

### COMPANY DETAILS

#### LITHIUM AUSTRALIA NL

ABN: 29 126 129 413

ASX CODE: LIT & LITCB

#### PRINCIPAL AND REGISTERED OFFICE

Suite 3  
23 Belgravia Street  
Belmont WA 6104

P +61 8 6145 0288

F +61 8 9475 0847

#### POSTAL ADDRESS

PO Box 588  
Belmont WA 6984

#### CORPORATE INFORMATION

(26 August 2015)  
134M Ordinary Shares  
50M Contributing Partly Paid Shares  
12M Unlisted Options

#### BOARD OF DIRECTORS

**George Bauk**  
(Non-Executive Chairman)  
**Adrian Griffin**  
(Managing Director)  
**Bryan Dixon**  
(Non-Executive Director)

#### For further information contact:

Lithium Australia NL  
Adrian Griffin (MD)

Tel: +61 (08) 6145 0288  
Email: [info@lithium-au.com](mailto:info@lithium-au.com)  
Web: [www.lithium-au.com](http://www.lithium-au.com)

### Positive WA geochemistry adds to Seabrook exploration success

#### HIGHLIGHTS

- Exploration expedited on the expanded area of the Seabrook Rare Metals Venture (SRMV) west of Kalgoorlie
- Geochemical survey links pegmatites to mineralised zones 10km to the NW
- Lithium pegmatites with lengths of up to 300m identified
- Successful trial to be replicated at Lepidolite Hill

#### SIGNIFICANT EXPLORATION RESULTS FROM SRMV

Lithium Australia NL (ASX:LIT) has achieved outstanding geochemical results from the recently expanded tenement area of the SRMV (ASX announcement 19 August 2015) located 60km northeast of Southern Cross, Western Australia. The SRMV is a strategic initiative of Lithium Australia (80%) and Tungsten Mining NL (20%).

Since the grant of E77/2279 (Figure 1) earlier this month, Lithium Australia has successfully completed surface reconnaissance of pegmatite swarms now thought to be extensions of the mineralised system previously identified further to the northwest.

Reconnaissance completed includes surface mapping and geochemistry (Figure 2). Lithium pegmatites up to 300m in length have been identified, and fall within the zone in which soil geochemistry indicates high prospectivity. The geochemical techniques used are the same as those reported to the ASX on 25 June (the announcement was lodged under Lithium Australia's previous name - Cobre Montana – and for clarity has been included as Appendix I).

The successful results and correlation of mineralising events has prompted further exploration on prospective ground, in the north-west extremities of the project.

## REPLICATION OF METHODOLOGY FOR THE COOLGARDIE RARE METALS VENTURE

Following the successful geochemical reconnaissance cited above at SRMV, similar geochemical techniques are now being adopted by Lithium Australia for its Coolgardie Rare Metals Venture (CRMV) (LIT 80% and Focus Minerals 20%). The JV is focused on pegmatite swarms and includes the Lepidolite Hill occurrence, 15km south of Coolgardie. The new work will attempt to trace buried pegmatites in the vicinity of Lepidolite Hill.

### Lithium Australia Managing Director, Mr. Adrian Griffin:

“We continue to be encouraged by our exploration results as they relate to the significance of lithium micas in Western Australia as underpinned by the recent outstanding mini-plant processing results achieved from Lepidolite Hill. The hydrometallurgical process developed in conjunction with Strategic Metallurgy Pty Ltd is stable, controllable and predictable. The application of the process, for which Lithium Australia has exclusivity in Western Australia, is capable of turning geological curiosities into lithium chemicals. This currently provides Lithium Australia with a significant competitive advantage, and the successful commencement of the SRMV exploration and its likely applicability to the CRMV, has a cascading effect for all our other West Australian lithium projects.”

