

## MOUNT IDA LITHIUM PROSPECT – GEOCHEMICAL SOILS REVIEW

### HIGHLIGHTS

- The results from the two phases of soils sampling completed were geochemically reviewed using the Prospectively Index.
- Two significant north and south well-defined Li-Cs-Rb-Be soils geochemical anomalies that were identified from the soils program, a total of ten areas of interest have been delineated from the Prospectively Index within the anomalies.
- All areas of interest lie within the mafic sequence, which is positive.
- Overall trends of the northern and southern anomalies are approximately N-S, with the overall trend of individual anomalies more NE-SW possibly *en echelon* to main structures.
- Most anomalies remain open, and an expanded soil sampling program is recommended on a tighter 100 by 25m grid to close off the anomalies.

Juno Minerals Limited (ASX: JNO) ('Juno' or 'the Company') is pleased to announce the two phases of soils sampling (refer: ASX announcement "Mount Ida lithium Prospect, 13<sup>th</sup> September 2023") documented the northern and southern anomalies, with outlines shown in Figure 1. The soil sample multi element results have subsequently been independently reviewed by a geochemist using the Prospectively Index, "Review of soil results from Juno Mineral's Mt Ida Lithium Prospect".

From the review, as shown in Figure 2, the surface samples are within,

- A known pegmatite region
- Greenstone containing mafics
- The LCT Goldilocks zone, and
- On exposed (residual) regolith

The Prospectively Index incorporates all the LCT elements (Li, Be, Nb, Ta, Ti, and Sn) along with the granitic lithic elements (Al, K, Rb, Ga) and greenstone lithic elements (Mg, Cr). The purpose of the Prospectively Index is to identify areas related to true pegmatites and filter out false anomalies due to scavenging in a near surface environment.

