



ASX/Media Release

INVESTIGATOR  
RESOURCES  
LIMITED



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## Completion of Maslins' Geophysical Field Program

### Highlights

- Maslins' geophysical data acquisition program completed
- Additional 233 gravity and 58 Magneto-Telluric stations acquired
- Data modelling and interpretation underway
- Diamond drill tenders submitted – evaluation in progress
- Drilling to commence early 2020

Investigator Resources Limited (“IVR” or “Investigator”) is pleased to advise that the first field activity of the OZ Minerals’ Farm-In Joint Venture Agreement on the Maslins IOCG Project has been completed.

This geophysical program, designed to further define the 6km long Maslins’ anomaly, included infill gravity and Magneto-Telluric (“MT”) surveys over the southern extent of the target.

Detailed interpretation and modelling of this newly acquired data is underway and, when completed, will enable enhanced targeting for the drilling scheduled to commence in early 2020.

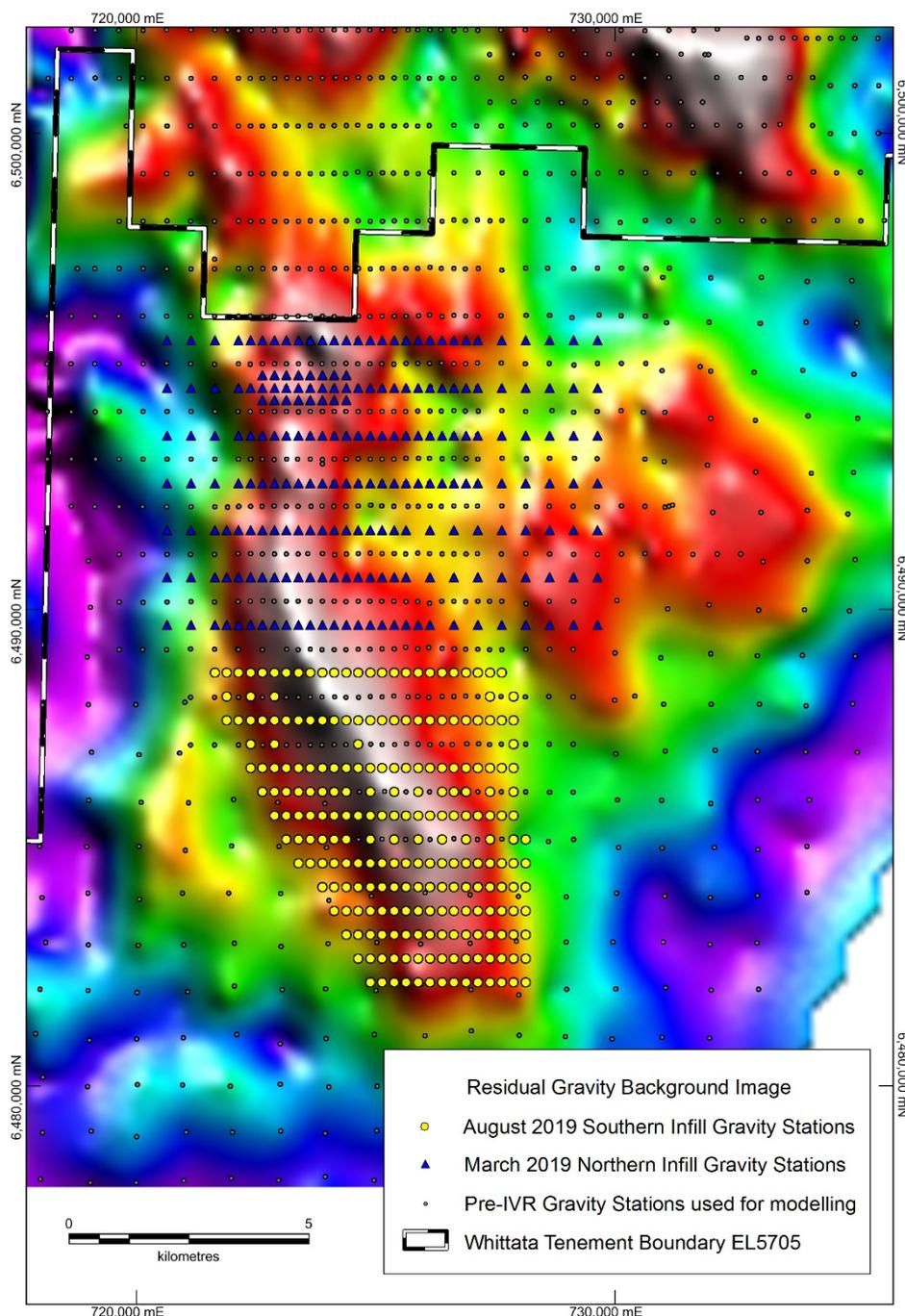
### Infill gravity survey

In 2015, Investigator interrogated the available gravity data across its Stuart Shelf tenements and determined three reliable datasets of various spacings (from 250m x 500m out to 1,000m x 1,000m) covered the Maslins’ target area. Initial modelling identified a significant residual gravity anomaly coincident with a broad magnetic anomaly. A more recent gravity survey focussed on the northern part of the Maslins’ gravity anomaly.

One aspect of the work plan agreed with OZ Minerals is to complete a more detailed infill gravity survey across the southern part of the Maslins’ gravity anomaly.

Daishsat, a contractor specialising in gravity survey acquisition, was engaged by Investigator to bring the coverage across the 6km strike-length of the anomaly to a minimum density of 500m x 250m – as shown in Figures 1 and 2 below.

This new survey, completed in August 2019, was tied-in and merged with the data of the four previously completed surveys. Modelling of the data is underway and will produce a revised set of gravity isoshells, with improved resolution of the gravity anomaly.



**Figure 1:** Infill gravity stations across the southern aspect of the Maslins IOCG Project. Previously released residual gravity image as background to show relationship of new survey stations to anomaly.



**Figure 2:** *Daishsat personnel undertaking infill gravity survey across the southern portion of the Maslins IOCG Project.*

