A Transformational Acquisition



# What is High Purity Alumina (99.99% $\text{Al}_2\text{O}_3$ )?



- Listed on the Australian Critical Minerals List



# What is High Purity Alumina (99.99% Al<sub>2</sub>O<sub>3</sub>) worth?

Purity Grade	Specification	Price Range per tonne	Application
Smelter Grade	99.5%	US\$4,000	Precursor chemical, abrasives
3N HPA	99.9%-99.98%	US\$5,000-US\$15,000	Sapphire, abrasives, catalysts
4N HPA	99.99-99.998%	US\$15,000-US\$25,000	Li-B coatings, sapphire wafer
5N HPA	99.999%	US\$25,000+	Li-B coatings
6N HPA	99.9999%	\$50,000+	Specialty applications

- A High-Margin and High Demand Business

# Maiden Resource: Lake Hope Mud

3.5 Million Tonnes at 25.1%  $\text{Al}_2\text{O}_3$  for a contained 880,000 Tonnes of  $\text{Al}_2\text{O}_3$  (Alumina).

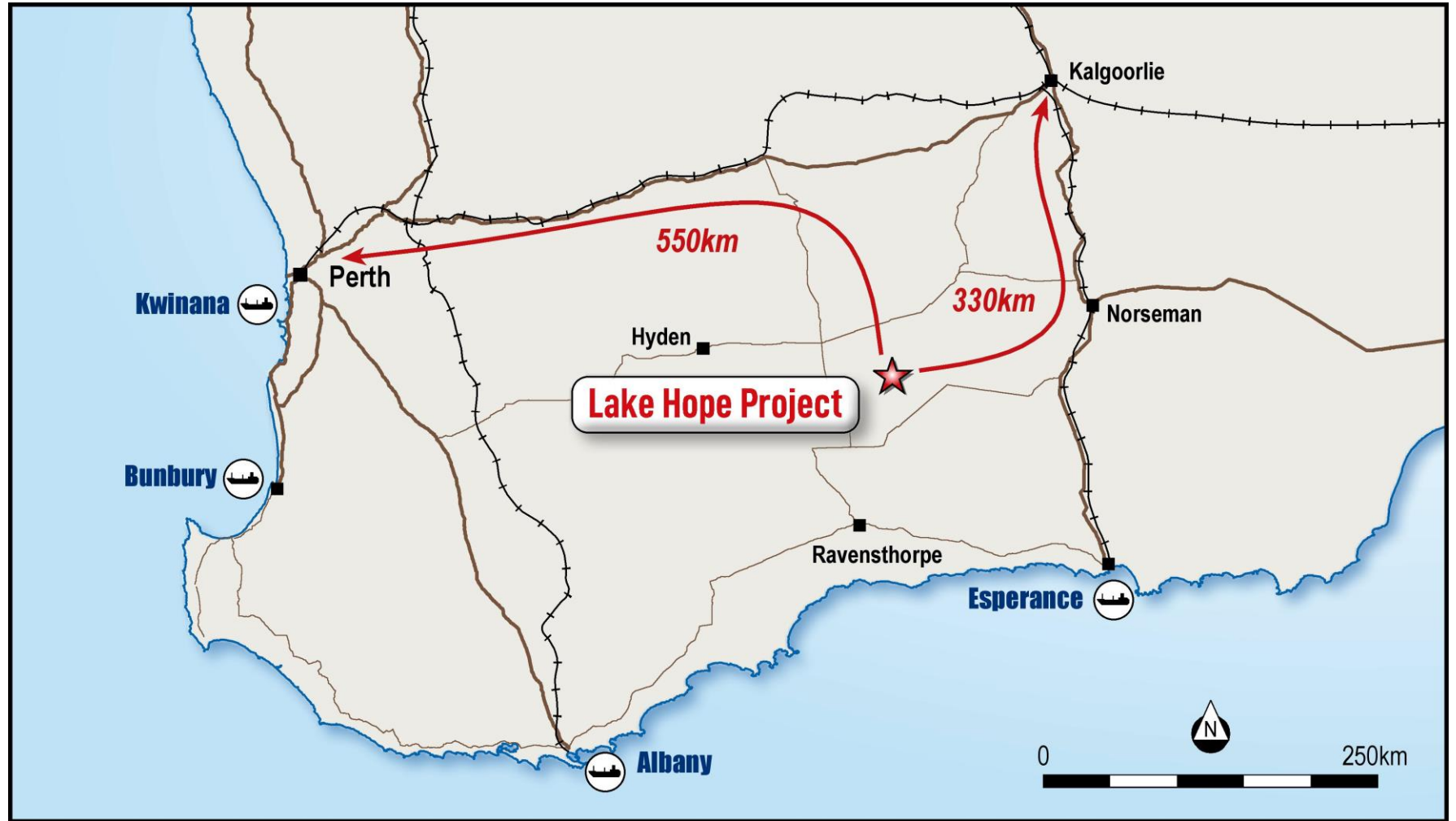
To be processed into High Purity Alumina (HPA)

