

*Sourcing the  
raw materials  
of the future*

ASX: SYA

**SAYONA**  
MINING LIMITED  
SEPTEMBER 2016

Investor Presentation  
**Authier Drilling Program  
Overview**

# Authier Drilling Program



## DIAMOND DRILLING PROGRAM

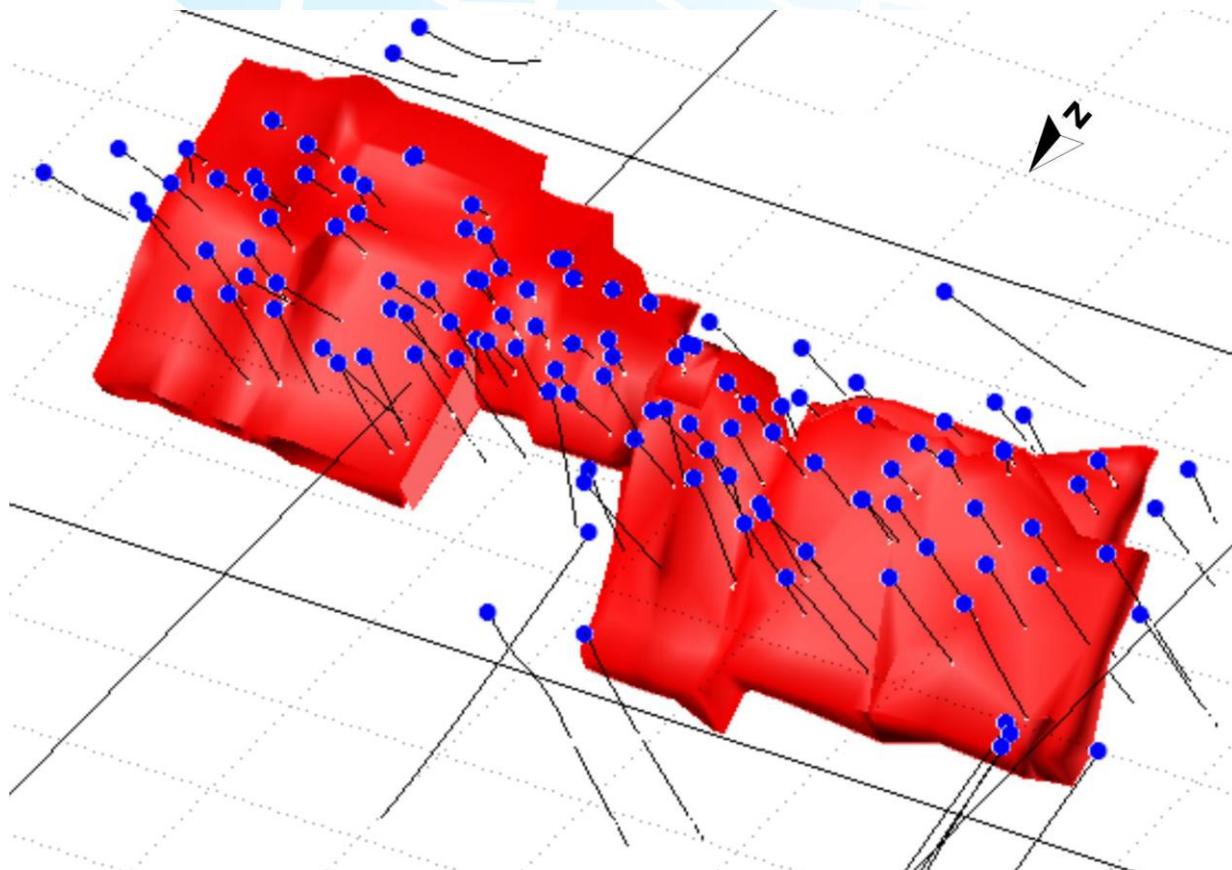
Between **5,000-6,000** metres

### Drilling Program Objectives

- ✓ Converting inferred mineral resources to measured and indicated
- ✓ Convert mineral resources to reserves
- ✓ Exploring for extensions to the mineralisation
- ✓ Collecting geotechnical and hydrological data for Feasibility Studies
- ✓ Metallurgical testing