Adrian Griffin  
Managing Director

### ABOUT LITHIUM AUSTRALIA

*Lithium Australia (LIT) has a technical alliance with Strategic Metallurgy Pty Ltd to commercialise disruptive lithium extraction technology based on the recovery of lithium from micas; minerals not generally used as a source of lithium chemicals. LIT has a non-binding Heads of Agreement with European Metals Holdings Limited to process lithium mineralisation at Cinovec in the Czech Republic on a 50/50 JV basis. Cinovec contains abundant lithium micas and is one of the world's largest hard-rock lithium occurrences. In addition, LIT has strategic alliances with Pilbara Minerals Limited, Focus Minerals Limited and Tungsten Mining NL, to investigate lithium and rare metals in prospective locations of Western Australia close to well-developed infrastructure. LIT also has lithium exploration assets near Greenbushes and Ravensthorpe in Western Australia. LIT is also evaluating other European opportunities.*

### MEDIA CONTACT:

<b>Adrian Griffin</b>	<b>Lithium Australia NL</b>	<b>08 6145 0288   0418 927 658</b>
<b>Kevin Skinner</b>	<b>Field Public Relations</b>	<b>08 8234 9555   0414 822 631</b>

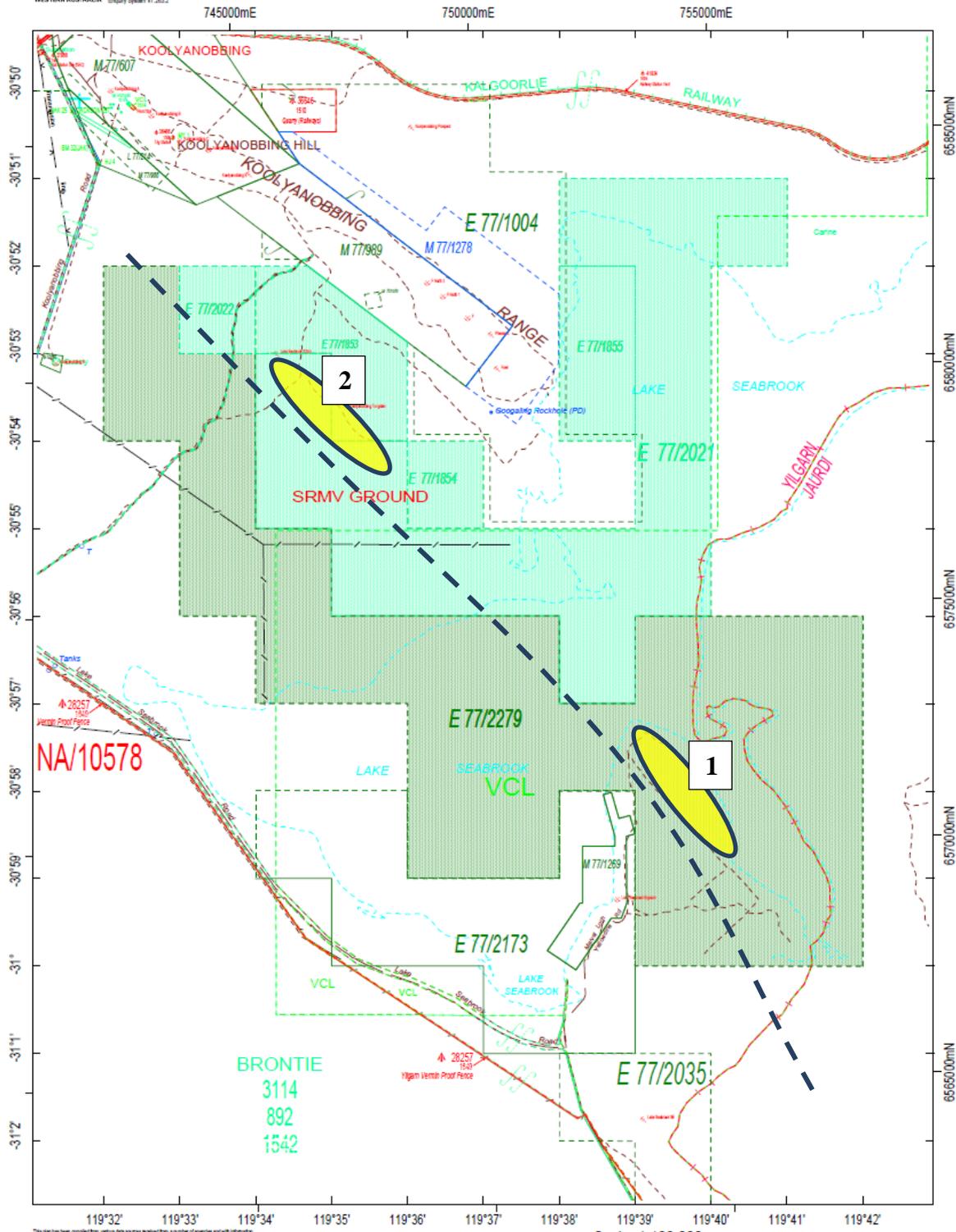


Figure 1 The regional shear (dotted line) appears to control the emplacement of pegmatites (1) and prospective zones of incompatible element mineralization (lithium, tungsten and others) 10km to the north-west (2)

