



# RAPTOR PROJECT

## TECHNICAL OVERVIEW AUGUST 2021



## INTRODUCTION

To align with IGO's strategic focus on clean energy metals, IGO prioritises the exploration of terranes prospective for polymetallic magmatic nickel sulphide and sediment hosted copper deposits.

The Company has acquired exploration access to extensive belt-scale land positions across Australia and in Greenland, and all are highly prospective for multiple large base and precious metals discoveries (Figure 1).

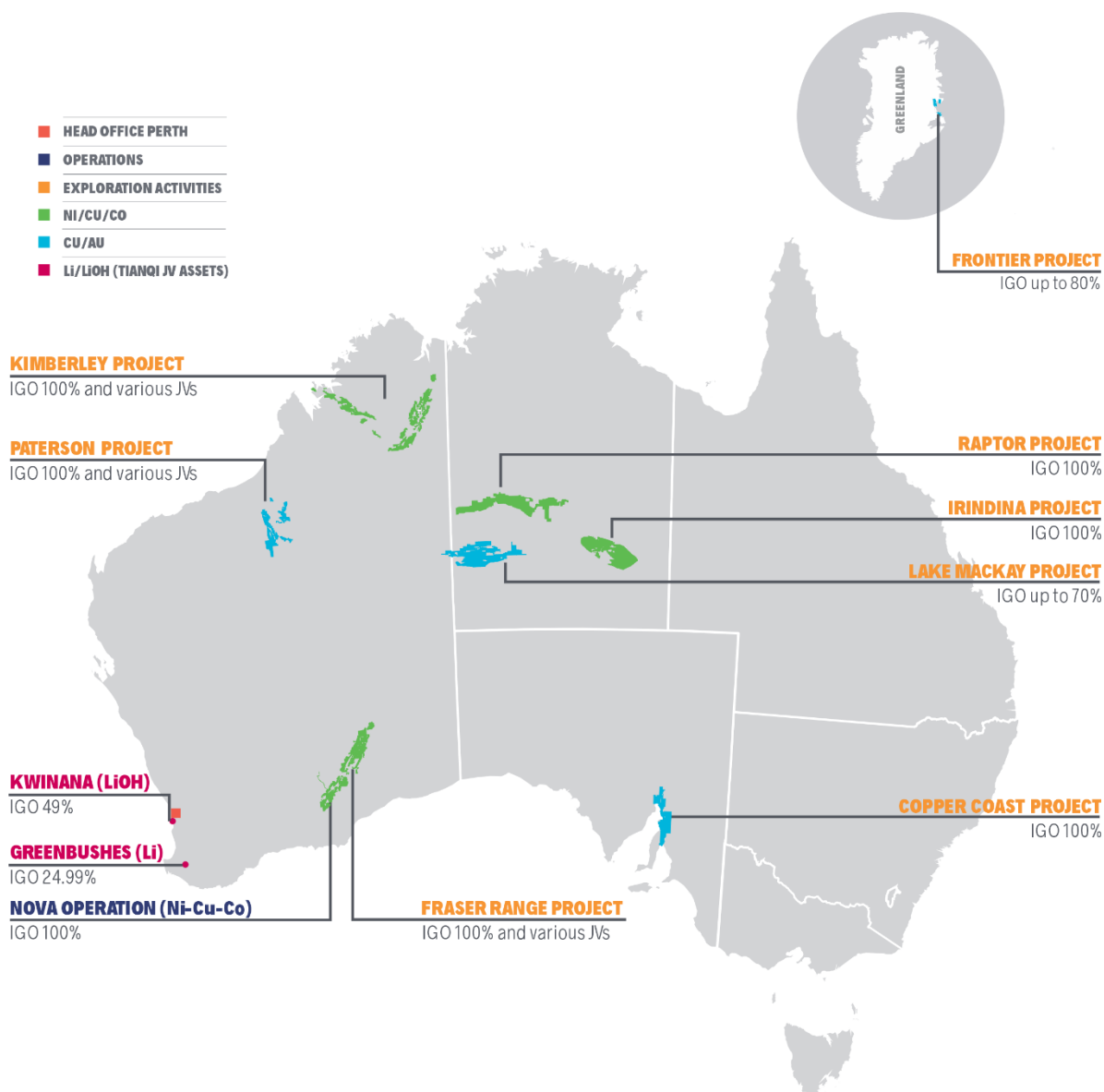


Figure 1 - Location Map of IGO's Belt-scale Exploration Projects and Operations



## TECHNICAL OVERVIEW

Raptor is a first-mover, belt-scale project where IGO is targeting the coincidence of a continent scale paleo craton margin and a regional scale gravity ridge anomaly (“Willowra Gravity Ridge”) in the Aileron Province (Figure 2). This geological feature is similar in scale to the Fraser Zone of the Albany Fraser Orogen and the Halls Creek and King Leopold Orogens in the East and West Kimberley, respectively. Access to the opportunity has been secured through open staking on a 100% IGO-owned basis.

