28 May 2025

GEO Exploration Limited

(Formerly Global Petroleum Limited)

("GEO " or the "Company")

Juno Project - Results of Geophysical Modelling

Key Highlights

- Integrated 3-D magnetic-and-gravity modelling has refined an IRGS style target and places the top   of the primary body approximately 600m below surface

- Unconstrained and forward models converge on a single, coherent footprint spanning roughly 4 km × 2 km, confirming the system's large scale

- Historic hole PHD001 stopped just short of the newly modelled body, highlighting immediate drill potential

- Ground-based electrical geophysics starts next with data to allow finalisation of drillhole locations ahead of Juno's maiden drilling programme in the coming months

GEO Exploration Limited (LSE AIM: GEO) is pleased to announce positive results of geophysical modelling at its Juno project. The Juno project is located in central Western Australia where the company is conducting exploration for large Intrusion Related Gold Systems (IRGS) which host precious and base metal mineralisation.

Between late 2024 and early 2025, the Company collected airborne geophysical and ground-gravity data at the Juno Project; results were announced on 16 January 2025 (RNS) and showed a significant gravity response at Juno, aligning with a prominent magnetic feature, covering an area of 4km x 2km. This alignment (coincident response) is a typical signature of IRGS style mineralisation.

The detailed magnetic and gravity data sets have recently been further integrated and modelled to refine IRGS type mineralisation targets with accurate 3D spatial definition. Encouraging results have been achieved from independent unconstrained and forward modelling techniques demonstrating the large size of the target and robust data set.

Unconstrained 3D Modelling confirms the alignment of magnetic and gravity modelled bodies (Figure 1), and that the size of the modelled bodies is large, covering a footprint of approximately 4km x 2km. These results are consistent with preliminary reviews completed in early 2025.

Forward Modelling of the detailed magnetic and gravity data sets was carried out independently during April and May 2025. This modelling technique is the same used for the Havieron IRGS deposit (+8Moz gold equivalent) prior to drilling of discovery holes during 2018. Results of forward modelling at Juno define a chain of contiguous bodies over a strike of several kilometres (Figure 2) which are considered the primary target.
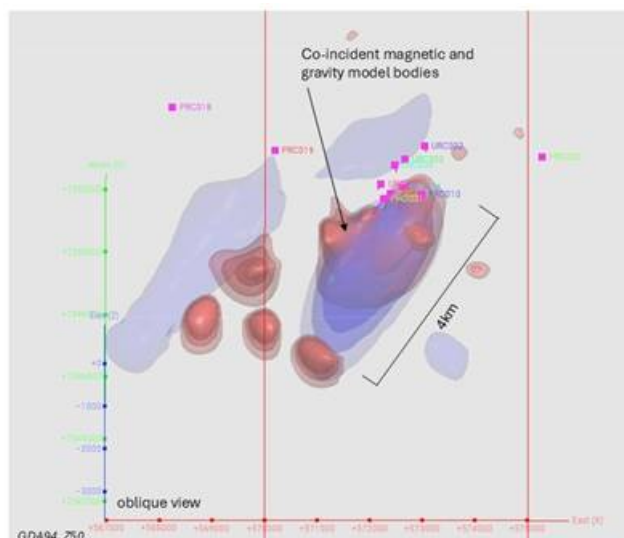
Figure 1 - Juno Project 3D unconstrained results showing coincident magnetic and gravity model bodies

Model bodies from Forward Modelling sit tightly within the envelope of the Unconstrained Model bodies. That is, the output of the two independent modelling techniques are aligned, providing a high degree of confidence in the output.

