

10 January 2023

## Airborne Geophysical Survey of Mortimer Hills Project Completed

### Highlights

- Drone Aerial Survey was carried out by Pegasus Airborne Systems
- Survey covers the prospective areas for lithium, manganese and base metal mineralisation
- Processed High-resolution photogrammetry received for Pegmatite Creek
- Results of survey indicate the method is definitive in locating outcropping pegmatites

Zeus Resources Ltd (ACN 139 183 190) (ASX: ZEU) ("Zeus" or "the Company") is pleased to announce the Company has completed an airborne drone survey at its Mortimer Hills Project (E09/2147). An airborne drone photogrammetry survey was undertaken by Pegasus Airborne Systems Ltd in late September. The survey covered ~12km<sup>2</sup> targeting the prospective zone for LCT pegmatites along the margin of the Thirty-Three Supersuite in the southern part of the E28/2147 licence. The aim of the survey was to use very high-resolution photogrammetry data to identify and locate pegmatites within the prospective zone of the Mortimer Hills project. The survey area is shown in Figure 1.

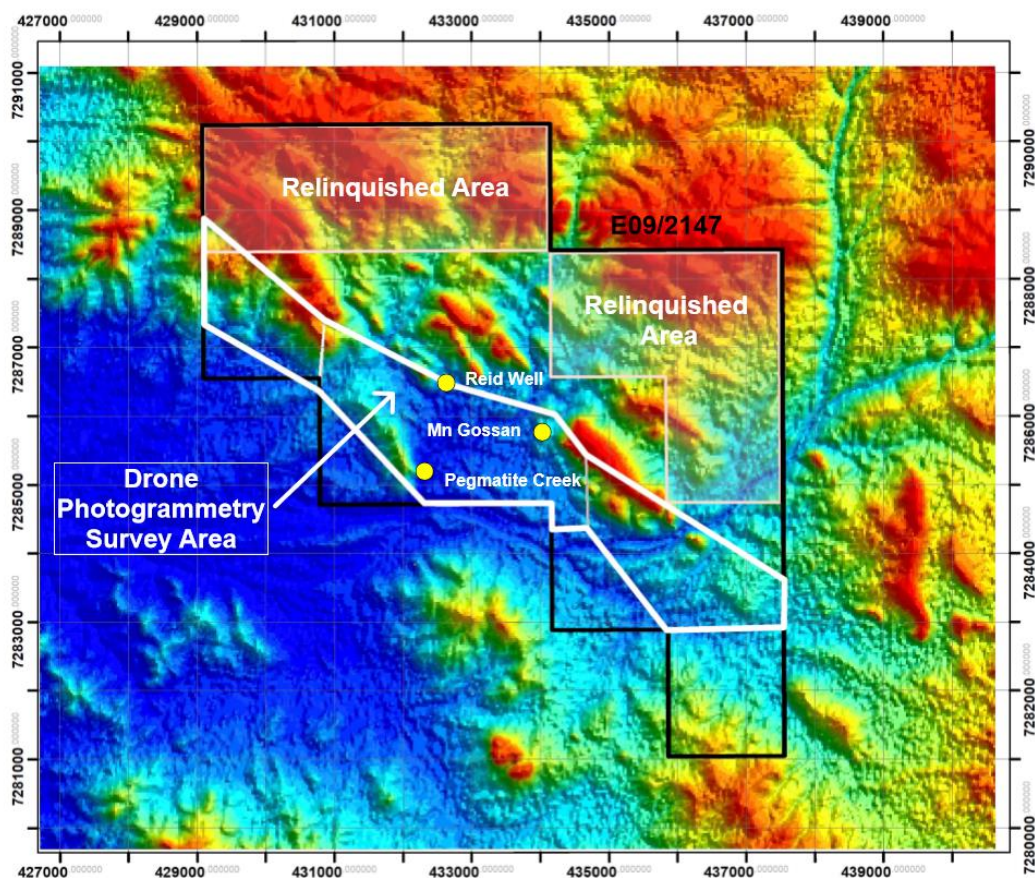


Figure 1. Drone photogrammetry survey area within Zeus tenement E 09/2147



The survey crew used a Wingtra mapping drone flown at 120m AGL to acquire photogrammetry images. The images were processed using AGISOFT to deliver a DTM and orthophoto at 3cm resolution. The processed DTM provided elevations accurate to better than 5cm which were verified by using Ground Control Points.

Western Geoscience Pty Ltd has been engaged in processing the data. The results of the very high-resolution survey are definitive. Figure 2 shows examples of the efficacy of the method whereby mapped pegmatites ("Pegmatite Creek".) are clearly imaged by the recent very high-resolution imaging. The processed photogrammetry data will be used to guide further lithium exploration and pegmatite mapping within the Mortimer Hills Project.



Figure 2. High-resolution photogrammetry (left) at Pegmatite Creek. Mapped pegmatites (right)

Limited surface geological mapping has demonstrated potential for Lithium and base metal mineralisation however the area is covered by a complex regolith including the extensive. The initial results of the drone survey indicate the method is definitive in locating outcropping pegmatites. The survey data will be used to guide Pegmatite and outcrop mapping across the whole of the tenement.

The plan next will be completing airborne magnetic and gravity surveys to map geology and geological structure to locate potential lithium and base metal targeted below the extensive regolith cover.

**Competent Person Statement:**

*Information in this release that relates to Exploration Results is based on information compiled by Mr Steve Massey, who is a Member of the Australian Institute of Geologists (AIG). Mr Massey is engaged by Zeus Resources Limited as an independent consultant. Mr Massey is not an employee of the Company, and he is a full-time employee of Western Geophysics Pty Ltd. Mr Massey has sufficient experience which 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 Massey consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.*

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This announcement was authorised for release to the ASX by the Board of the Company.

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