Mineral Resources			
Category	MTonnes	Alumina %	$\text{Al}_2\text{O}_3$ Kt
Indicated	3.19	25.3	808.0
Inferred	0.31	23.4	71.7
<b>Total</b>	<b>3.50</b>	<b>25.1</b>	<b>879.7</b>

*ASX Release 19<sup>th</sup> June 2023: Maiden Mineral Resource at Lake Hope*

# Project Location

A Tier One Jurisdiction





# Lake Hope: a unique deposit

East Lake

West Lake

1 km



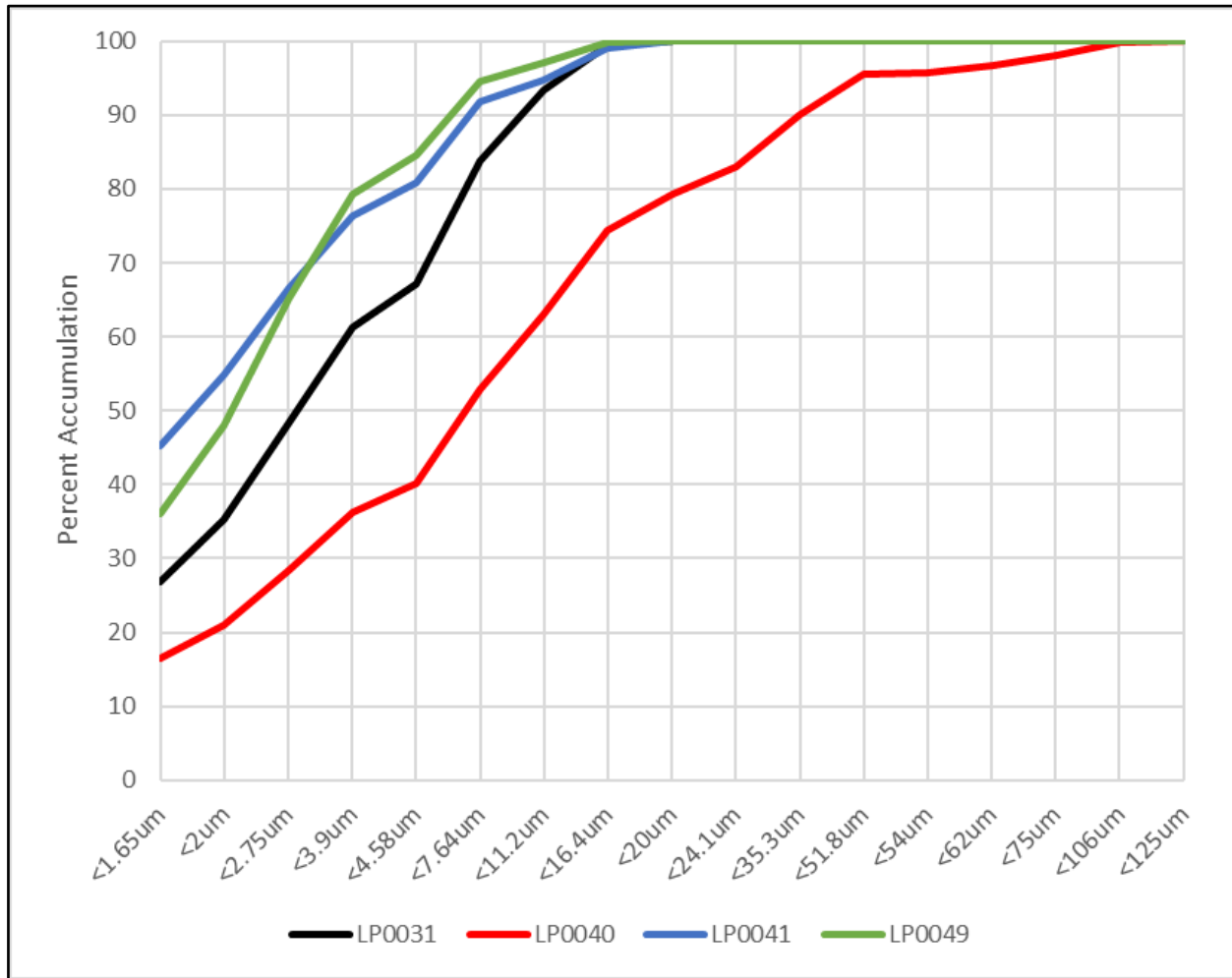