For personal use only

For personal use only

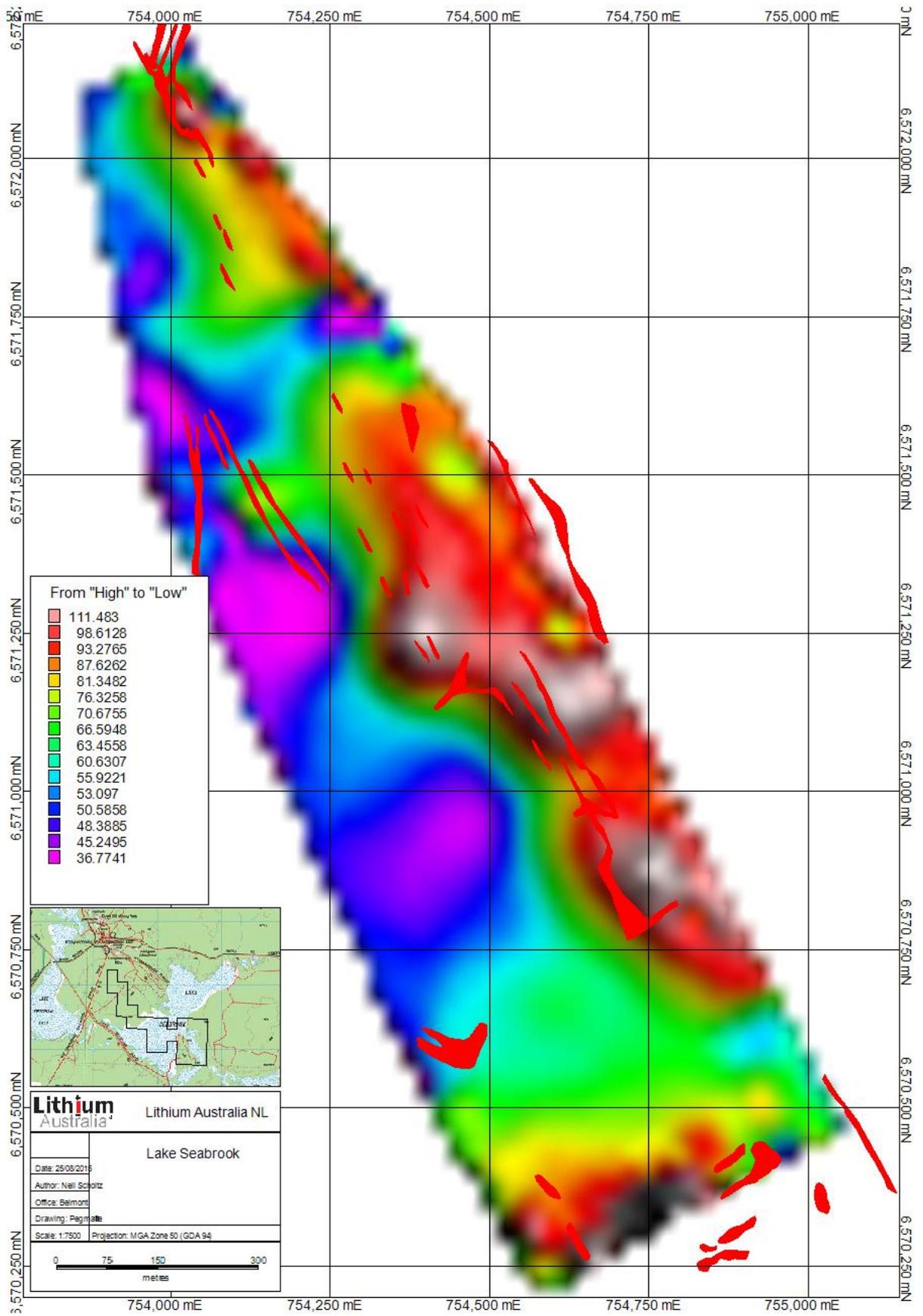


Figure 2 shows the results of geochemical surveys and the location of pegmatites (red). The geochemical prospectivity ranges from low prospectivity (cool colours – purple, blue and green) to higher prospectivity (warm colours – yellow, red and peaking at white).



