



ASX ANNOUNCEMENT



12 APRIL 2016

PILBARA LITHIUM PROJECT ENHANCED BY NEW ACQUISITION

Highlights

- Application for 140 km² covering a historic tin field with rare metal pegmatites
- Never previously explored for lithium but host to prospective albite pegmatites
- Pilbara lithium project now totals six tenements covering 764 km²

Sayona Mining Limited (ASX: SYA) ("Sayona" or the "Company") is pleased to announce that it is continuing to advance its lithium exploration portfolio with a new application of 140 km² at Cooglegong, covering the northern part of the Shaw River tin field in the Pilbara district of Western Australia.

The Shaw River tin field covers an area of historic tin mining and is host to numerous pegmatites of albite composition. Tantalum is also reported from the area, indicating the potential presence of rare metal, lithium prospective pegmatite systems.

Mineralisation is hosted in pegmatite related to a 'newer' granite, the Spearhill Adamellite. The Cooglegong application (ELA 45/4738 – see Figure 1) secures part of this intrusion and the surrounding Shaw River batholith, and greenstone remnants.

The area has never been explored for its lithium potential, but the presence of rare metal pegmatites, an evolved albite composition and presence of suitable host rocks indicates an elevated prospectivity.

The Company is exploring the project for its potential to host the albite – spodumene class of rare metal pegmatite and is developing a range of methodologies to efficiently test its large Pilbara regional project area. The Company has new secured granted and tenement applications totalling 764 km² in the Pilbara region, and 843 km² in Western Australia.

For more information, please contact:

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Sayona Mining Limited is an Australian, ASX-listed (SYA), company focused on sourcing and developing the raw materials required to construct lithium-ion batteries for use in the rapidly growing new and green technology sectors. Please visit us as at www.sayonamining.com.au

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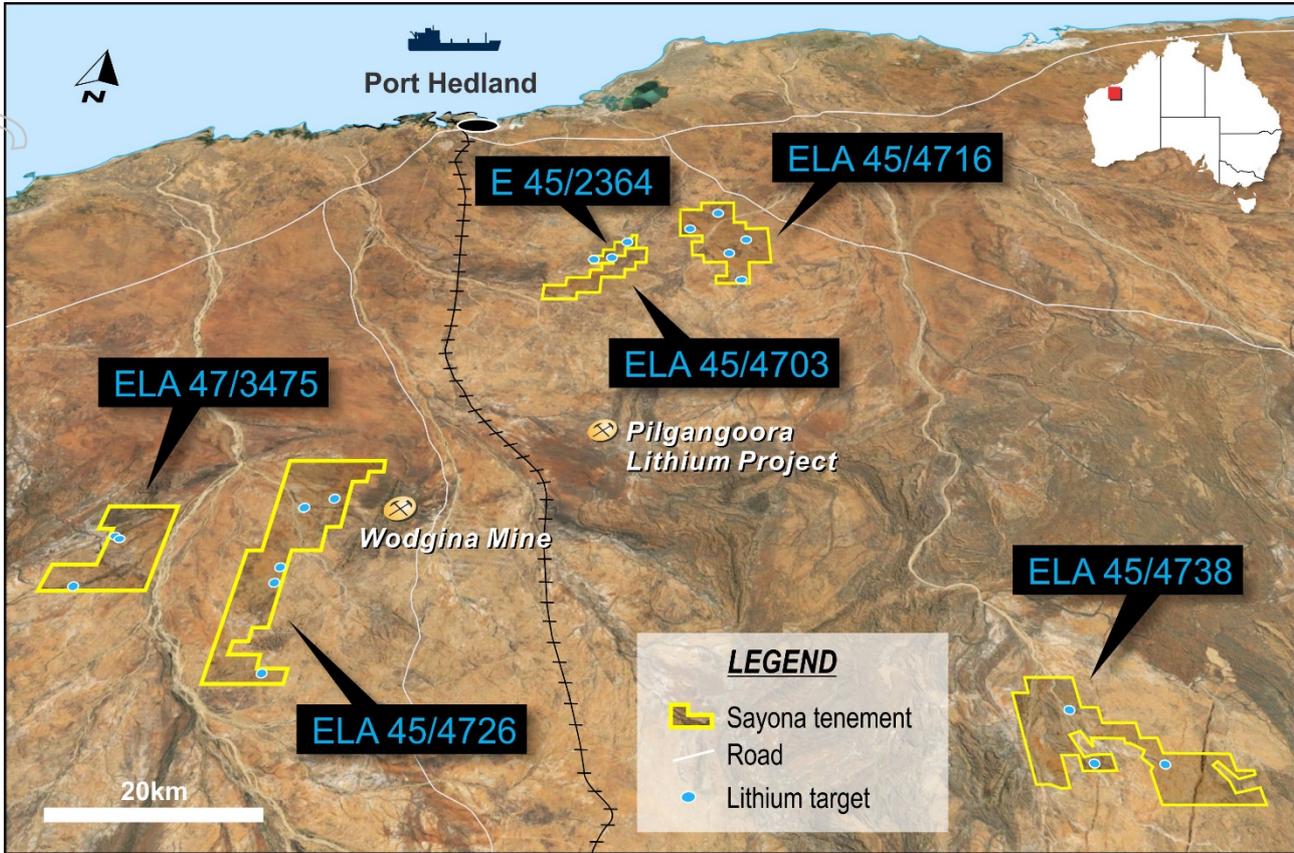


Figure 1: Pilbara project area and new tenement acquisition ELA 45/4738

COMPETENT PERSON STATEMENT

The information in this report that relates to Exploration Results is based on information compiled by Mr Simon Attwell, a Competent Person, and who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Attwell is an employee of Attagold Pty Ltd ("Attagold") which provides geological services to Sayona.

Mr Attwell has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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'. Mr Attwell consents to the inclusion in the report of the matters based on his information in the form and context in which it appears