



ASX ANNOUNCEMENT



08 APRIL 2016

MT EDON LITHIUM PROJECT EXPLORATION COMMENCES

Highlights

- Radiometric data identifies three priority rare metal pegmatite targets
- Over 70 pegmatites identified in recent mapping, many never previously explored
- Orientation geochemical sampling completed

Sayona Mining Limited (ASX: SYA) ("Sayona" or the "Company") is pleased to announce that it has continued to advance its lithium exploration program, with recently acquired high resolution magnetic-radiometric data over the Mt Edon project identifying three prospective radiogenic pegmatite systems.

Recent mapping has identified a large number of pegmatite intrusions, ranging from five metres to over 100 metres in surface width, arranged in swarms of up to 1 kilometre in strike extent. The pegmatites have variable outcrop and are in part obscured by colluvium and remain to be fully defined. Radiometric data identifies one of the largest pegmatites as being the most prospective, with a 900 metre strike extent comprising multiple pegmatites which are up to 100 metres width on surface (true width is not known) – see Figure 1.

The Company is exploring the project for its potential to host the albite – spodumene class of rare metal pegmatite. The use of high-quality airborne radiometrics data, which detects radiogenic minerals associated with lithium mineralisation, is being used as an attractive low-cost exploration methodology to cover the large project area.

A total of 58 rock and 18 soil geochemical orientation samples from the project area have been submitted for assay to help rank the most prospective areas for further work.

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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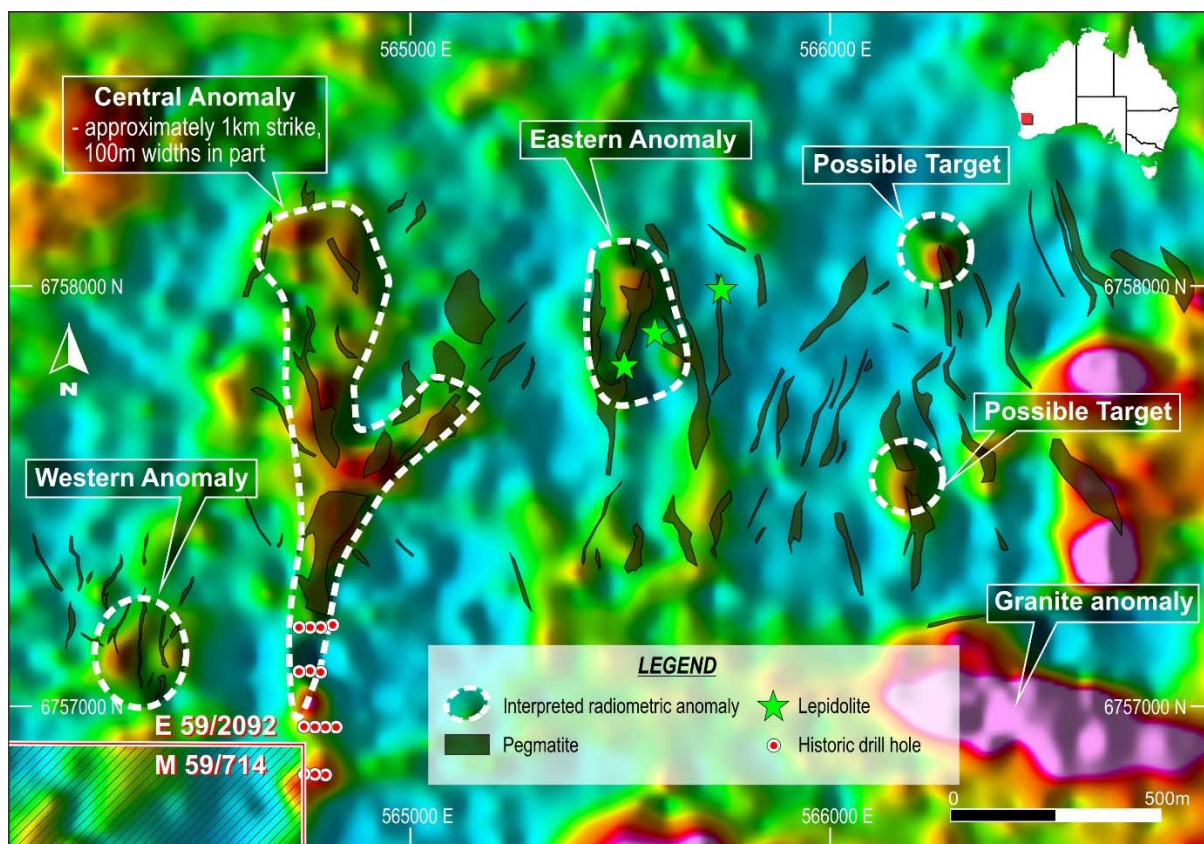


