



**ASX ANNOUNCEMENT**

**12 AUGUST 2015**

## **EXPLORATION COMMENCES ON TWO TARGET AREAS AT FRASER RANGE**

### **HIGHLIGHTS**

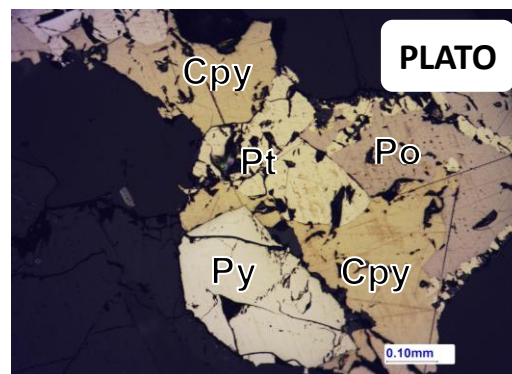
- **Independent evaluation of data by Apollo’s technical advisory board confirms multiple target areas for nickel**
- **Apollo commences exploration on high ranking Plato and Oceanus prospects**
- **Staged exploration programme to include techniques and procedures successfully applied by Sirius Resources at the Nova deposit, and includes high powered EM survey**
- **Drilling of up to 3,000m on the prospects**
- **WA Government EIS funding up to \$150,000 granted for drilling at Oceanus**
- **Other highly ranked targets identified across the tenements for systematic development and follow up exploration**

**Apollo Minerals Ltd (ASX: AON)** (“Apollo” or “the Company”) has completed a detailed review of its Fraser Range data-set and a work programme including high powered EM surveys and drilling has commenced.

A highly experienced technical advisory board was established to review the data covering several identified targets across active tenements at the Fraser Range Project in Western Australia. The advisory board identified over ten priority targets across the tenements, and ranked the Plato and Oceanus prospects as highly prospective and warranting immediate exploration including ground based high powered EM, RAB and RC/diamond core drilling. Other target areas are to be systematically explored in subsequent exploration programmes.

At Plato previous drilling intersected primary magmatic nickel sulphide mineralisation which was confirmed through petrology (Figure 1) and independent review. Similar mineralisation is present at Sirius’s Nova and Crux prospects. The Ni:Cu and Ni:S ratios confirm the fertility and prospectivity of the Plato prospect where Apollo plans to conduct further drilling.

The Oceanus Prospect is situated over a prominent magnetic low target considered to be an intrusive mafic-ultramafic unit similar to that observed at Plato. Previous drilling in 2014 over the magnetic low at Plato intersected magmatic nickel sulphides of up to 3m @ 0.4% Ni and 0.1% Cu. Apollo was granted up to \$150,000 for drilling under the WA Governments Exploration Incentive Scheme and plans to conduct staged high powered EM surveys and follow up drilling across the Oceanus prospect to confirm and test anomalies.



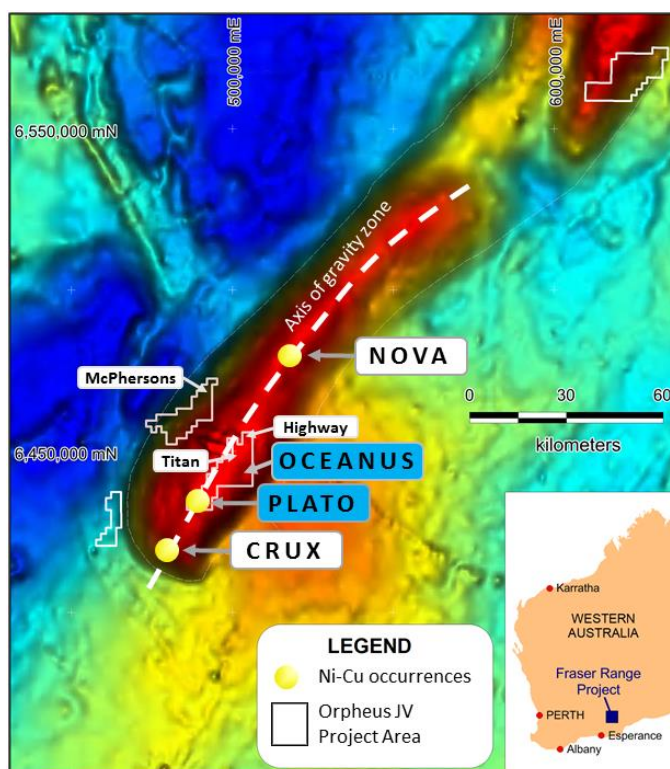
**Figure 1 – Nickel sulphides from Plato showing Pentlandite (Pt), Chalcopyrite (Cpy), Pyrrhotite (Po) and Pyrite (Py).**

### Technical Team

The Company’s technical advisory board has reviewed the data-set accumulated from over two years of exploration by JV partner Enterprise Metals Limited (“Enterprise”). The review included input from Mr Tim Craske, former Sirius Resources Exploration Manager, consultants from Newexco who have worked on a number of nickel sulphide discoveries including the Nova-Bollinger nickel deposit, Mr Chris Anderson technical advisor to Apollo and part of the Carrapateena discovery team, Dr Nigel Brand independent geochemist, and Mr Eric Finlayson a Director of Apollo.

The collaborative review identified licence EL63/1281 covering ~200km<sup>2</sup> and situated within the main high density part of the Fraser Zone as the primary area of exploration focus. The licence area is geographically positioned along the spine of the high density zone and located between Sirius Resources Nova deposit and Crux prospect (Figure 2).

Several priority targets have been confirmed with the initial focus of exploration planned for the Plato and Oceanus prospects. Other key target areas in the licence will be explored subsequently.