# The Perfect Orebody?





# The Perfect Orebody?



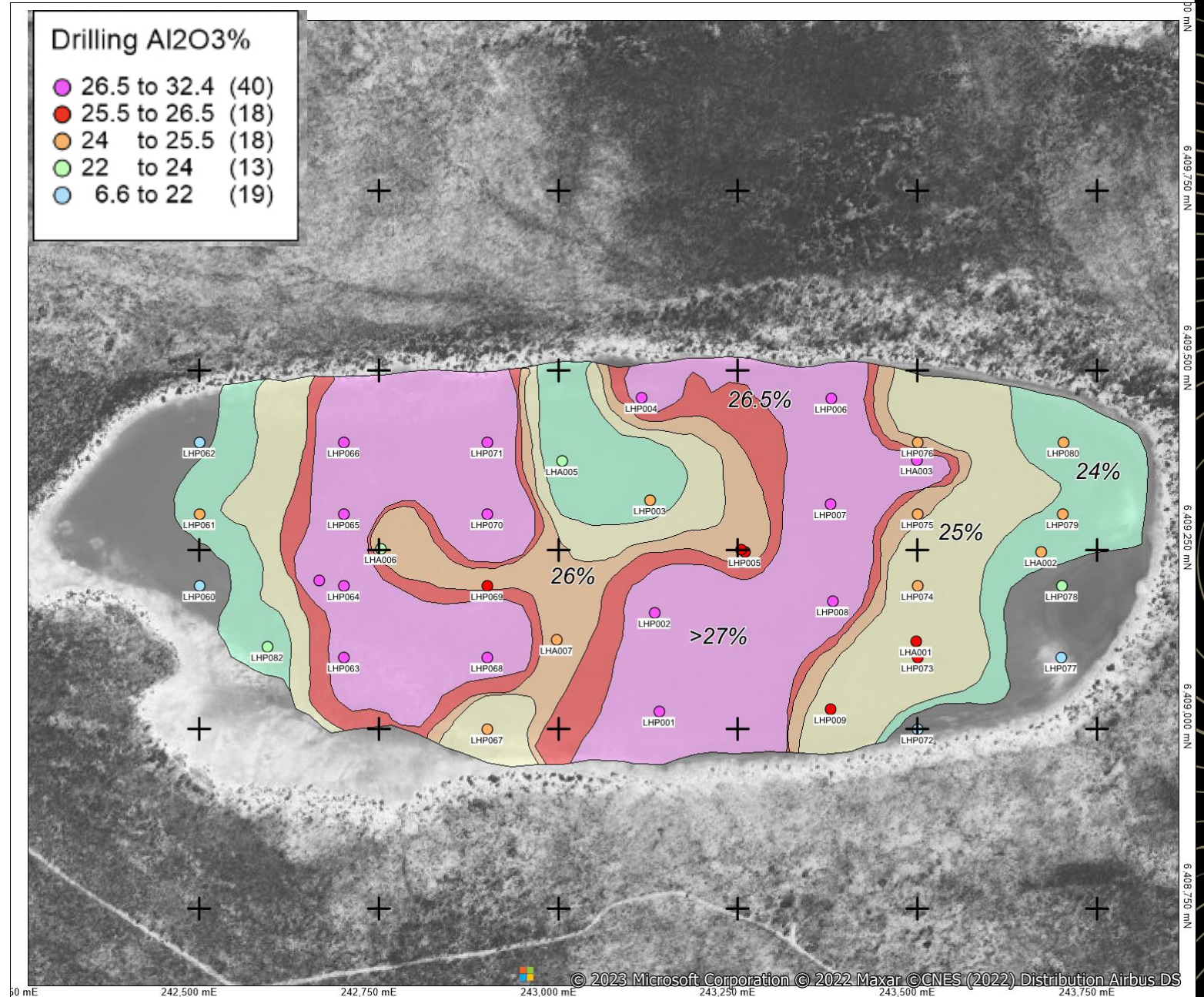
## Particle Size Distribution

- 100% <16 micron
- 60% to 80% < 5 micron

ASX Release 21<sup>st</sup> March 2023: Impact to acquire advanced HPA Project in WA



# Drilling Results



ASX Release 21<sup>st</sup> March 2023: Impact to acquire advanced HPA Project in WA



