



## Vector Geoscience Pty Ltd

ABN 80 086 727 273

**EXPLORATION GEOPHYSICS**

PO Box 1133  
Nedlands WA 6909  
Perth, Australia

Phone: + 61 (0) 8 9386 8894  
Email: vrgeosci@bigpond.com

ah\_stunalara\_sorell\_magrad2907.docx

Mr Andrew Haythorpe  
Stunalara metals Pty Ltd  
Suite 9, 102 Railway Street  
West Perth WA 6005

29 July 2021

Dear Andrew

### **Sorell regional magnetics and radiometrics processing results**

Enclosed is a USB flash memory containing the processed magnetics and radiometrics data. They include processed grids and bitmap images of the various magnetic and radiometric responses.

**To avoid loss of the digital data: COPY THE ENTIRE CONTENTS OF THE VOLATILE USB STICK MEMORY TO PERMANENT DIGITAL STORAGE (a magnetic hard drive). There are about 1.6GB on the USB stick.**

#### **What to do next:**

1. Read Technical Note No. 10 for details on how to use the various radiometric responses.
2. See the text file (*\*\_magnetics\_radiometrics\_images.rtf*) for details of the gridded and imaged data.
3. I suggest you start by looking at the total magnetic intensity (tmi) data and then progress to the various filtered tmi images.
4. Read Technical Note No. 10 for details on how to use the various radiometric responses.
5. I suggest you start by looking at the composite (ternary) images, then progress to the various ratio images, then look at the individual channel images.
6. The TH2 and the U2 images amplify the responses in those channels and are intended to increase anomaly resolution.
7. The K/Th (KoverTH), K/Th<sup>2</sup> (KoverTH2), K/U (KoverU) images are particularly useful for targeting potassium-rich sources.
8. The Th/K (THoverK), Th<sup>2</sup>/K (TH2overK), Th/U<sup>2</sup> (THoverU2) images are particularly useful for targeting thorium-rich sources.
9. The U<sup>2</sup>/Th (U2overTH) images are particularly useful for targeting uranium.
10. The images have been prepared to provide an overall view of the processed data. However the data have a large dynamic range and therefore you may want to make additional images from the gridded data to suit your own requirements.
11. Please feel free to contact me if you wish to discuss the results.

Good luck with it all.

Yours sincerely

Signed.

Stephen Mudge  
Consulting Geophysicist