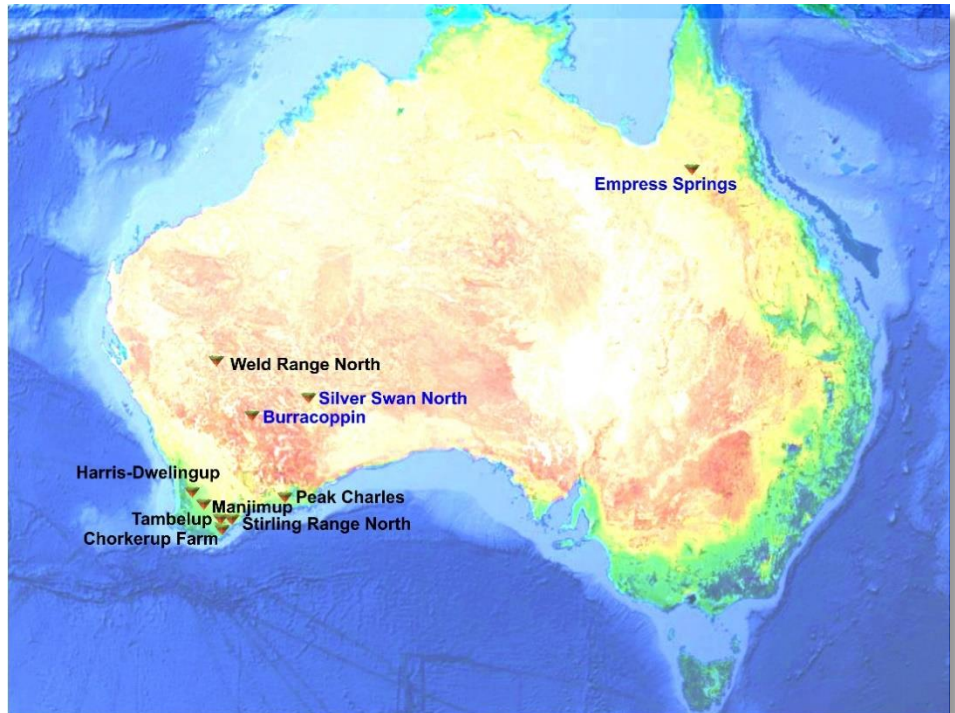


## RARE EARTHS EXPLORATION OVERVIEW

Moho Resources Limited (ASX: MOH) (“Moho”, “the Company”) is pleased to provide an overview on the Company’s recently initiated exploration activities for rare earths at its projects in Western Australia and Queensland (Figure 1).



**Figure 1: Moho’s exploration projects in Western Australia and Queensland**

Rare Earths Elements (REE) are a group of 17 elements that have importance in technology. The uses of REE extend to powerful magnets, batteries, lights, screens, glass, catalysts, steel alloys, computers and missile guidance systems.

Accessible and mineable deposits of rare earths are scarce. Until recently China has monopolised the global rare earths market, but this has begun to change as more countries are expanding their search for these elusive elements. Current analyst commentary suggests that, if all rare earth projects slated to get up and running by 2030 are successful, there will still be a significant supply deficit.

The anticipated global supply shortage of REE is reflected in a recent surge in exploration for REE in Australia. Furthermore, Moho has noted a significant increase in exploration activity for them in close proximity to some of the Company’s project areas.

*“The Company is well placed to capitalise on its strategically located projects for rare earths. The expanding supply shortages for rare earth minerals will provide Moho with opportunities to create value for the company and its shareholders.”*

- *Mr Ralph Winter, Managing Director*

**MOHO**  
RESOURCES

ASX:MOH

Address

Office 3 / 9 Loftus Street

West Leederville, WA, 6007

T +61 (08) 9481 0389

+61 (08) 9463 6103

E [admin@mohoresources.com.au](mailto:admin@mohoresources.com.au)

W [mohoresources.com.au](http://mohoresources.com.au)

 [@MohoResources](https://twitter.com/MohoResources)

Corporate Directory

NON EXECUTIVE CHAIRMAN

Terry Streeter

MANAGING DIRECTOR &

COMPANY SECRETARY

Ralph Winter

NON EXECUTIVE DIRECTOR

Shane Sadleir

NON EXECUTIVE DIRECTOR

Adrian Larking

**ASX**  
ANNOUNCEMENT

14 September 2022

The Burracoppin project is situated in the WA Wheatbelt (Figure 2) and is located about 15km northeast of the regional town of Merredin and 22km west of the Edna May gold mine operated by Ramelius Resources.