# The shallowest, highest-grade open pit anywhere?

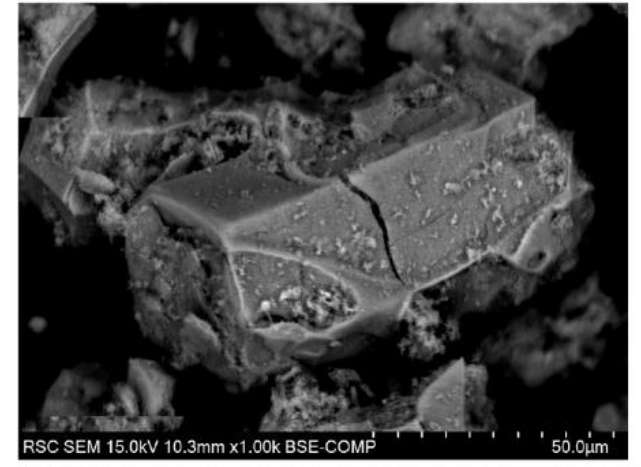
- High grade: approx. 25%  $\text{Al}_2\text{O}_3$ .
- No crushing or grinding.
- Cheap, free-digging ore to be trucked offsite.
- Processing at an existing industrial site.
- Tiny environmental footprint: biologically sterile.
- Very low carbon emissions.
- Limited rehabilitation requirements.
- HERITAGE CLEARANCE!