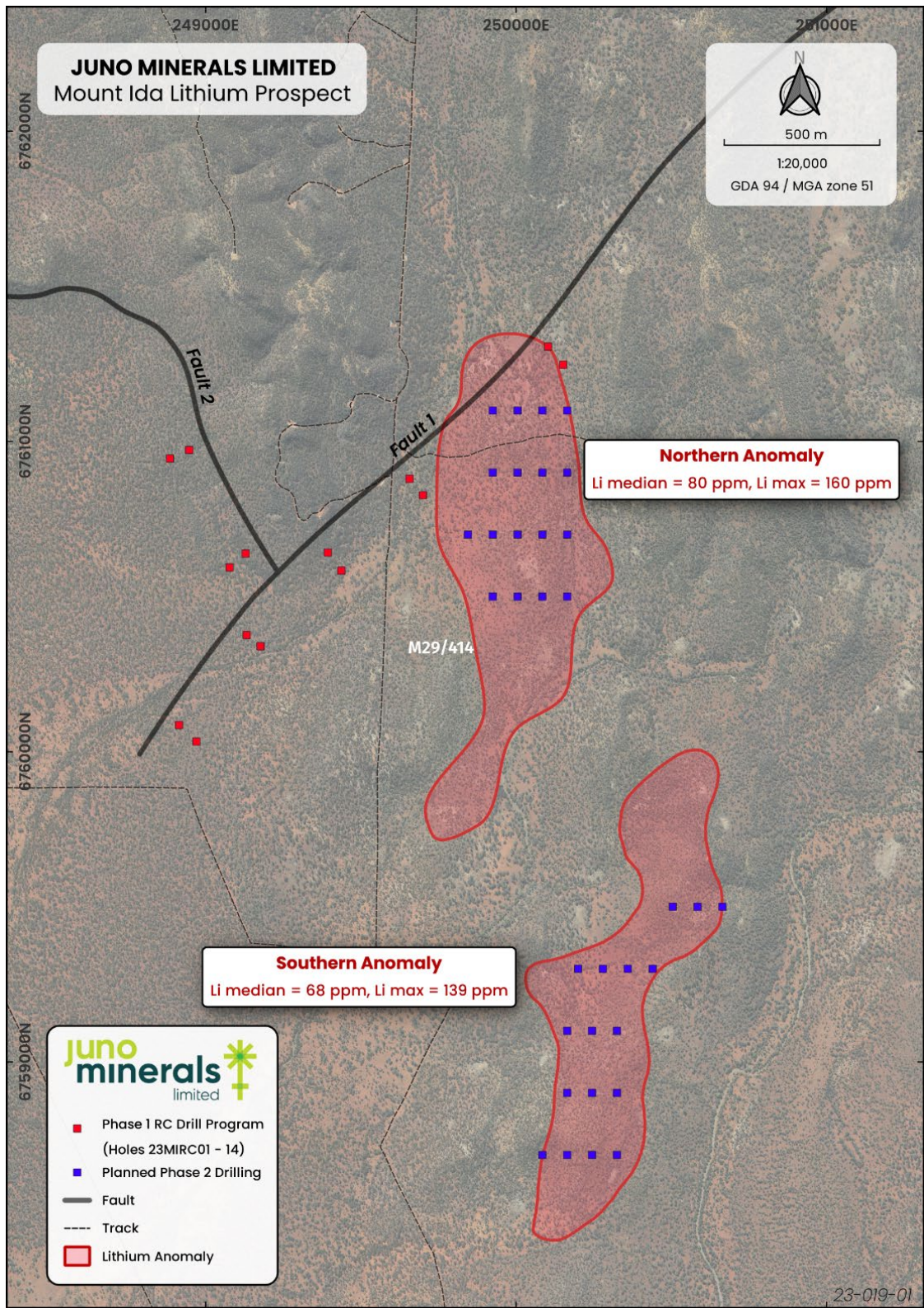


Figure 1: Geochem soil anomalies and Phase 2 planned RC drill holes

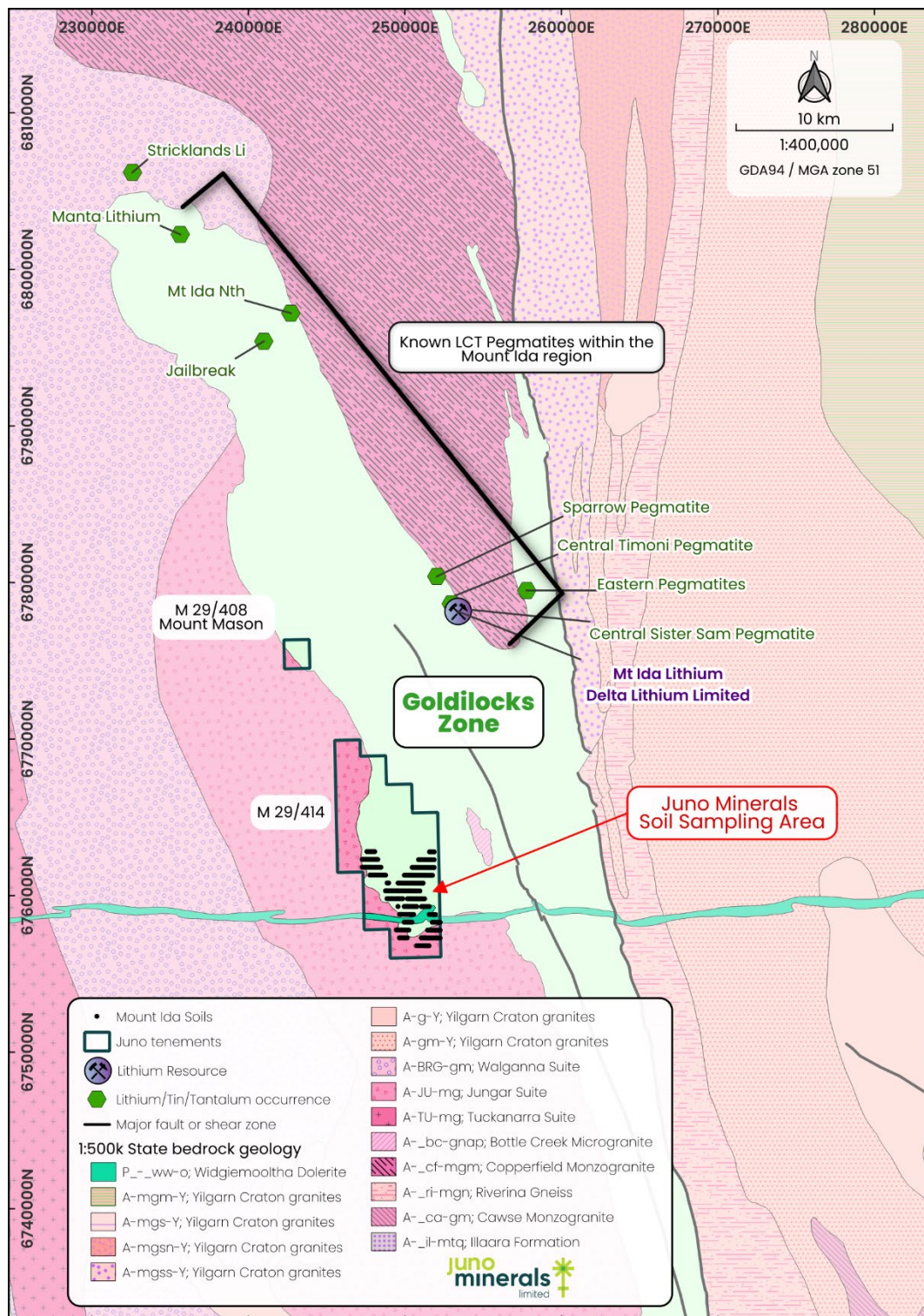


Figure 2: Known LCT Pegmatites environment – Central Yilgarn

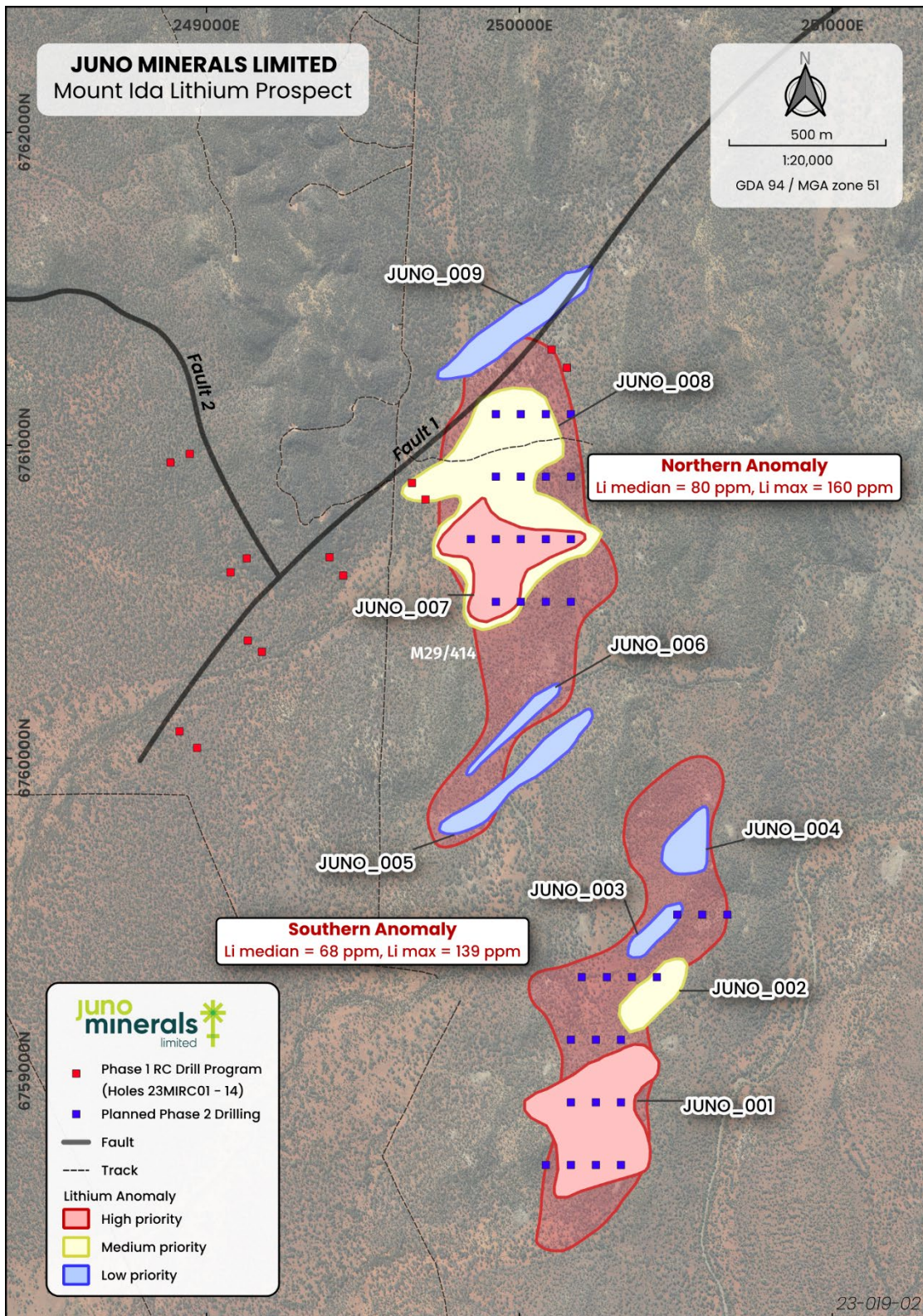


Figure 3: Geochem priority soil anomalies for targeted drilling



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The geochemical review of the two Phases of soil sampling and evaluation of the data utilising the Prospectively Index, has further refined the drill targets by prioritising areas of interest. An outcome of this work has also recommended further soil sampling to close out the anomalies on a 100 by 25 metre grid.

Juno's consulting geologists, BMGS out of Kalgoorlie, are currently on the ground, ground truthing the priority anomalies with the objective of refining drill positions to execute an effective drill campaign.

The Heritage Survey on the anomalous areas has just been completed, and drilling contractor tenders are in with Juno having the objective to be on the ground drilling in early November.

Further recommendations from the geochemical review were to undertake additional soil sampling programs on the Mount Ida mining lease in the north of the current anomalous areas and the Mount Mason mining lease.

The lithium prospectivity on Juno's Central Yilgarn tenure is very encouraging with an immediate drilling program being planned and an expanded soil testing program and evaluation of its tenure has been recommended in an emerging lithium area of interest along the Mt Ida Fault.

This announcement has been approved for release by Greg Durack on behalf of the Board.

