

17 October 2022

ASX: OD6

Airborne Electromagnetics Survey Commences to Map Clays for REE Exploration Across All OD6 Tenure

OD6 Metals Limited (**OD6** or the **Company**) is pleased to advise that an airborne electromagnetic survey has commenced at both its Splinter Rock and Grass Patch Projects in the Esperance region of Western Australia. Both Projects are considered prospective for clay hosted rare earth elements (REEs).

Highlights:

- Survey aims to identify and map clay locations, expanse, depth and thickness
- Over 4,600 km² of tenement area to be surveyed
- 13,450 line km electromagnetic survey to be flown at 400m spacings
- This will enable future targeted drilling of high priority exploration areas
- Survey to be completed during October with analysis of data to be completed in Q4 2022

Brett Hazelden, Managing Director, commented:

"The airborne electromagnetic survey is a significant investment by OD6 to help identify and map clay locations, expanse, depth, and thickness across our entire 4,600 km² tenement package. This survey will continue to build on the techniques and knowledge development in conjunction with the CSIRO and will enable targeted drilling of our high priority exploration areas during the next drilling programs.

Fixed wing aircraft used to undertake the survey



Survey Area

The Airborne Electromagnetic Survey will be flown across both the Splinter Rock Project and Grass Patch Project, which are located to the north and northeast of Esperance, Western Australia.

The survey, to be undertaken by Xcalibur Multiphysics, will use the Tempest airborne electromagnetic (AEM) survey system. AEM surveys map the electrical conductivity of the subsurface.

The system consists of a transmitter loop fitted to a fixed wing aircraft, with a receiver bird that is towed along behind the aircraft. As the aircraft flies along a pre-determined flight path, the system transmits a signal into the ground with the receiver then measuring the response of the returned signal. This recorded information maps the conductivity of the subsurface, which can be modelled to infer clay thickness.

The survey will be flown at 400m spacing and will total 13,450 line km.

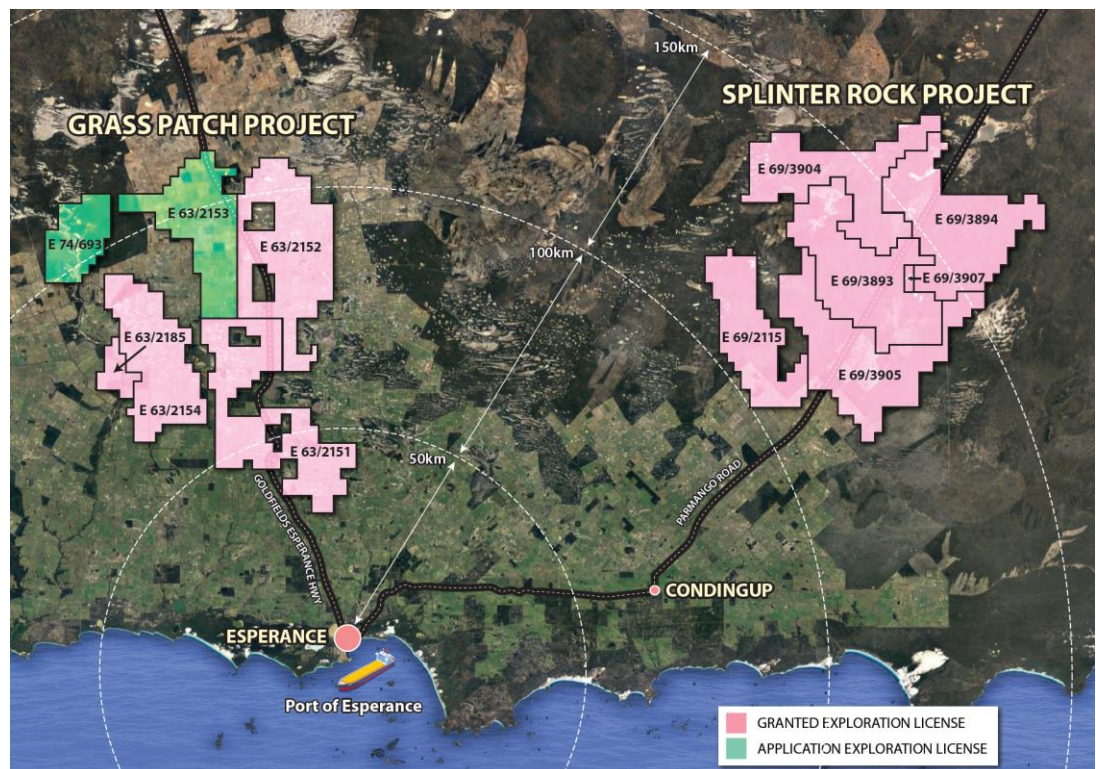


Figure 1 Plan view of Survey Area across Splinter Rock and Grass Patch

Clay mapping

Resulting Tempest Electromagnetic data can be used to map the electrical conductivity of rocks and soils below ground. Where electrical conductivity is high, it can indicate rock layers containing salt water or those which are clay rich or contain sulphide mineralisation. Where electrical conductivity is low, it can indicate zones of non-conductive rock, sand or fresh water.