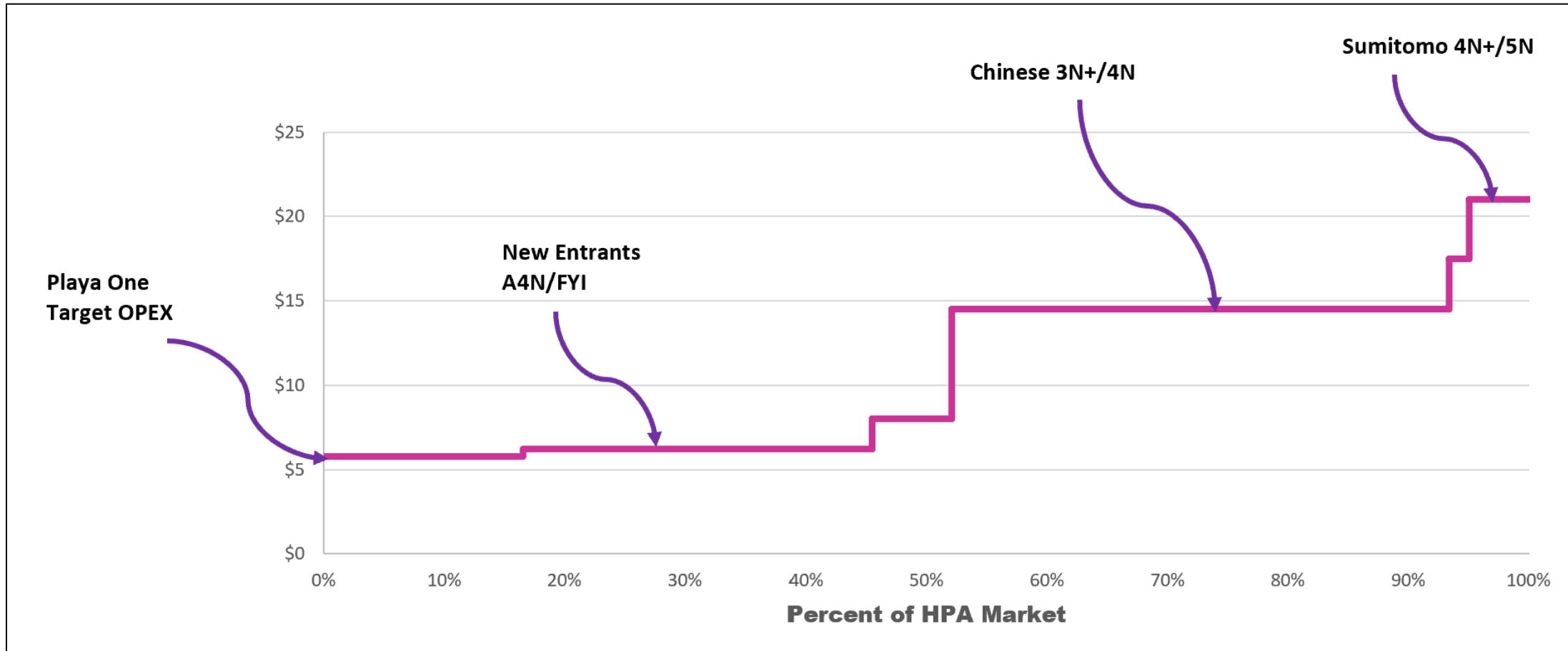


# Disruptive Sulphuric Acid Process to produce HPA

- Unique characteristics of the lake mud give unexpected kinetics.
- Cheap reagents and saleable waste-products.
- High recoveries up to 86%
- Process achieves 99.99%  $\text{Al}_2\text{O}_3$  (HPA).
- Optimisation during Pre-Feasibility Study.
- Other products: nitrates, sulphates and other high purity metals and salts.