## **CONTACTS**

### Investor Relations

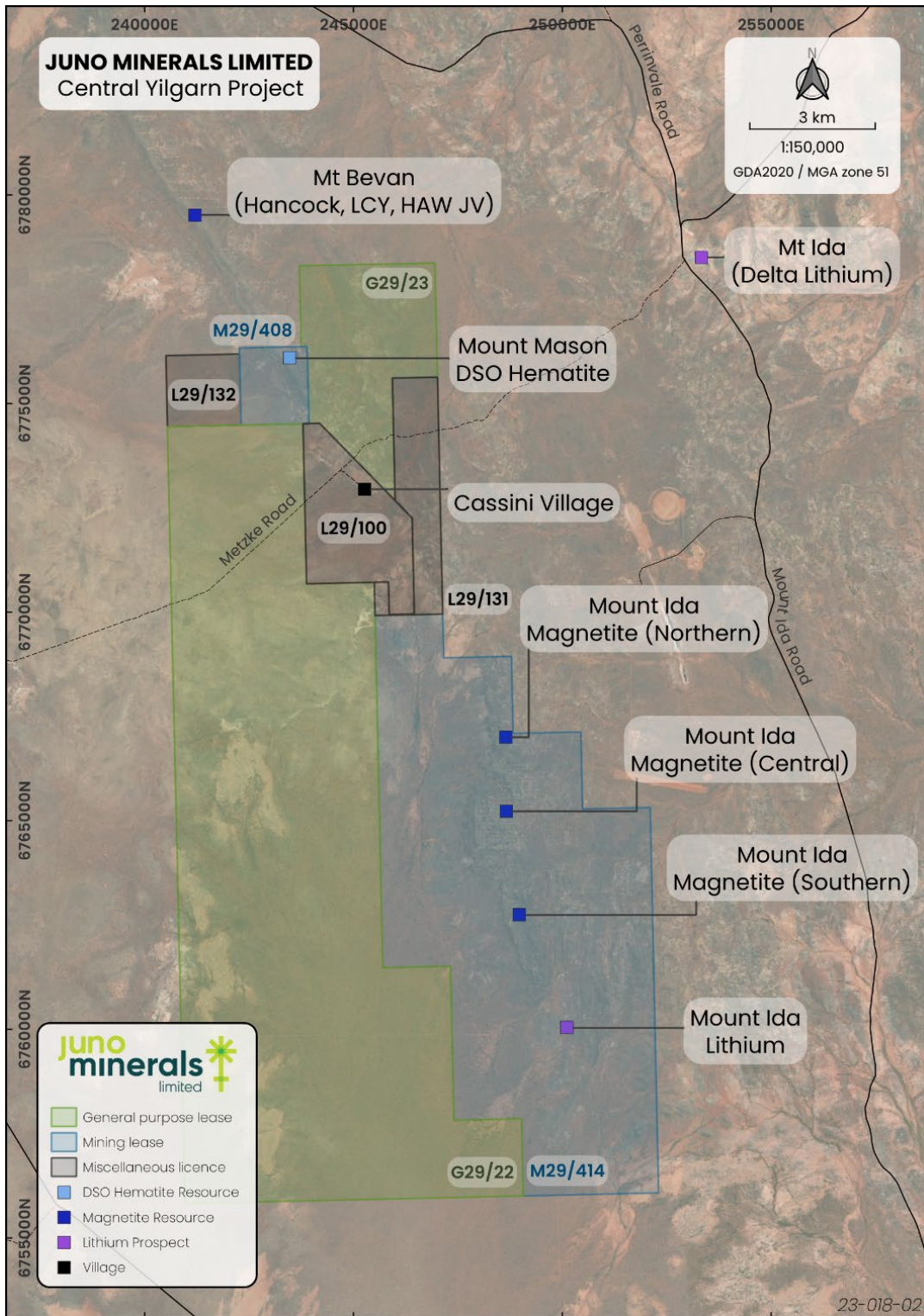
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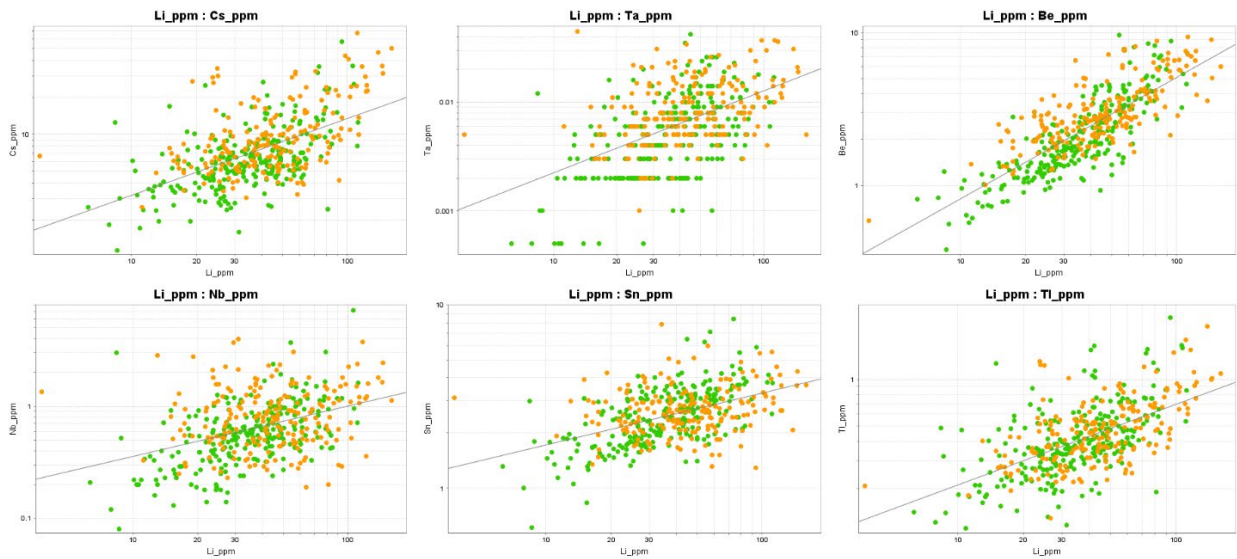
## APPENDIX 1 – Juno’s Central Yilgarn Project with Mount Ida Lithium Prospect