Since entering into the JV agreement with IGO to farm in to E70/4688 in 2015, Moho has undertaken extensive exploration at the Burracoppin Project and has identified significant gold and silver mineralisation at the Crossroads prospect (refer to Moho's Quarterly Report to 31 December 2021 for latest update).

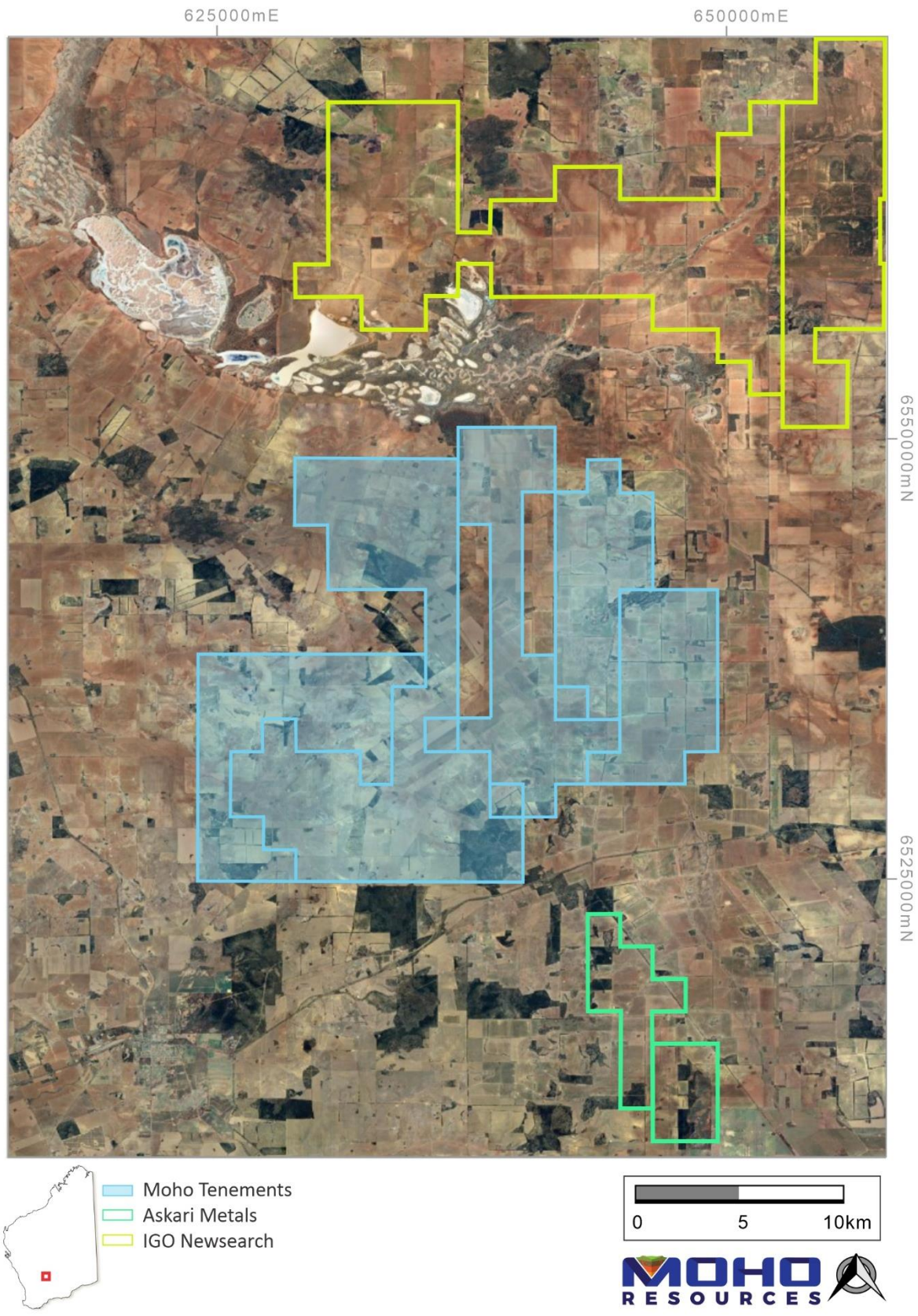


Figure 2: Moho's Burracoppin Project in relation to IGO's tenements at Lake Campion on Google Earth imagery