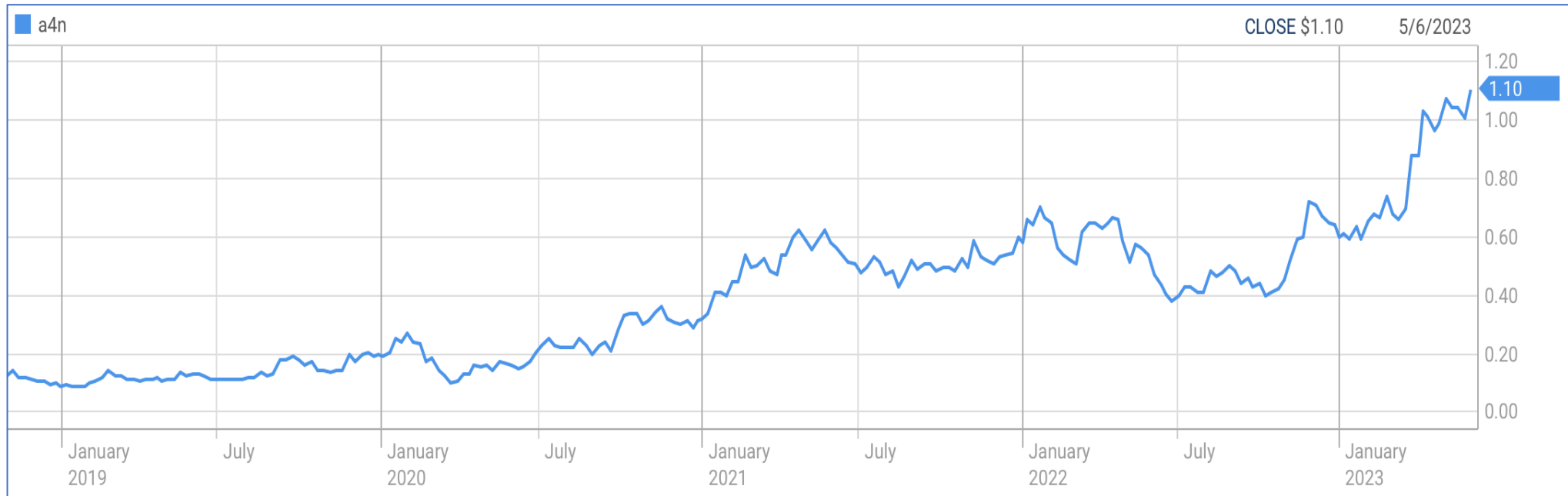
# Cost Curve Analysis (in-house)





# The Alpha HPA Journey (ASX:A4N)

\$1 B!



\$10 M



Native Title  
Aboriginal  
Corporation

### *vision*

Upholding the continued connection of Ngadju Nation custodianship for its people, land, cultural heritage and future generations.

### *mission*

Acting in the interests of Ngadju Native Title rights on behalf of all Ngadju Nation whilst continuing the preservation and protection of Ngadju heritage and culture.

### *values*

#### **CULTURE**

Ngadju's history, culture, connection and country influences everything we do.

#### **ELDERS & KNOWLEDGE HOLDERS**

We are guided by our Elders and Knowledge Holders.

#### **INTEGRITY**

We are committed to truth, voice and treaty, acting transparently and fairly at all times.

#### **RESPECT**

We will always treat everyone with respect.

### *community*



#### **Strategic Objective: Build a strong Ngadju community**

- Develop positive relationships to support our community
- Foster inclusion, cohesion and belonging for our membership
- Consolidate information to better understand our community.

### *commerce*



#### **Strategic Objective: Strengthen our Ngadju foundations**

- Develop financial sustainability through income diversification based on strong relationships, and partnerships
- Continue to improve the effectiveness of our Governance structures
- Ensure our native title rights are secure and benefits are maximised through current native title agreements and outcomes in future agreements.

### *culture*



#### **Strategic Objective: Cultivate our Ngadju culture**

- Build intergenerational cultural knowledge
- Caring for Country
- Preservation and advancement of our language



# The Ngadju

The Ngadju community is an immensely proud First Nations people who continue to develop the Ngadju membership. We want all Ngadju people to experience improvements in physical and spiritual health and to assist with teaching and learning Ngadju culture to provide many opportunities to lead connected and fulfilling lives.