Figure 1: Mt Edon radiometric anomaly

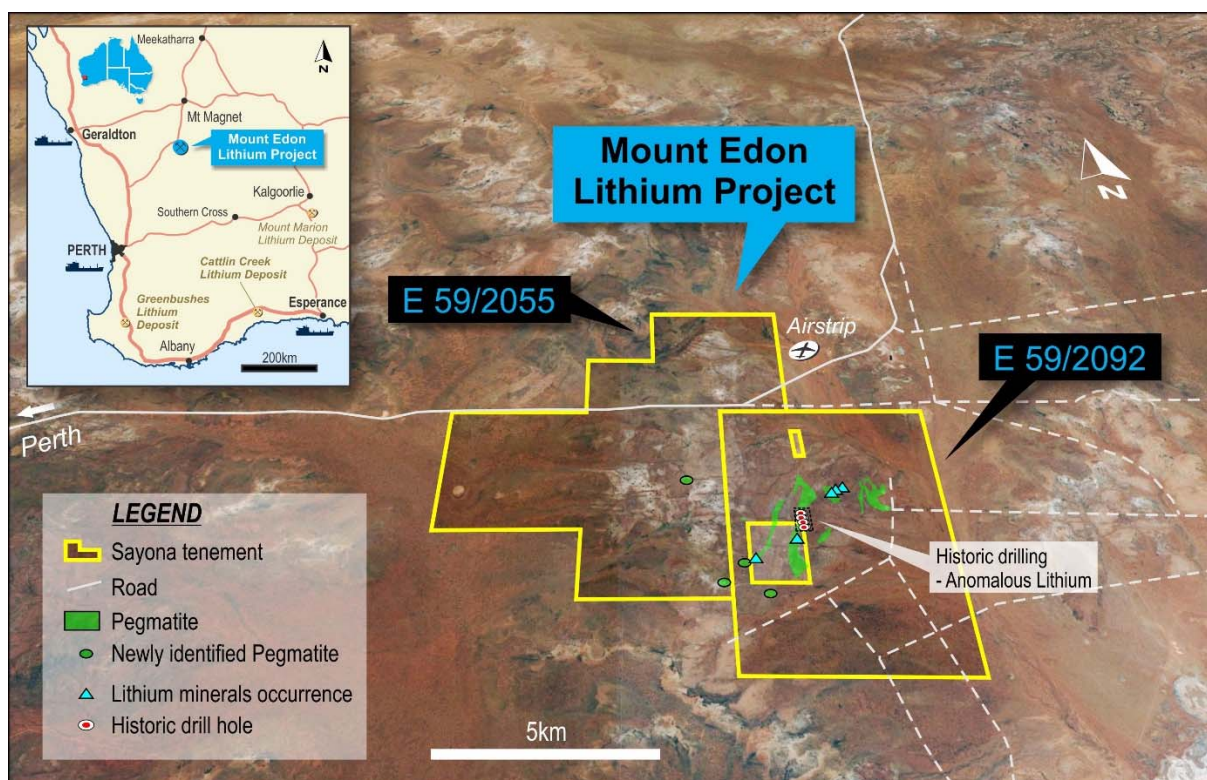


Figure 2: Mt Edon project area

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 Attgold Pty Ltd ("Attgold") 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