Moho and IGO Limited (ASX:IGO) formed an unincorporated joint venture for the purpose of exploring and, if warranted, developing and mining on E70/4688. IGO's 30% interest will be free carried until completion of a pre-feasibility study, at which time IGO may elect to contribute pro-rata to ongoing work or convert its 30% interest to a 10% free carried interest. Moho has also undertaken substantial exploration around E70/4688 and expanded the tenure of the Burracoppin Project. In addition to Moho's 70% interest in E70/4688, it now owns a 100% interest in granted exploration tenements E70/5154, E70/5299-5302 and E77/2671 which cover 454 km<sup>2</sup> (Figures 2 & 3).

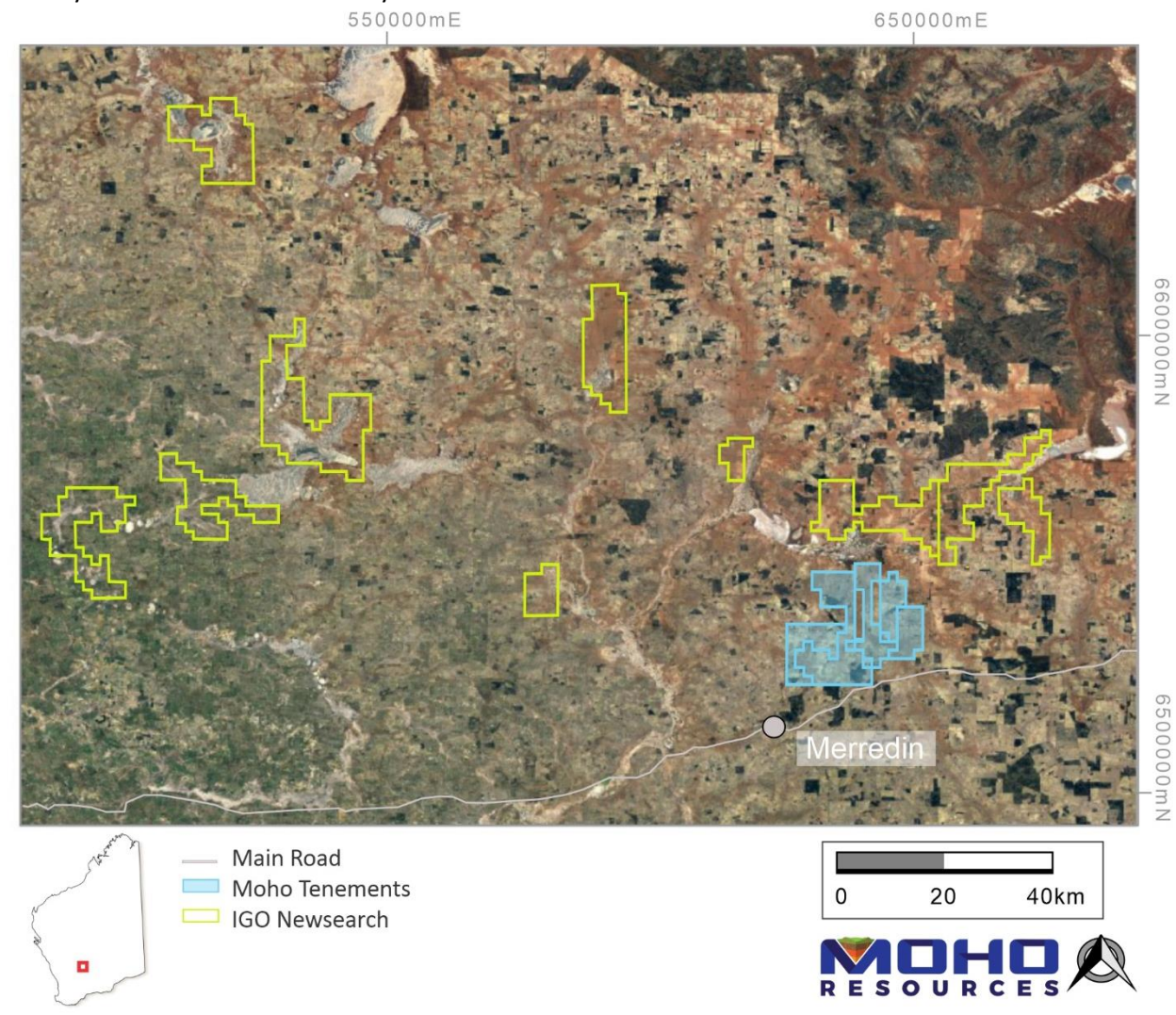
**IGO Exploration Activity for REE – Lake Campion:**