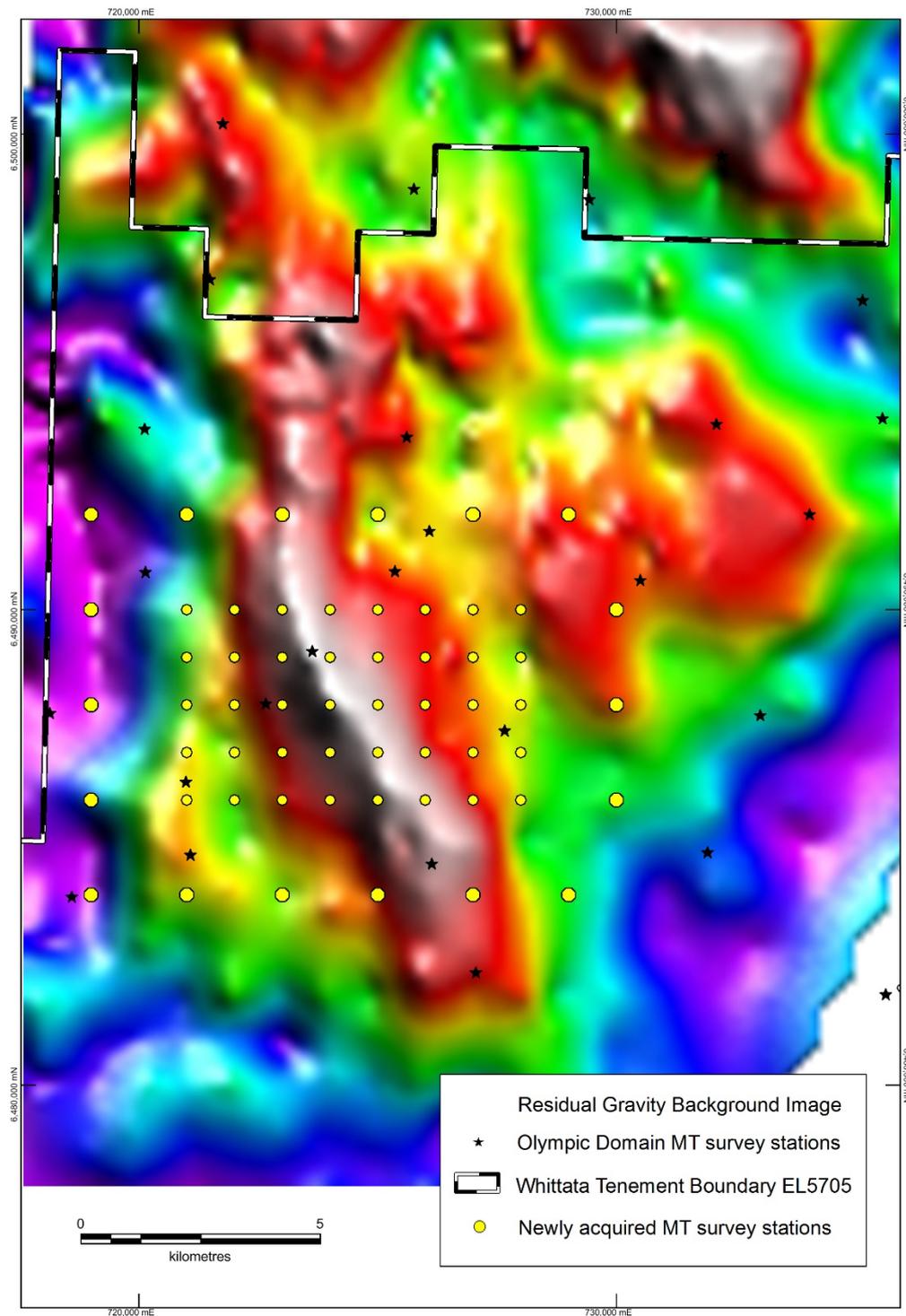
### **Detailed MT survey**

The initial MT data across the Maslins IOCG Project area was derived from the 2018 Olympic Domain MT survey, which incorporated data from Geoscience Australia's AusLAMP program, and the additional six stations commissioned by Investigator in 2018.

Following the release of the Olympic Domain MT Survey dataset in December 2018, Investigator's consultants constructed a 3-D conductivity model - constrained to the Maslins region - which interpreted a conductivity "flare" approximately 5km in diameter extending from mid-crustal depths towards the Maslins' gravity anomaly.

This additional information provided a compelling case to drill test the anomaly and Investigator sought a partner to fund the drill program under a Farm-In agreement. OZ Minerals committed to fund up to \$10 M over 5 years to earn up to a 70% interest in the Maslins IOCG Project (ASX: IVR - 15 July 2019).

In September 2019, Zonge, the geophysical survey consulting group who had previously conducted the MT work, was engaged by Investigator to complete an infill program of 58 stations on a 1km x 1km station spacing grid directly over the Maslins' gravity anomaly (expanded to 2km x 2km station spacing distal to this area) - as shown in Figures 3 and 4 below.