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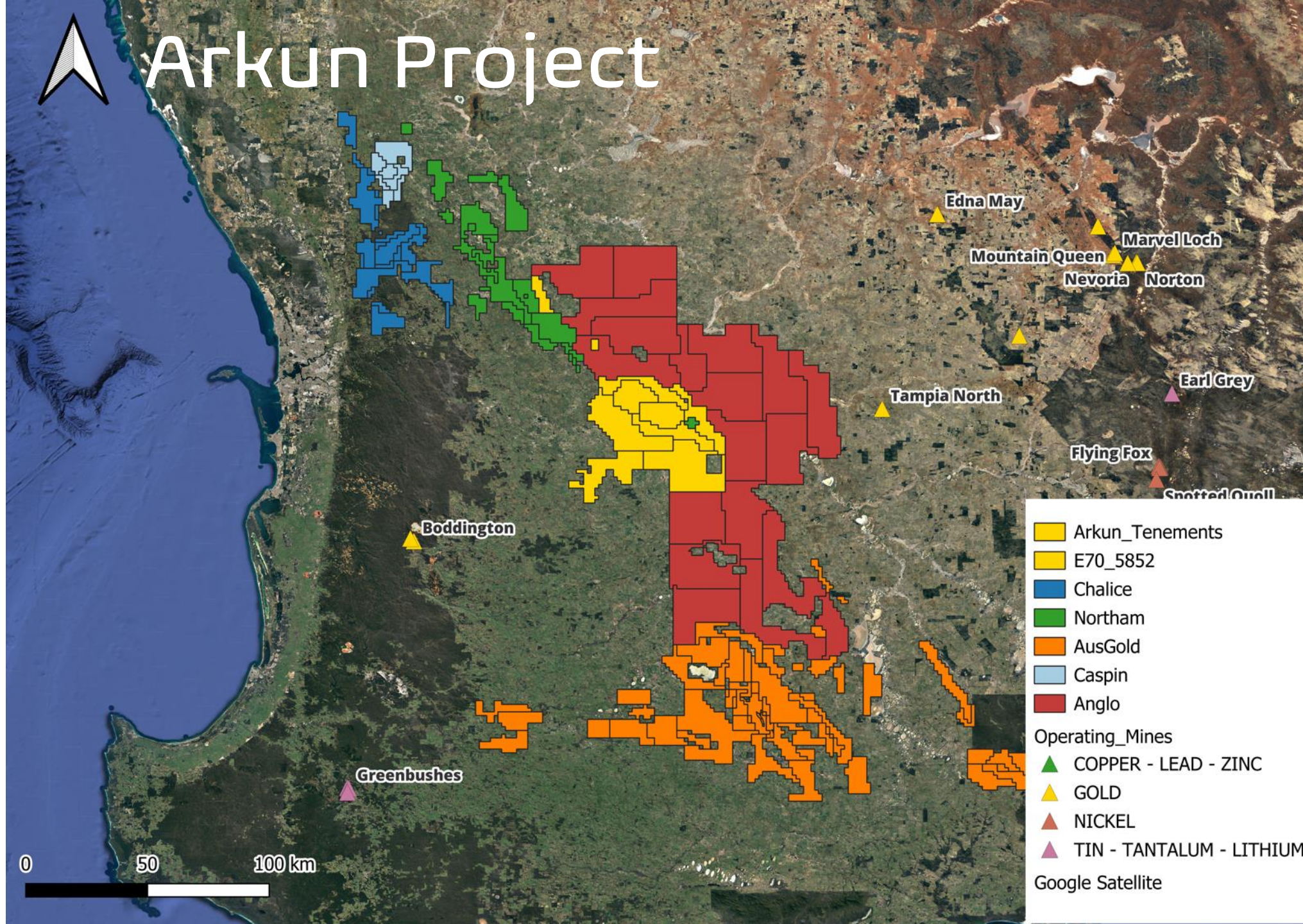


# Arkun Project

Arkun  
Project  
neighbours  
and  
Operating  
Mines

0 50 100 km

- Arkun\_Tenements
- E70\_5852
- Chalice
- Northam
- AusGold
- Caspin
- Anglo
- Operating\_Mines
  - COPPER - LEAD - ZINC
  - GOLD
  - NICKEL
  - TIN - TANTALUM - LITHIUM
- Google Satellite