IGO reported in its Quarterly Activities Report to the ASX on 27 July 2022 that it had applied for ten exploration licences and also acquired 11 privately held granted exploration licences and licence applications in the Central Wheatbelt of WA (collectively named the Lake Campion Project) (Figures 2 & 3). The area was identified separately by IGO and its private partner as an area of high prospectivity for REE, and especially for the highly valued heavy rare earth elements (HREE).

IGO reported that it has developed a unique in-house model for paleochannel-hosted HREE concentration in the Lake Campion area and will be the subject of IGO's planned exploration. Following some initial test work, IGO plans to apply the very low impact passive seismic technique to map the near surface regolith and to then target specific areas for sampling and possible drilling.

**Moho Rare Earths Exploration at Burracoppin:**

Moho has built up a substantial geochemical, geological and geophysical database on the Burracoppin Project and has retained a suite of sample pulps from soil sampling and aircore, RC and diamond drilling. Moho's consultant geochemist Richard Carver is currently reviewing the available geochemical data to identify areas within its tenements that may host REE and other critical minerals. The Company anticipates releasing the results of this preliminary work to the market shortly.



**Figure 3: Burracoppin tenements in relation to tenements recently applied for by IGO Ltd for heavy rare earths. (Lake Campion Project)**

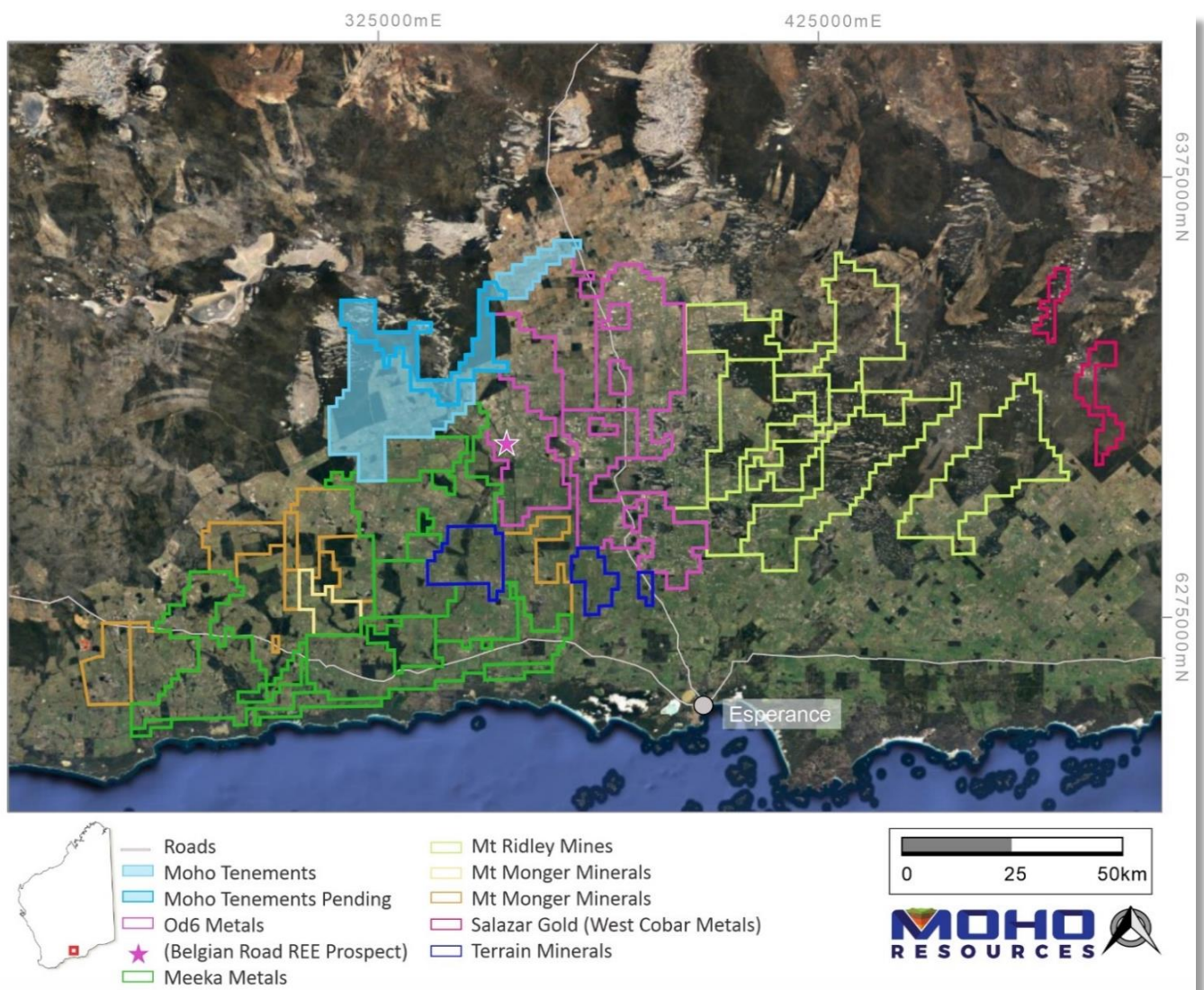
**Peak Charles:**

The Peak Charles Project is one of seven exploration projects arising from the agreement entered into between Moho and Whistlepipe Exploration Pty Ltd on 25 October 2021 and is considered to be prospective for nickel and associated battery and precious metals<sup>1</sup>. Moho is the registered 100% owner of recently granted E63/2162, E63/2163, and E74/695 which cover 469 km<sup>2</sup>, and is the registered applicant for 100% of ELA74/694 and ELA74/749 (Figure 4). The project is located about 70km northwest of Esperance.