## APPENDIX 2 – Mount Ida Lithium Prospect – Soil Sampling Results Review

### 1 - LCT Li Correlations

Lithium (Li) correlated with the typical suite of LCT elements, with Cs, Be & Tl being dominant



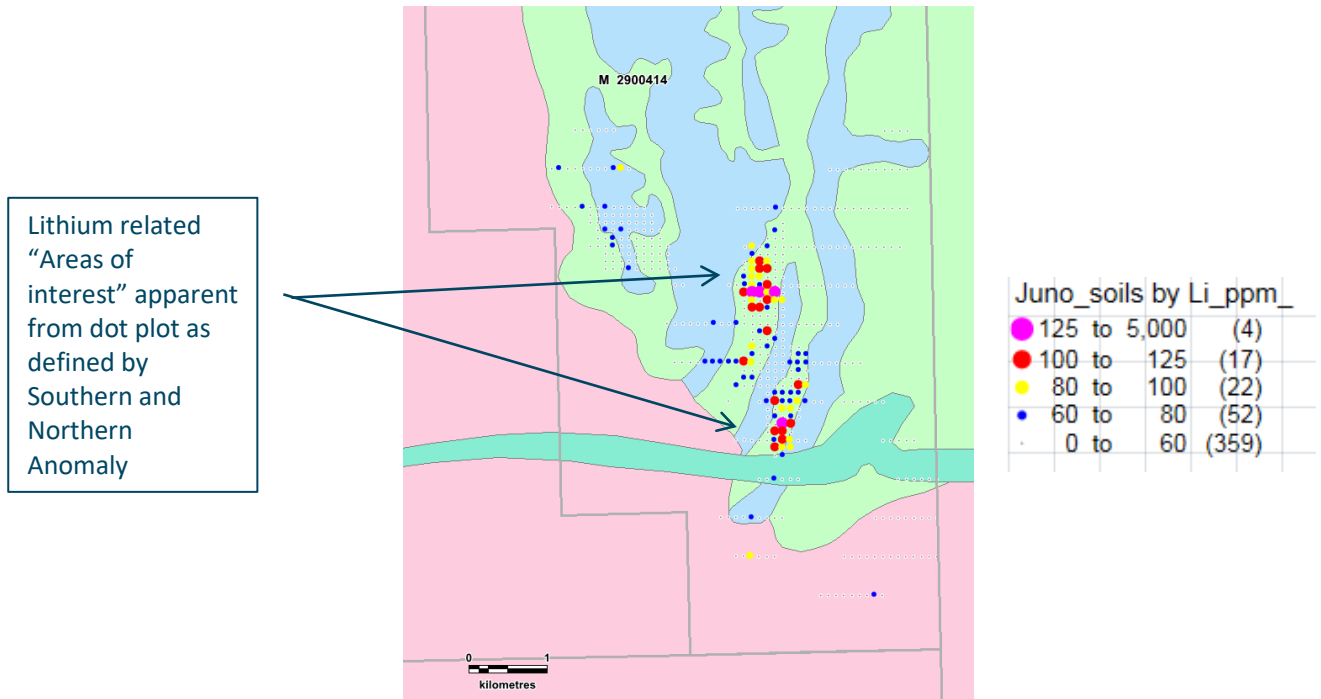
**Phase 1: Regional sampling: 500 x 100 m.**