# About Impact Minerals (ASX:IPT)

## Board of Directors and Management

Non-Executive Chairman: Peter Unsworth  
Managing Director: Dr Mike Jones  
Non-Executive Director: Dr Frank Bierlein  
Non-Executive Director: Paul Ingram  
Exploration Manager: James Cumming  
Lake Hope Project Manager: Roland Gotthard

## Capital Structure

Listed on ASX	November 2006
Shares on Issue	2,844 million
Options	268M unlisted 158M IPTOB
Share Price	1.4c
Market Cap	\$40 million
Cash	A\$4.0 million

## Shareholders

Bunnenberg Family	15.8%
ABC Beteiligungen	7.8%
Directors	1.1%
Top 20	40%
Top 50	49%
No of Shareholders	4,600

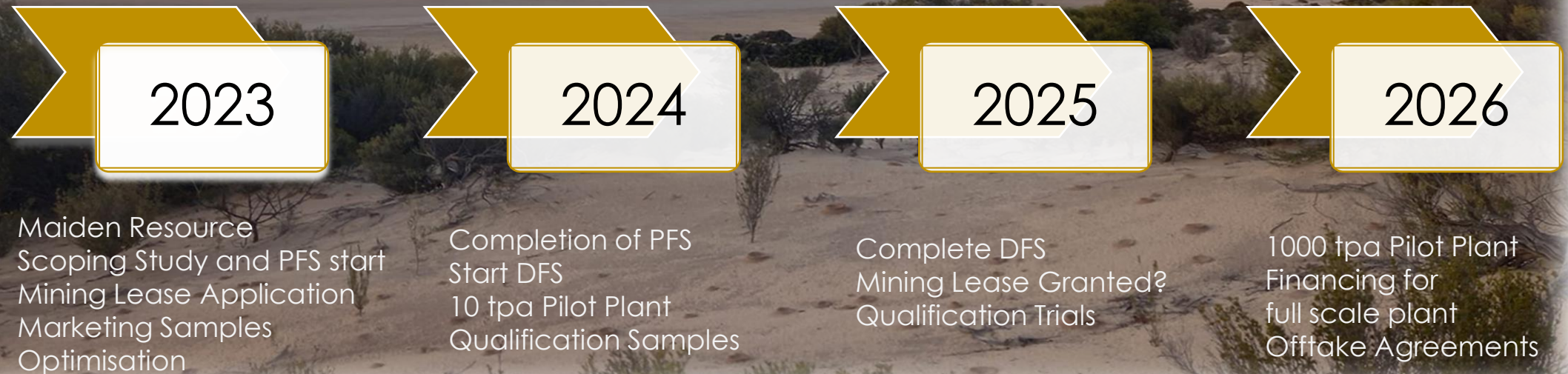


1 Year  
Share  
price

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# Forward Plan



# COME WITH US ON THE JOURNEY



- We aim to be one of the lowest-cost producers of HPA globally.
- We have a unique deposit in a Tier 1 Jurisdiction.
- We have a cost-disruptive metallurgical process now in PFS.
- We will build out our capabilities in metallurgy and final product specification.
- We will deliver into a high-margin, growth market with significant upside potential.



# Competent Persons Statements

*This review of exploration activities and results, the Exploration Target and the metallurgical test work contained in this presentation is based on information compiled by Roland Gotthard, a Member of the Australian Institute of Mining and Metallurgists. He is an employee of Impact Minerals Limited. He has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code). Mr Gotthard has consented to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

*The data in this presentation that relates to Mineral Resource estimates for the Lake Hope Project is based on information evaluated by Mr Simon Tear who is a Member of The Australasian Institute of Mining and Metallurgy (MAusIMM) and who has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the “JORC Code”). Mr Tear is a Director of H&S Consultants Pty Ltd and he consents to the inclusion in the presentation of the Mineral Resource in the form and context in which they appear.*

*The information in this presentation that relates to the Minerals Resource for the Lake Hope Project is based on information announced to the ASX on 19th June 2023. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcement, and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply.*