## ASX Announcement

24 June 2015

### COMPANY DETAILS

**COBRE MONTANA NL**  
ABN: 29 126 129 413  
ASX CODE: CXB

### PRINCIPAL AND REGISTERED OFFICE

Cobre Montana NL  
Suite 3  
23 Belgravia Street  
Belmont WA 6104

**P** +61 8 6145 0288  
**F** +61 8 9475 0847

### POSTAL ADDRESS

PO Box 588  
Belmont WA 6984

### CORPORATE INFORMATION

(24 June 2015)  
130M Ordinary Shares  
50M Contributing Partly Paid Shares  
12M Unlisted Options

### BOARD OF DIRECTORS

**Eduardo Valenzuela**  
(Non-Executive Chairman)  
**George Bauk**  
(Chairman elect)  
**Adrian Griffin**  
(Managing Director)  
**Bryan Dixon** (Non-Executive Director)

### For further information contact:

Cobre Montana NL  
Adrian Griffin (MD)

Tel: +61 (08) 6145 0288

[info@cobremontana.com.au](mailto:info@cobremontana.com.au)

Web: [www.cobremontana.com.au](http://www.cobremontana.com.au)

## NEW EXPLORATION APPROACH DELIVERS EARLY LITHIUM SUCCESS FOR COBRE AT SEABROOK, WESTERN AUSTRALIA

### Breakthrough

A new geochemical technique designed for easier identification in the field of potential lithium deposits, has successfully undergone initial field tests in WA by lithium explorer and developer, Cobre Montana NL (ASX: CXB).

The trial results – which are yet to be compared with more conventionally accepted sample analyses - followed a blind test on an area of prospective lithium mineralisation at Cobre Montana's Seabrook project, 60 kilometres northeast of Southern Cross, about halfway between Perth and Kalgoorlie.

Such was the calibre of the results from the blind run that Cobre is now working with its United States-based technology partner, SciAps, to subject all samples in the program (Figure 1) to SciAps' patented LIBZ™ laser-based assay technology. The results from this analysis will be compared with the survey results already obtained from Seabrook.

Cobre and SciAps are already working aggressively to develop a field technique for real-time lithium surveys using SciAps' LIBZ™ technology.

### Innovative exploration approach

The new geochemical technique was developed by Cobre Montana to detect buried pegmatites of the lithium, caesium, and tantalum (LCT) class. These pegmatites, which are prospective hosts for lithium mineralisation, are the focus of Cobre's lithium mica exploration in Western Australia.

Using the results from field-portable XRF analytical equipment, Cobre created a geochemical algorithm that can be displayed as a 'heat map' of prospectivity. The heat-map indicates the relative intensity of certain geochemical indicators, which can be used to locate LCT pegmatites and the alteration halos associated with, or mineralising fluids emanating from, them.

### Successful blind test at Seabrook

Following Cobre Montana's testing over areas of known pegmatite mineralisation, the data was modelled to best reflect the occurrence of pegmatites containing lithium micas. The algorithm was then applied to a blind geochemical program within prospective areas of the Seabrook Rare Metals Venture (CXB 80%, Tungsten Mining (ASX: TGN) 20%).

Figure 1 shows the results of that survey – the cool colours (purple, blue and green) indicate areas of lowest prospectivity and the warm colours (yellow, red and white) those of highest prospectivity.

The survey covered a series of rocks dominated by mafic and ultramafic lithologies, terminated along the south-western boundary by a major crustal lineament known as the Koolyanobbing Shear Zone.

### Interpretation of results

The area of high prospectivity, which is about 3km long and 500- 600m wide, remains open across the Koolyanobbing Shear, transgressing the boundary between a sequence of mafic and acid lithologies.

Significant alteration of the host lithologies – observed in areas of outcrop and tungsten mineralisation (as marked on Figure 1) – exists on the flanks of the target area. The tungsten mineralisation is interpreted to be a skarn and is probably associated with late-stage magmatic fluids, which create the target areas shown on the heat map.