The Tempest Electromagnetic survey utilises the same technique as that recently reviewed in conjunction with the CSIRO (<https://www.od6metals.com.au/wp-content/uploads/2022/10/61113722.pdf>). The early assessment of this reprocessed and modelled data shows that this technique can indeed map regolith (clay) thicknesses and deep channels that are targets and identify areas of sub-cropping fresh rock or thick sand-dunes to be avoided.

The key outcome of the survey is to identify and map clay locations, expanse, depth and thickness across OD6's current tenement areas. The mapping of clays will then enable targeted drilling of our high priority exploration areas over the next 6 to 18 months.

**Program
timeline**

Completion of the airborne electromagnetic survey is currently scheduled for late October 2022. Analysis of the data will be completed during Q4 2022.

Forward Looking Statements

Certain information in this document refers to the intentions of OD6 Metals, however these are not intended to be forecasts, forward looking statements, or statements about the future matters for the purposes of the Corporations Act or any other applicable law. Statements regarding plans with respect to OD6 Metals projects are forward looking statements and can generally be identified by the use of words such as 'project', 'foresee', 'plan', 'expect', 'aim', 'intend', 'anticipate', 'believe', 'estimate', 'may', 'should', 'will' or similar expressions. There can be no assurance that the OD6 Metals plans for its projects will proceed as expected and there can be no assurance of future events which are subject to risk, uncertainties and other actions that may cause OD6 Metals actual results, performance, or achievements to differ from those referred to in this document. While the information contained in this document has been prepared in good faith, there can be given no assurance or guarantee that the occurrence of these events referred to in the document will occur as contemplated. Accordingly, to the maximum extent permitted by law, OD6 Metals and any of its affiliates and their directors, officers, employees, agents and advisors disclaim any liability whether direct or indirect, express or limited, contractual, tortious, statutory or otherwise, in respect of, the accuracy, reliability or completeness of the information in this document, or likelihood of fulfilment of any forward-looking statement or any event or results expressed or implied in any forward-looking statement; and do not make any representation or warranty, express or implied, as to the accuracy, reliability or completeness of the information in this document, or likelihood of fulfilment of any forward-looking statement or any event or results expressed or implied in any forward-looking statement; and disclaim all responsibility and liability for these forward-looking statements (including, without limitation, liability for negligence).

No New Information

Except where explicitly stated, this announcement contains references to prior exploration results, all of which have been cross-referenced to previous market announcements made by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements.

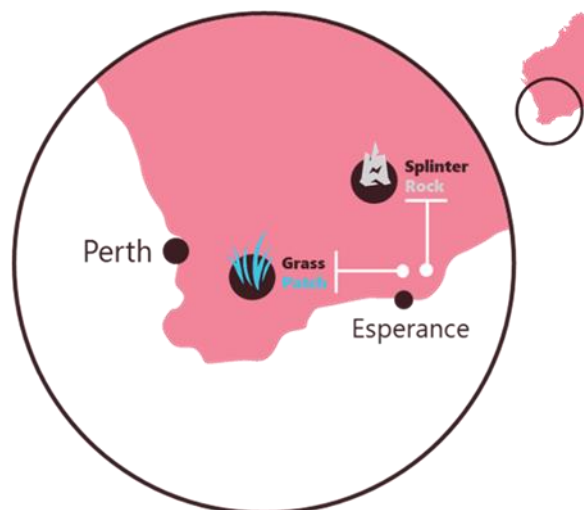
This announcement has been authorised for release by the Board of OD6 Metals Limited.

About OD6 Metals

OD6 Metals is an Australian public company with a purpose to pursue exploration and development opportunities within the resources sector. The Company holds a 100% interest in the Splinter Rock Project and Grass Patch Project, which are located in the Goldfields-Esperance region of Western Australia, about 30 to 150km north of the major port and town of Esperance.

The projects are considered prospective for clay-hosted rare earth elements (REEs), with the Company's aim of delineating and defining economic resources and reserves to develop into a future revenue generating operational mine. Clay REE deposits are currently economically extracted in China, which is the dominant world producer of REEs.

Rare earth elements (in particular, Nd and Pr), are becoming increasingly important in the global economy, with uses including advanced electronics, permanent magnets in electric motors and electricity generators (such as wind turbines) and battery technologies.



Corporate Directory

Managing Director	Mr Brett Hazelden
Non-Executive Chairman	Dr Darren Holden
Non-Executive Director	Mr Piers Lewis
Non-Executive Director	Dr Mitch Loan
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