An ionic clay REE province is rapidly expanding in the Ravensthorpe-Esperance region. Several ASX listed explorers e.g. OD6 Metals Ltd (ASX: OD6), West Cobar Metals (ASX:WC1), Meeka Metals Ltd (ASX: MEK), Mt Monger Resources Ltd (ASX:MTM), Terrain Minerals Ltd (ASX:TMX), and Mt Ridley Mines Ltd (ASX: MRD), have taken up significant landholdings focusing on the ionic clay REE prospectivity (Figure 4). Limited previous exploration has identified consistently anomalous shallow accumulations of REE mineralisation.

Moho is encouraged by the advantages of the ionic clay REE style of mineralisation in this area. It can be easily explored, being hosted in flat lying clays close to surface which can be tested with aircore drilling. Furthermore, with neighboring companies undertaking extensive exploration and commencing metallurgical studies, Moho can leverage these results to quickly assess and progress the scope, scale and nature of the REE mineralisation on its own tenements.

The Peak Charles Project benefits from its proximity to essential infrastructure (including port, rail, and air services) and is well serviced with a readily available skilled local work force in nearby Esperance and other towns in WA’s Great Southern region.



**Figure 4: Moho’s Peak Charles Project in relation to other companies exploring for REE (on Google Earth image)**

<sup>1</sup> Moho Resources Ltd (MOH) ASX announcement – “Moho Secures Whistlepipe Project Areas” (2/11/2021)

***OD6 Metals REE Exploration Activity – Grass Patch Prospect:***

The Peak Charles Project tenements adjoin the Grass Patch tenements of OD6 Metals Ltd. Anomalous neodymium (Nd) and praseodymium (Pr) results were reported by OD6 from sampling of regional water bores in the region, suggesting enrichment of soluble REE within ground water<sup>2</sup>. OD6 Metal's Belgian Road REE prospect, which has a 5km long Nd-Pd soil anomaly in calcrete, is located about 15km from and trending in a northwesterly direction towards the Peak Charles project boundary (Figure 4).