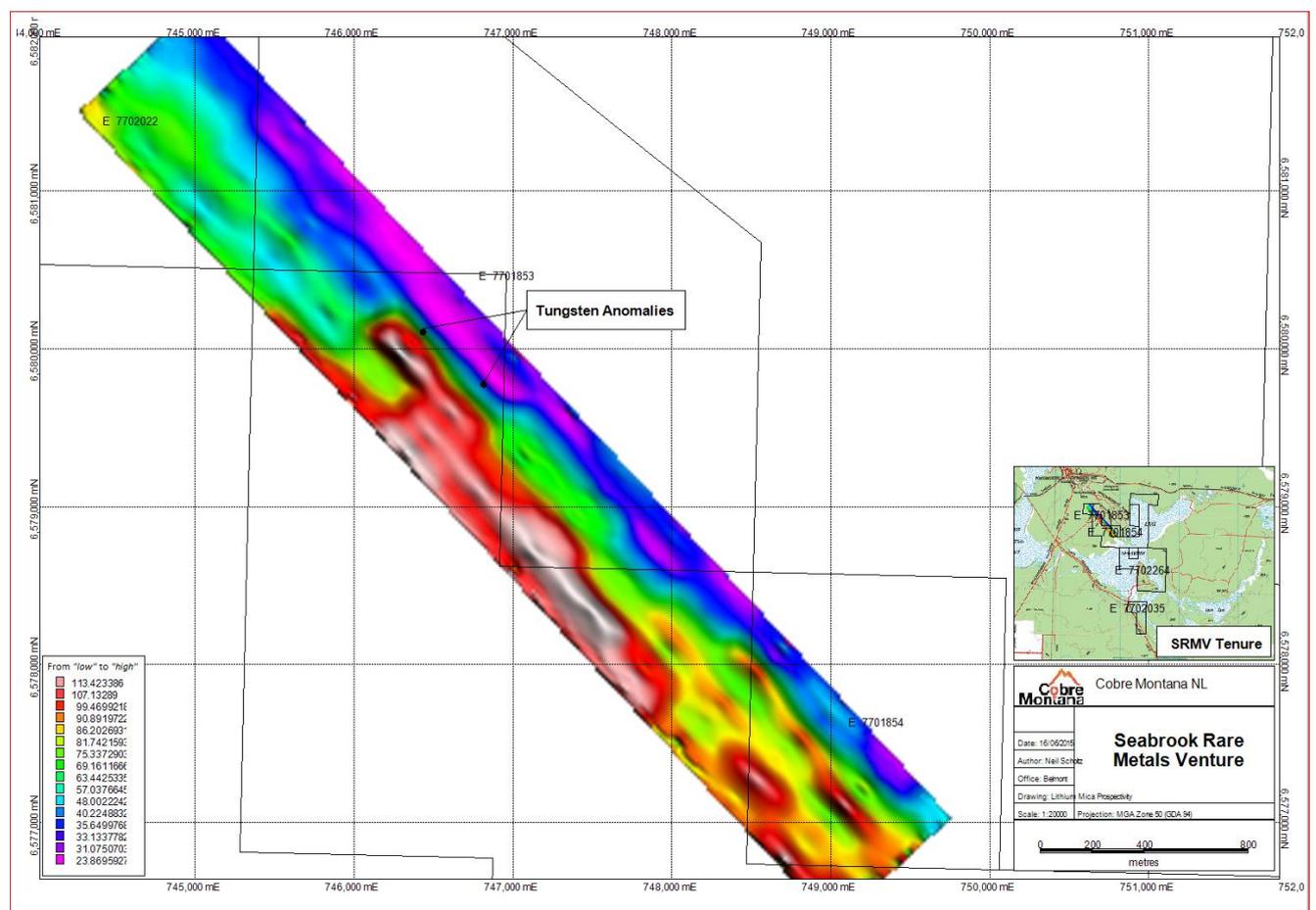


Figure 1. Heat map showing areas of high-potential for LCT pegmatites. The prospectivity has been defined by geochemical algorithms being applied to data generated from surface soil samples.

### Further work

Further field evaluation of the prospective areas will be undertaken over the next few months, as will infill geochemical sampling, to provide greater resolution, with sample lines extended in an attempt to close off the anomaly.

The technique, as developed to date, will be applied to other deposits – in particular Lepidolite Hill, near Coolgardie in Western Australia, where CXB (80%) operates the Coolgardie Rare Metals Venture (Focus Minerals (ASX: FML) 20%). Similar work is planned for Ravensthorpe (CXB 100%) and Greenbushes (CXB 80%).

For personal use only

For personal use only