# Authier Lithium Deposit

## Historical drilling



**15,000m**  
drilled

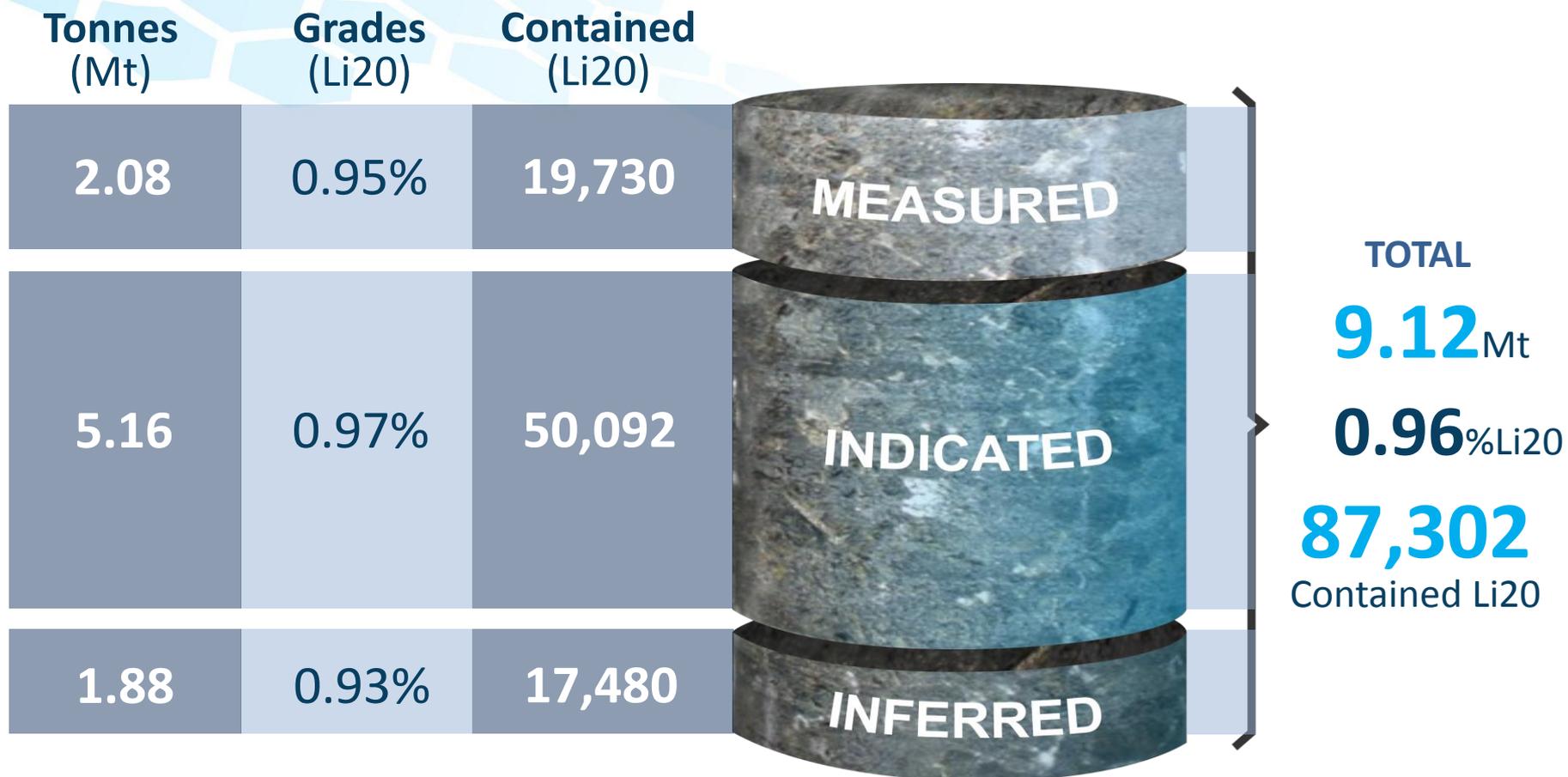
**123**  
holes

**2,143**  
lithium assays





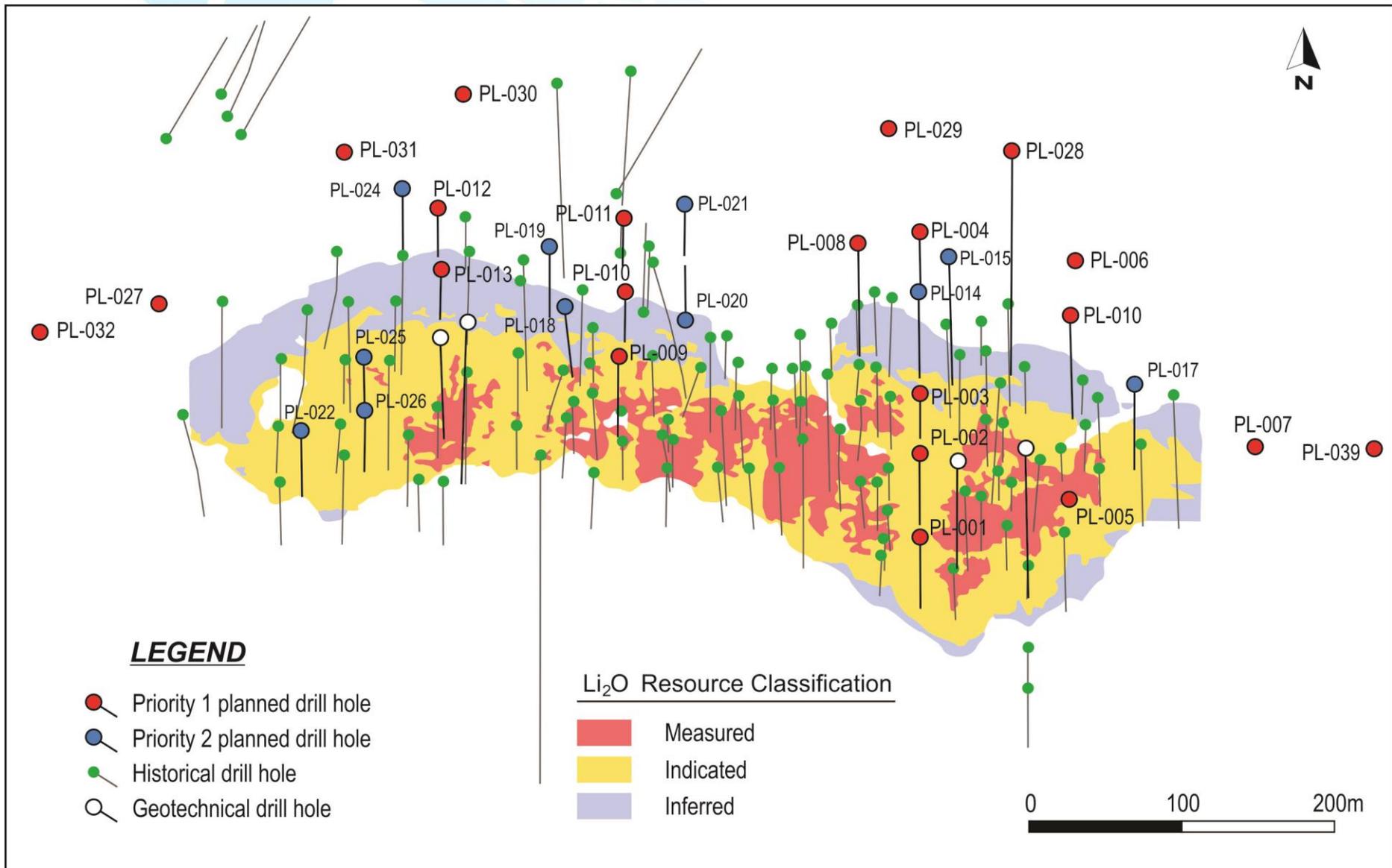
# Authier JORC Mineral Resource



- 0.5% Li<sub>2</sub>O cut-off grade\*
- Cautionary Note - Mineral Resources are not Mineral Reserves and do not have demonstrated economic viability. There is no certainty that all or any part of the Mineral Resources estimated will be converted into Mineral Reserves estimate
- The resource has been estimated and reported in accordance with the guidelines of the Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code 2012).