**Figure 3:** Additional Magneto-Telluric stations completed across Investigator’s Maslins IOCG Project. Previously released residual gravity image as background to show relationship of new survey stations to anomaly.



**Figure 4:** Zonge personnel acquiring Magneto-Telluric data over Investigator's Maslins IOCG Project.

A number of these newly acquired stations were taken as “short station reads” – or over lesser time duration - to better resolve the upper 2km of the previously modelled deep ‘conductive flare’.

Interpretation and both 2D and 3D modelling is in progress and the results of this work will provide a higher resolution of the MT data and a refined and detailed model of the Maslins MT anomaly. This will give greater confidence to the final drill hole design – targeting to test both the MT conductivity and gravity targets.

Modelling will be completed in late October enabling finalisation of drill hole designs. Drill tenders will then be awarded with drilling of the Maslins’ target to commence in early 2020 as previously indicated.

**About Investigator Resources:**

Investigator Resources Limited is a metals explorer with a focus on the opportunities for silver-lead, copper-gold and other metal discoveries.

Investigator's assets include the 100% owned Paris Silver Project, the 100%\* owned Maslins IOCG Project and other prospective tenements within South Australia.

Shareholders are encouraged to stay abreast of the Investigator's announcements by registering on the following weblink address:

<http://www.investres.com.au/subscribe/subscribe.asp>

\* subject to OZ Minerals earn-in agreement

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