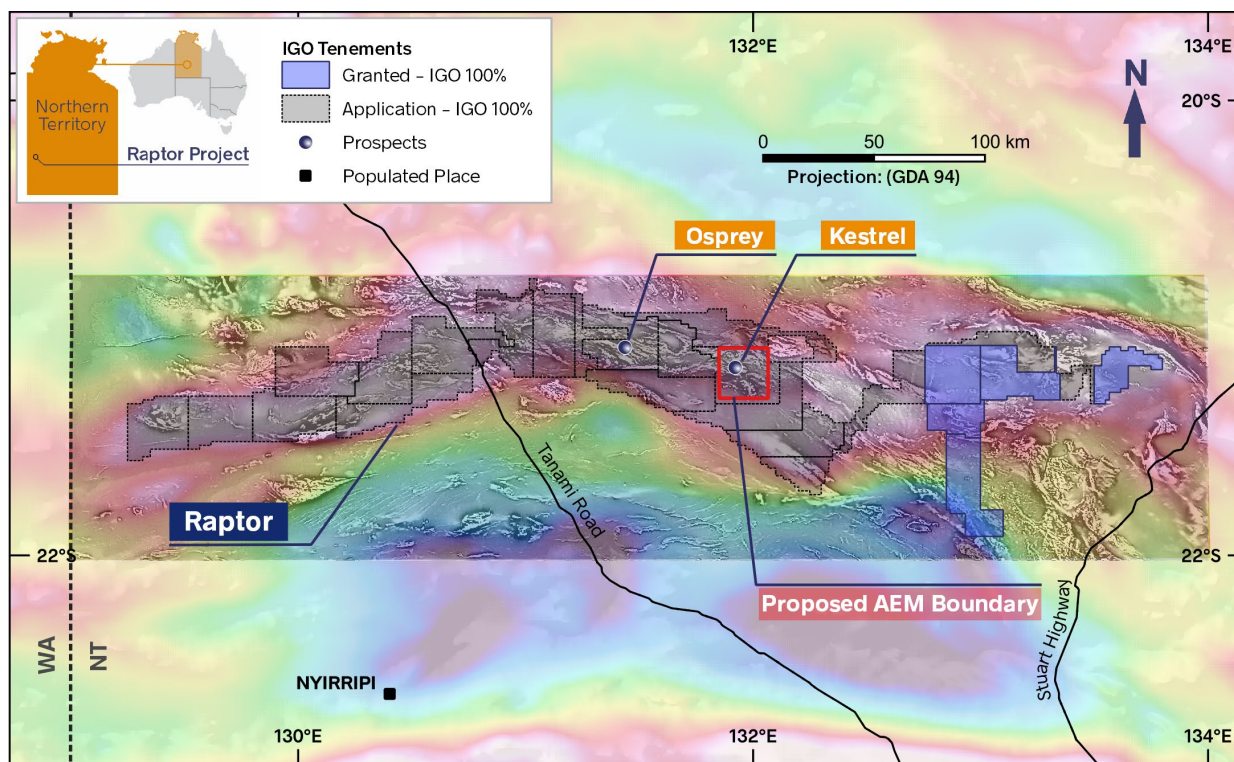
Previous work in the area has only focused on gold exploration. Extensive vacuum and rotary air blast (RAB) drilling had been completed by previous explorers, but most of the samples collected were only assayed for gold and arsenic. IGO’s review of Northern Territory government open file data reports found one company that analysed for a broader suite of elements in the mid-1990’s and identified mafic and ultramafic rocks in the area. That company reported an intercept of 4m grading 1.35% Ni and 0.21% Cu from 39m in a metagabbro at the Osprey Target, and 28m grading 0.32% Ni and 0.31% Cu from 20m at the Kestrel Target in an “amphibolite”<sup>1</sup>. These results may be akin to the first discovery of nickel and copper at the Talbot Prospect in the Fraser Range during the early 1970’s, demonstrating that the processes required to potentially form world-class magmatic nickel-copper mineralisation has occurred in the terrane.

On-ground exploration by IGO is yet to commence due to the need to secure agreements with traditional owner groups prior to the granting of tenements. An on-country meeting was recently held and IGO is working with the Central Land Council to finalise a deed for exploration that will cover the entire Project.

IGO has proactively collected airborne geophysical data across the entire belt through collaborative funding programs with the Northern Territory Geological Survey as part of their Resourcing the Territory initiative. The entire project area is now covered by 100m-spaced lines of aeromagnetic and radiometric data, and co-funding has recently been awarded to commence Airborne Electromagnetic surveying at a high priority area which includes the Kestrel Target.

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<sup>1</sup> Edwards SE and Kellow M, 1996a. Annual Report for the Period 13 September 1994 to 12 September 1995, Tanami Project, EL6743, 6744 and 6745. Sons of Gwalia Limited. Open File Company Report, Northern Territory Geological Survey, CR1996-0011.



**Figure 2 - Raptor Project tenements on colour Bouguer Gravity on TMI1VD grayscale aeromagnetic image, highlighting the Willowra Gravity Ridge & associated magnetic terrane hosting mafic-ultramafic intrusions**

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