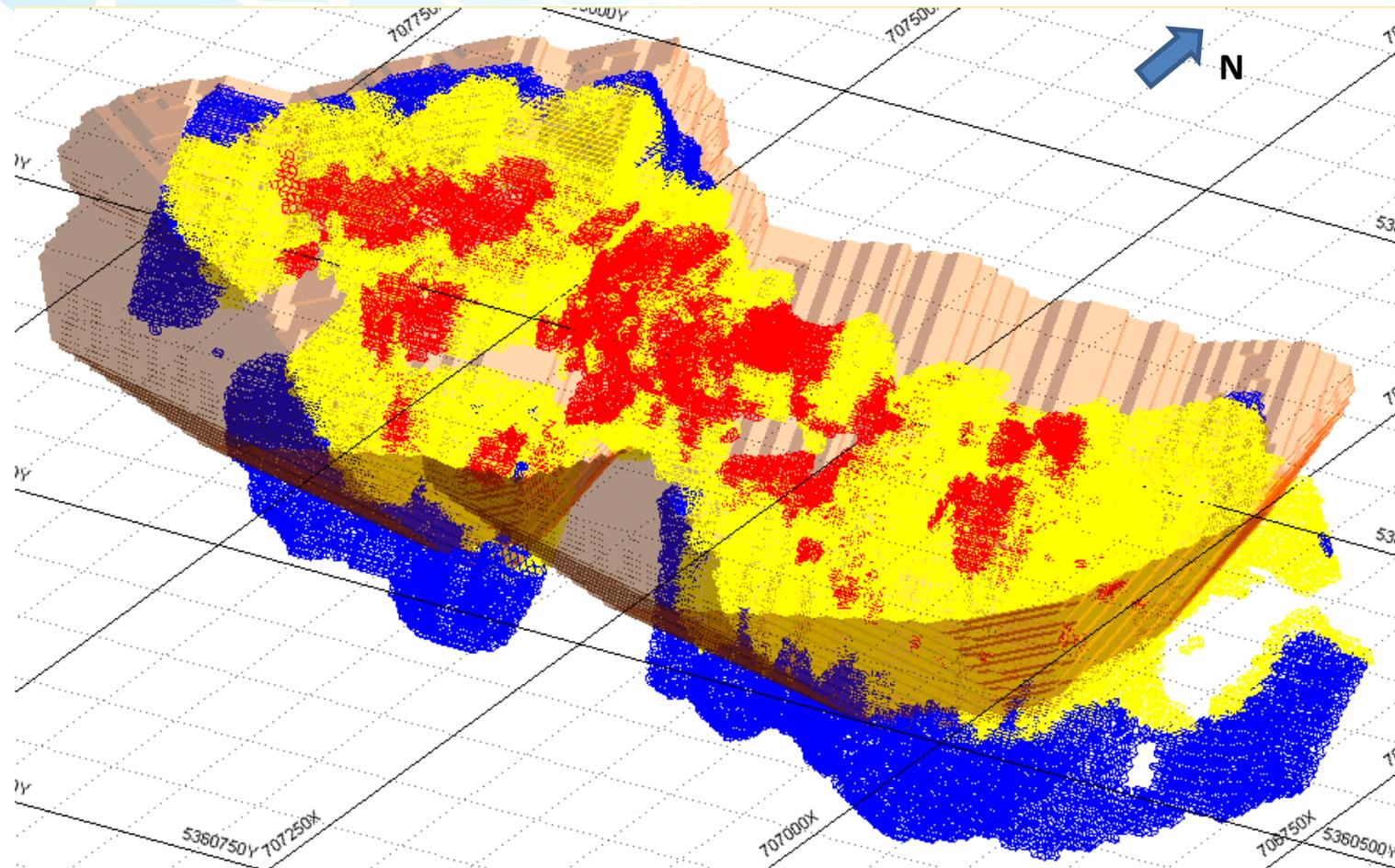
# Authier Drilling Program

## Drill hole location plan



# Authier Deposit Resource Distribution

## Drilling to upgrade mineral resource categories



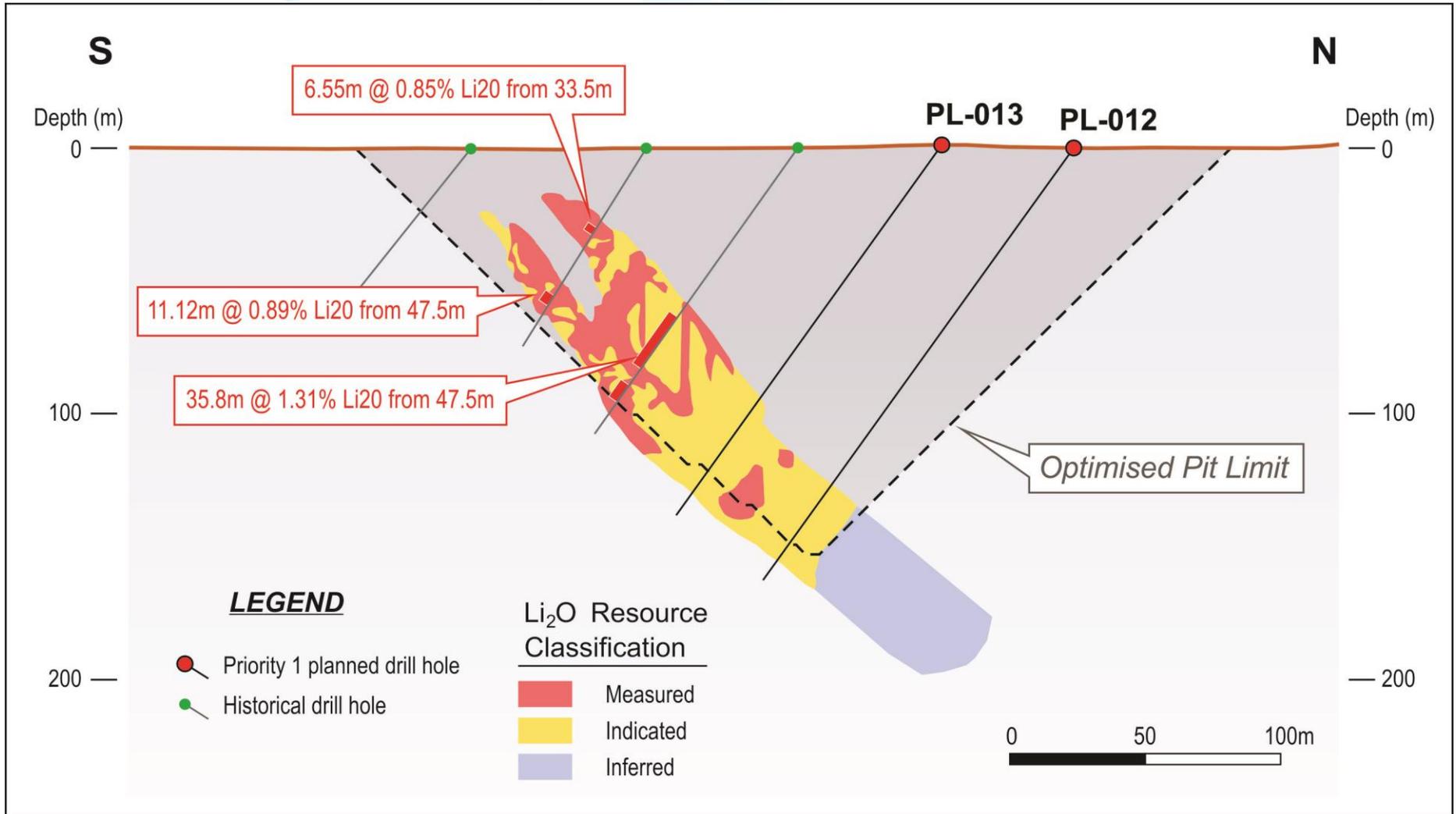
**MEASURED**  
**23%**

**INDICATED**  
**57%**

**INFERRED**  
**20%**

# Authier Drilling Program

## Example resource definition planned drill hole



# **Authier Drilling Program**

## **Removing the first diamond core from hole AL16-01**



# **Authier Drilling Program**

**Core from the first drill hole - AL16-01 – mineralised  
from 22m down to 75m down hole**



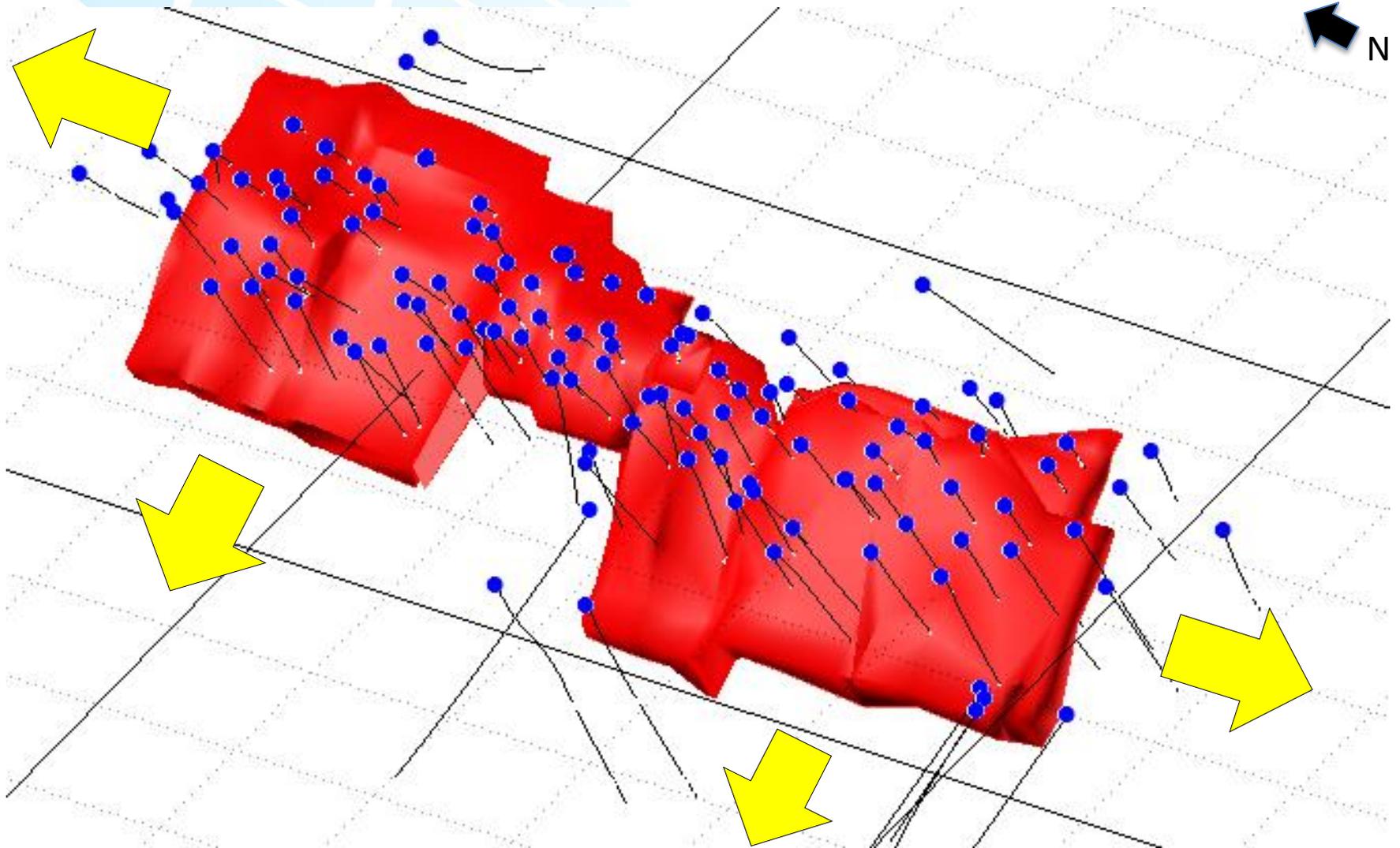