A very good fit for magnetic and gravity data was seen in the Forward Modelling model body profiles (Figure 3). Depth to top of primary target modelled bodies is approximately 600m below surface showing that a historic deep drillhole (PHD001) was terminated just short of the primary target despite showing proximal alteration and sulphide mineralisation suggesting 'close to source'.
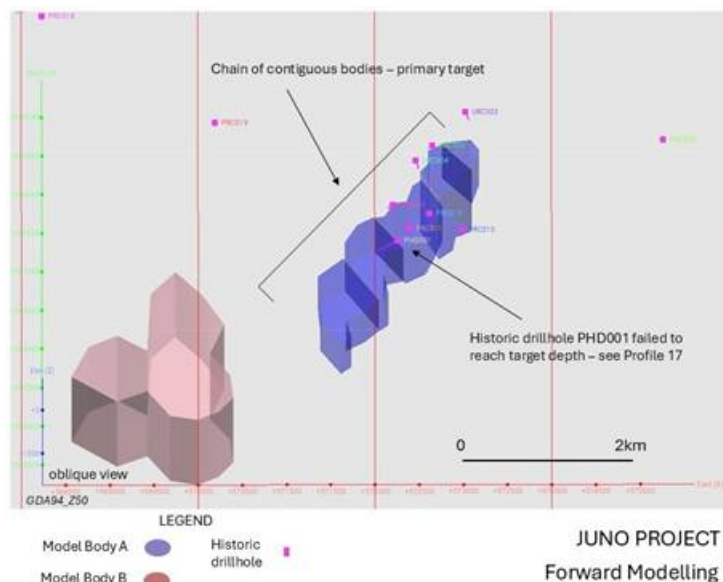
Figure 2 - Juno Project 3D Forward Modelling results showing primary target
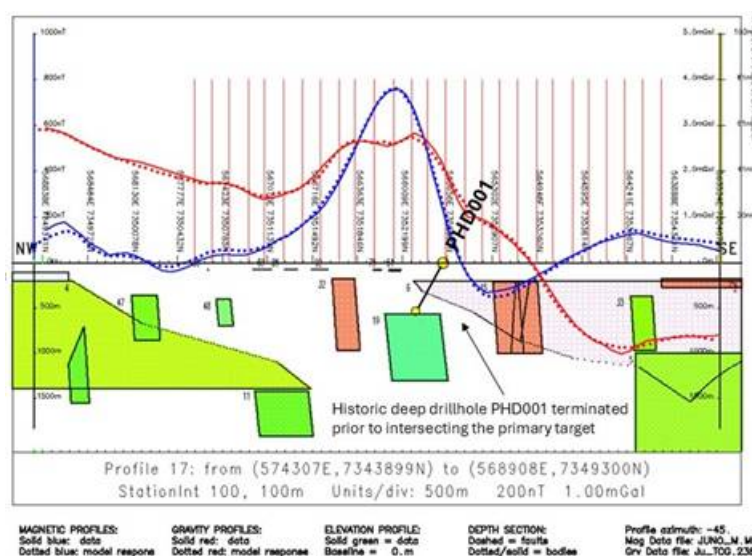
Figure 3 - Juno Project Forward Modelling Profile 17 showing primary target model body 19

The Company is using an IRGS exploration model seeking to locate precious and base metal mineralisation, similar to that at the Havieron and Telfer deposits in northern Western Australia. Activities at Juno to date include recently announced aeromagnetics, lidar, ground gravity, and unconstrained and forward modelling of data.

Ongoing work at Juno will include ground based electrical geophysical surveys to detect subsurface conductive material. Models derived from the exploration data sets will enable enhanced targeting of drillholes in advance of the Company's initial drilling programme at Juno.

Callum Baxter, Geo's joint venture partner commented:

"It is very pleasing that modelling has provided excellent results in our targeting efforts for IRGS style mineralisation at Juno. The detailed data sets recently collected have allowed the generation of robust 3D models which demonstrate the large size of the Juno target. I look forward to the imminent start of ground electrical geophysics furthering our collaborative efforts at Juno."

Omar Ahmad, CEO of Geo Exploration Limited, commented:

"These integrated modelling results deliver exactly what we hoped for: a coherent, large-scale target validated by two independent techniques. We have always had high conviction in both the Juno asset and the world class team driving it forward. We are moving swiftly into ground IP and EM to enhance drillhole targets and are scheduled to commence our first drilling at Juno in the coming months. This is a very exciting time for Geo and our aim is deliver a significant valuation uplift through our portfolio of projects."

COMPETENT PERSON - The information in this announcement relating to the project is deemed to be a true representation of the exploration results. Mr Steven Andrew Milner has sufficient experience, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore

The information contained within this announcement is deemed by the Company to constitute inside information under the UK Market Abuse Regulations ("MAR"). Upon the publication of this announcement via a Regulatory Information Service ("RIS"), this inside information is now considered to be in the public domain.

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