***Moho Rare Earths Exploration at Peak Charles:***

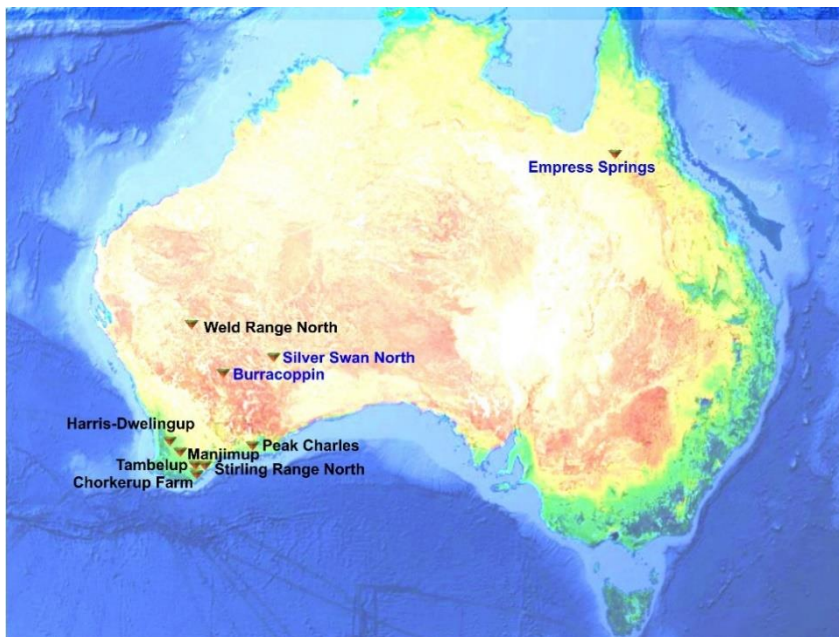
The granted Peak Charles tenements are in their first year and Moho is currently reviewing historical data prior to embarking on field programs. Moho's consultant geochemist Richard Carver is reviewing the limited historical soil and shallow auger results over the Peak Charles tenements.

***Assessment of REE and Battery Metals Potential at Moho's Other Exploration Projects:***

The Company plans to expand its assessment of the potential for battery metal elements and REE to all its exploration projects. Moho's consultant geochemist is currently reviewing REE assay data from bottom of hole samples collected from aircore drill holes at the Empress Springs Project in 2018-19. Moho expects to release these results in due course.

<sup>2</sup> OD6 Metals Ltd (OD6) ASX announcement – "Prospectus" (20/06/2022)

## ABOUT MOHO RESOURCES LTD



Moho Resources Ltd is an Australian mining company which listed on the ASX in November 2018. The Company is actively exploring for nickel, PGEs and gold at Silver Swan North, Manjimup and Burracoppin in WA and Empress Springs in Queensland.

Moho's Board is chaired by Mr Terry Streeter, a well-known and highly successful West Australian businessman with extensive experience in funding and overseeing exploration and mining companies, including Jubilee Mines NL, Western Areas NL and current directorships in Corazon Resources, Emu Nickel and Fox Resources.

Moho has a strong and experienced Board lead by Managing Director Ralph Winter, Shane Sadleir a geoscientist, as Non-Executive Director and Adrian Larking a geologist and lawyer, as Non-Executive Director.

Moho's Chief Geologist Wouter Denig and Senior Exploration Geologist Nic d'Offay are supported by leading industry consultant geophysicist Kim Frankcombe (ExploreGeo Pty Ltd) and experienced consultant geochemists Richard Carver (GCXplore Pty Ltd). Dr Jon Hronsky (OA) provides high level strategic and technical advice to Moho.

### ENDS

The Board of Directors of Moho Resources Ltd authorised this announcement to be given to ASX.

### For further information please contact:

Ralph Winter, Managing Director

T: +61 435 336 538

E: [ralph@mohoresources.com.au](mailto:ralph@mohoresources.com.au)