**Spodumene crystals at 45m down hole**



**Spodumene crystals at 63m down hole**

# Authier Lithium Deposit Expansion Potential

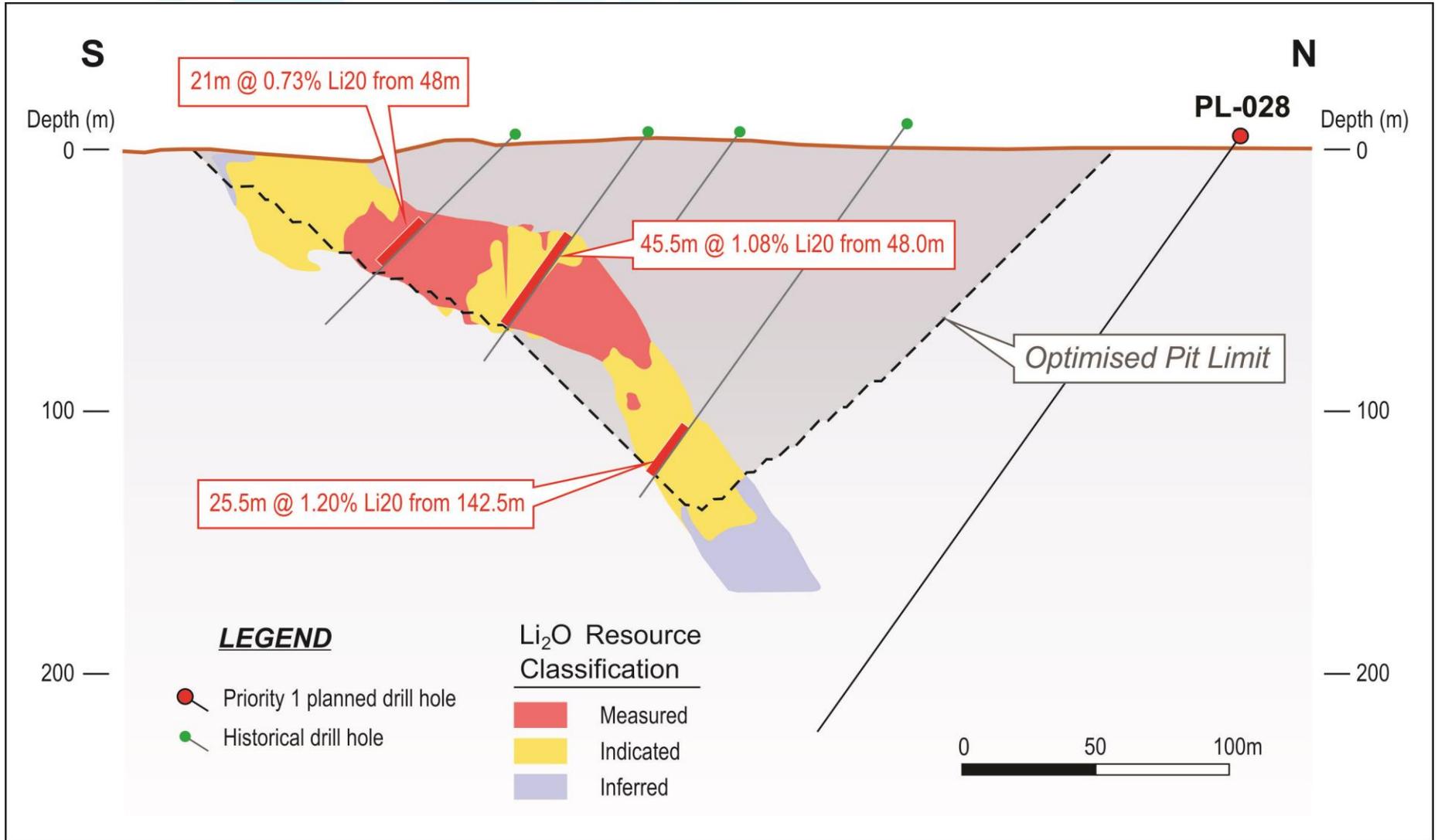
Target drilling areas for potential resource expansion



**Potential Extensions of  
the Mineralisation**

# Authier Drilling Program

## Example resource extension planned drill hole



# Disclaimer

## COMPETENT PERSON STATEMENTS

Gustavo Delendatti for Authier - The information in this report that relates to Exploration Results is based on information compiled by Dr Gustavo Delendatti, a member of the Australian Institute of Geoscientists. Dr Delendatti is an independent consultant, and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which it is undertaking to qualify as a Competent Person as defined in the JORC Code (2012 Edition) of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves." Dr Delendatti was responsible for the design and conduct of this exploration drilling campaign, supervised the preparation of the technical information in this release and has relevant experience and competence of the subject matter. Dr Delendatti, as competent person for this announcement, has consented to the inclusion of the information in the form and context in which it appears herein.

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## Reference to Previous ASX Releases

This presentation refers to the following previous ASX releases:

- Authier JORC Resource, 7 July 2016
- Corkwood Drilling – Broad Zones of Mineralisation, 17 February 2016

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and all material assumptions and technical parameters continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

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The logo for SAYONA MINING LIMITED features the word "SAYONA" in a large, white, sans-serif font. To the right of the letters "Y" and "O" is a stylized blue graphic consisting of three curved, overlapping shapes that resemble a flame or a mineral vein. Below "SAYONA" is the text "MINING LIMITED" in a smaller, white, all-caps, sans-serif font. The entire logo is set against a dark teal background with a white hexagonal grid pattern.

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