**Phase 2: Infill sampling: 100 x 100 m.**

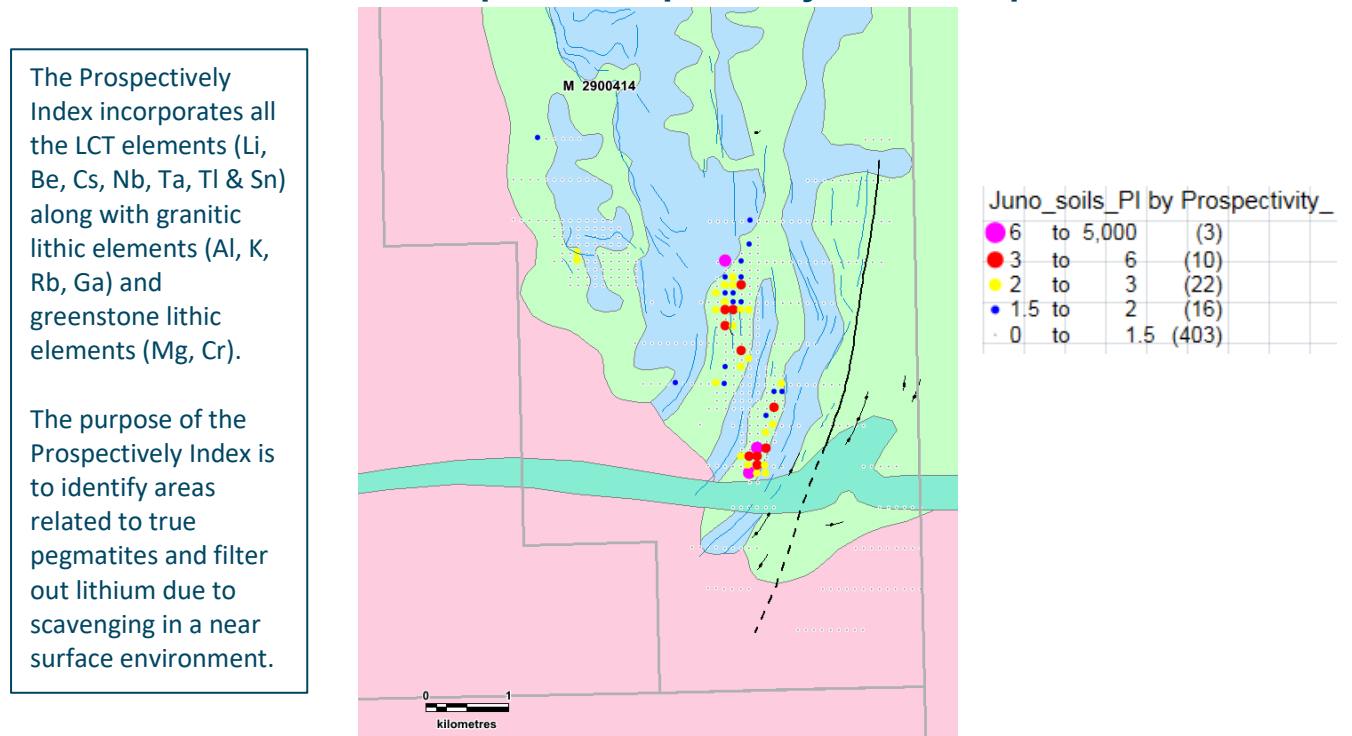
Correlation - 454...	Li_ppm
Li_ppm	1
Cs_ppm	0.59
Ta_ppm	0.4
Be_ppm	0.74
Nb_ppm	0.32
Sn_ppm	0.4
Tl_ppm	0.56



## 2 - Mount Ida Lithium Prospect: Lithium dot plot



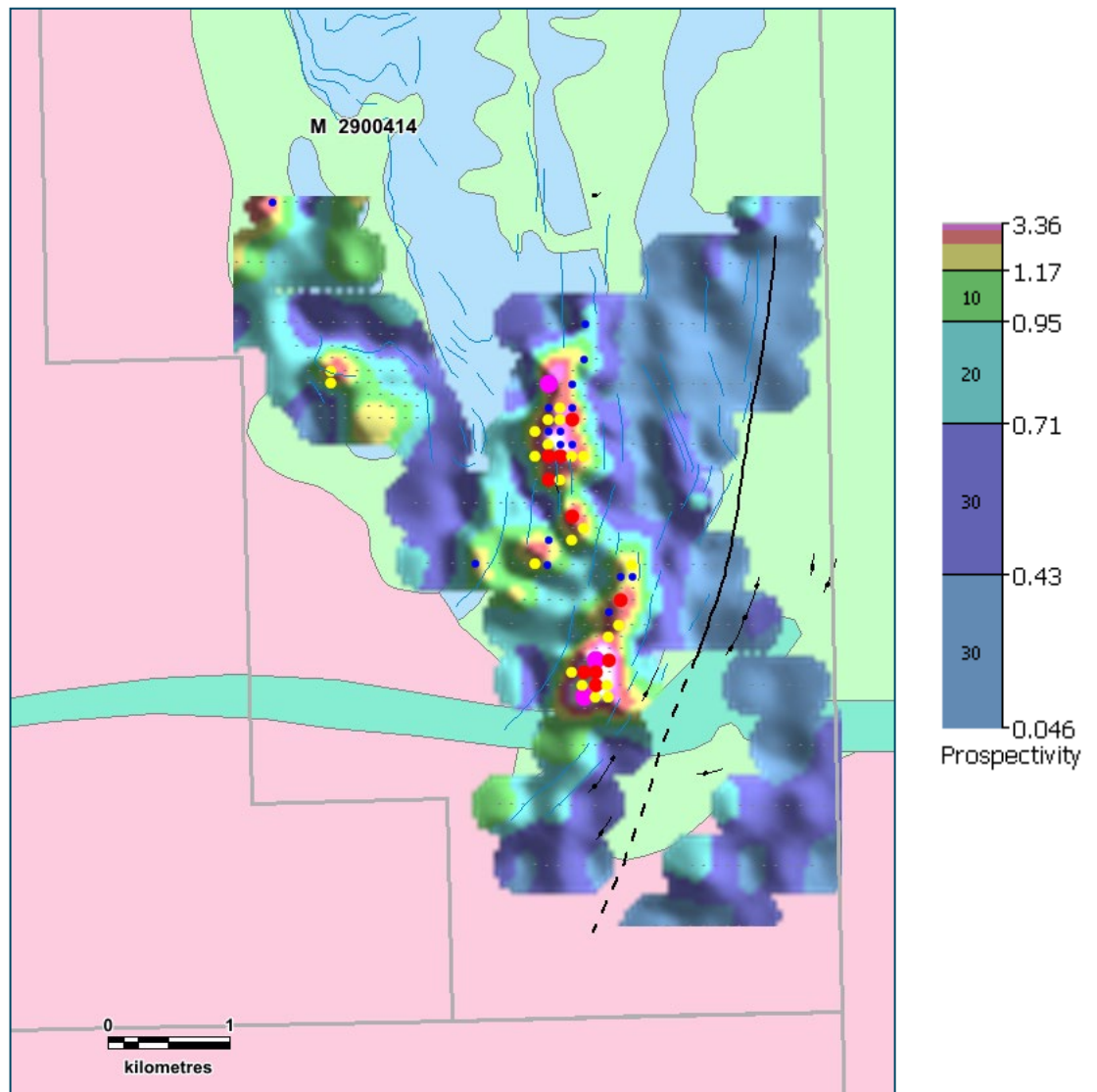
## 3 - Mount Ida Lithium Prospect: Prospectively Index dot plot



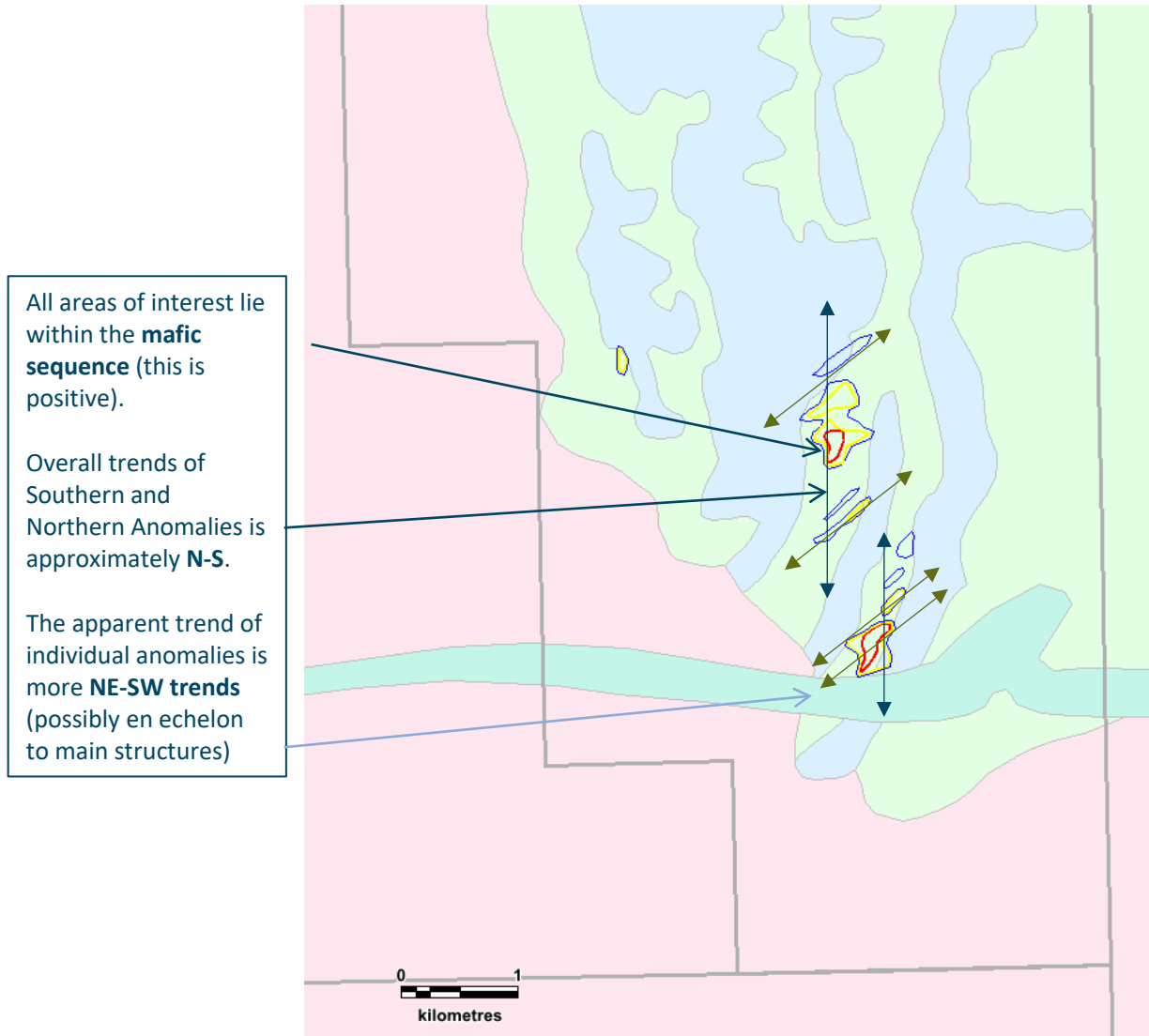


## 4 - Mount Ida Lithium Prospect: Prospectively Index image & dot plot

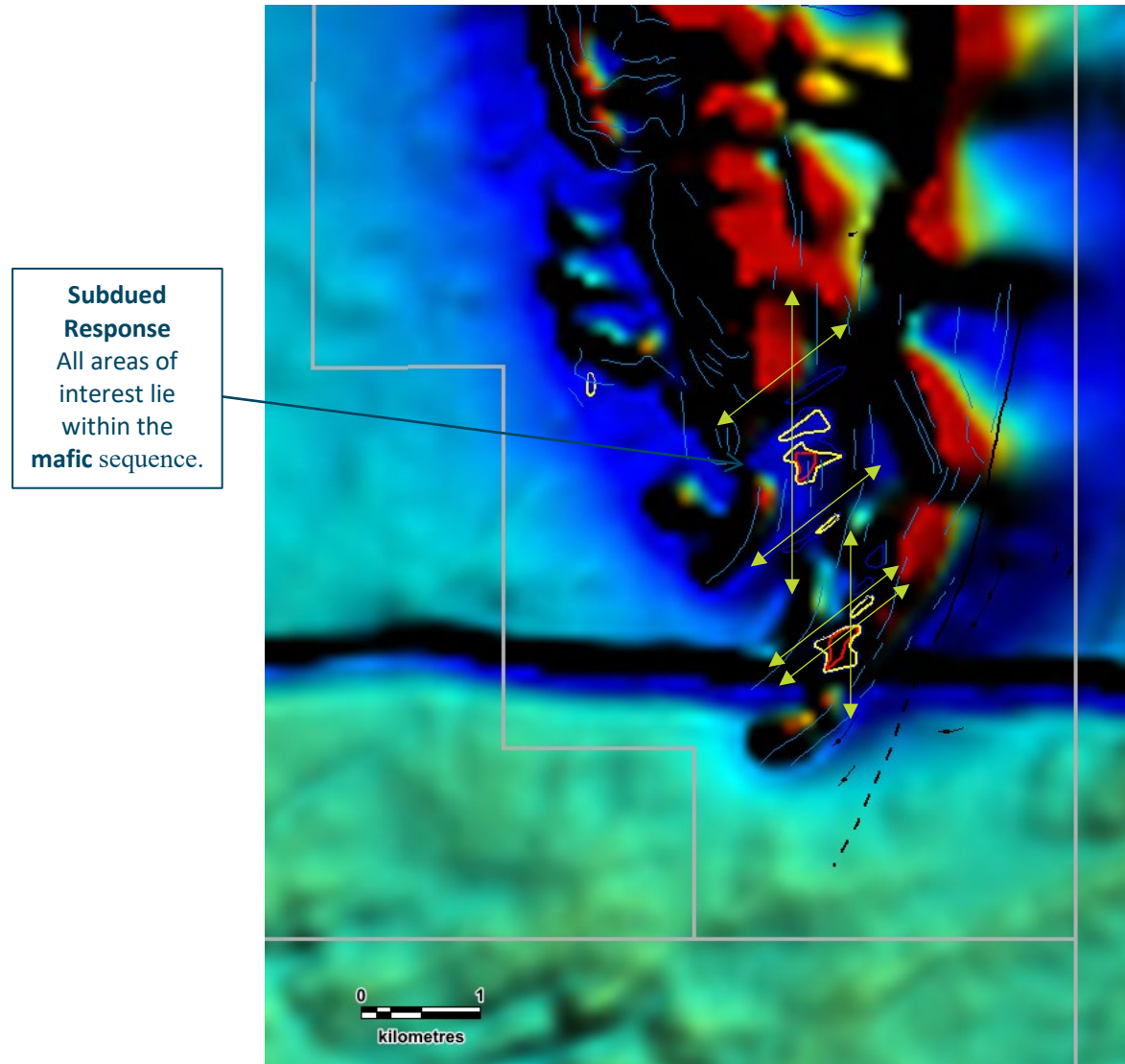
A Prospectively Index image is used to evaluate any underlying trends within the data.



## 5 - Mount Ida Lithium Prospect: Prospectively Index: Defined Areas of interest



## 6 - Mount Ida Lithium Prospect: Prospectively Index: Defined Areas of interest



## 7 - Mount Ida Lithium Prospect: Prospectively: Defined Areas of interest – priority

Total of ten (10) areas of interest defined, of these:

- **Two (2) high priority zones.**
- Five (5) low priority zones
- Three (3) medium priority zones