**Figure 2 – High density part of the Fraser Zone showing Plato and Oceanus prospect areas**

## **Fraser Range Project Data Review**

Significant previous exploration work included airborne EM, Surface geochemistry, fixed loop EM, trial moving loop EM and IP, and drilling information from 12 holes totalling 3,821 metres.

This data was reviewed independently by experts from various fields and their recommendations compiled to rank the most prospective targets. In all instances multiple targets were identified and included some new target areas of interest.

It was concluded that the depth of penetration of previous EM surveys were limited to depths ~200m, and higher powered systems are required to test beyond these depths to 400-600 meters. The Company is planning to commence a high powered EM survey in August/September.

The use of surface geochemistry remains a robust exploration tool in areas of non-transported overburden and is useful in delineating subsurface geology of mafic/ultramafic units as well as mineralisation. In conjunction with geophysical survey data it was considered that fine fraction soil sampling should be conducted over anomalies where surface sample density is low.

## **Exploration R&D Work Programme**

Apollo will conduct a staged exploration programme best suited to evaluate the Plato and Oceanus prospects. High powered, deep penetrating EM surveys are planned to search for sulphides plus RAB/RC drilling to test bedrock geochemistry, lithology, weathering and depth to basement. The EM surveys and drilling will be carried out as part of a research and development project to develop and improve EM techniques to identify major nickel sulphide bedrock conductors to a depth of more than 500m below surface.

In the main Fraser Zone and across Apollo's tenement bedrock is generally resistive and dominated by meta-igneous rock types. The likelihood of spurious, highly conductive EM responses from graphitic shales and sulphide-bearing sediments is considered to be low. Reconnaissance work and previous drilling at Plato shows the depth of cover to be <5m, and responses due to saline water or conductive cover are not expected.

On the basis of positive exploration results, Apollo plans to conduct a programme of deeper RC/core drilling to test anomalies at the Plato and Oceanus prospects. Ongoing work including surface geochemistry, mapping and data modelling on other targets (Figure 3) will continue to develop these towards drill ready status.

Exploration work is scheduled to commence immediately and includes access, site preparation and management of key contractors.

The Company will update the market as further plans of the proposed work programme are confirmed. Timing and sequence of the programme may vary depending on results and ground conditions.

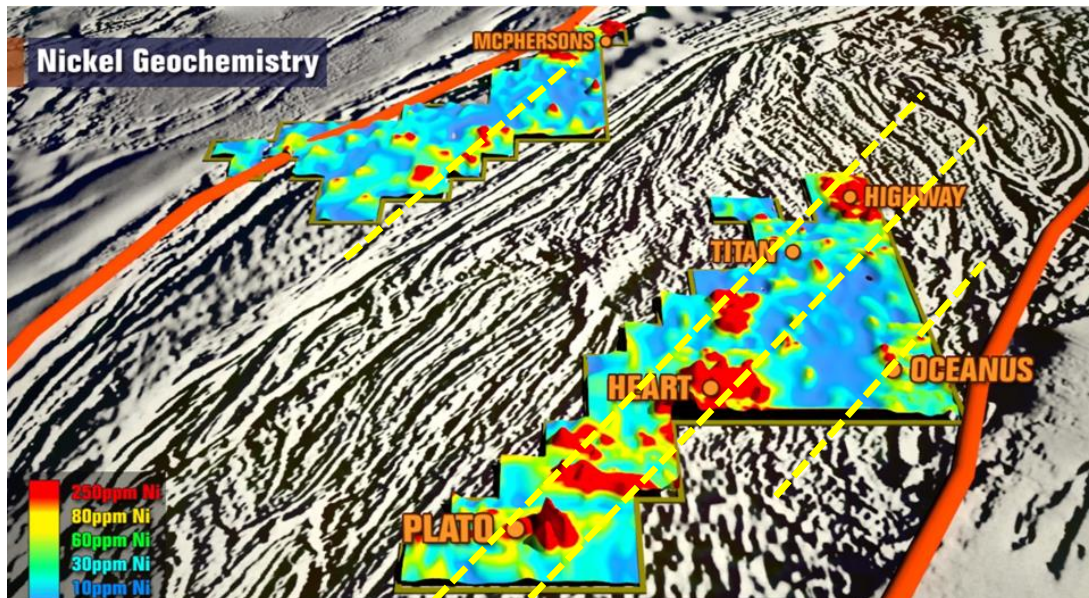


Figure 3 –Facing northeast over Apollo tenements showing chain of nickel prospect areas with high nickel geochemical results in red.

## ABOUT APOLLO MINERALS

Apollo Minerals Ltd (ASX code: AON) is a minerals explorer and developer with projects focused in South Australia and Western Australia.

In Australia, Apollo has two projects in areas which host world class deposits:

1. South Australian IOCG and gold project in Gawler Craton, and
2. Western Australian nickel project in Fraser Range Province.

In South Australia, Apollo's Titan Base-Precious Metals project is situated close to existing infrastructure including the Darwin-Adelaide railway line, highway and ports.

The Titan Base-Precious Metals Project is focused on discovering major gold and IOCG deposits in a new frontier of the world-class Gawler Craton. This project consists of:

- Commonwealth Hill Project JV (100% Apollo)
- Eaglehawk JV (Apollo earning up to 75% interest)
- Aurora Tank JV (Apollo earning up to 75% interest)

In Western Australia, Apollo acquired a 70% interest in the Orpheus JV project in the Fraser Range, Western Australia from Enterprise Metals Ltd. Under the agreement Enterprise will be free carried until Apollo delivers a Bankable Feasibility Study for a mining area.

Apollo is commencing exploration to identify 'Nova style' nickel-copper-cobalt deposits within the important high density Fraser Zone representing the layered mafic-ultramafic Fraser Complex.

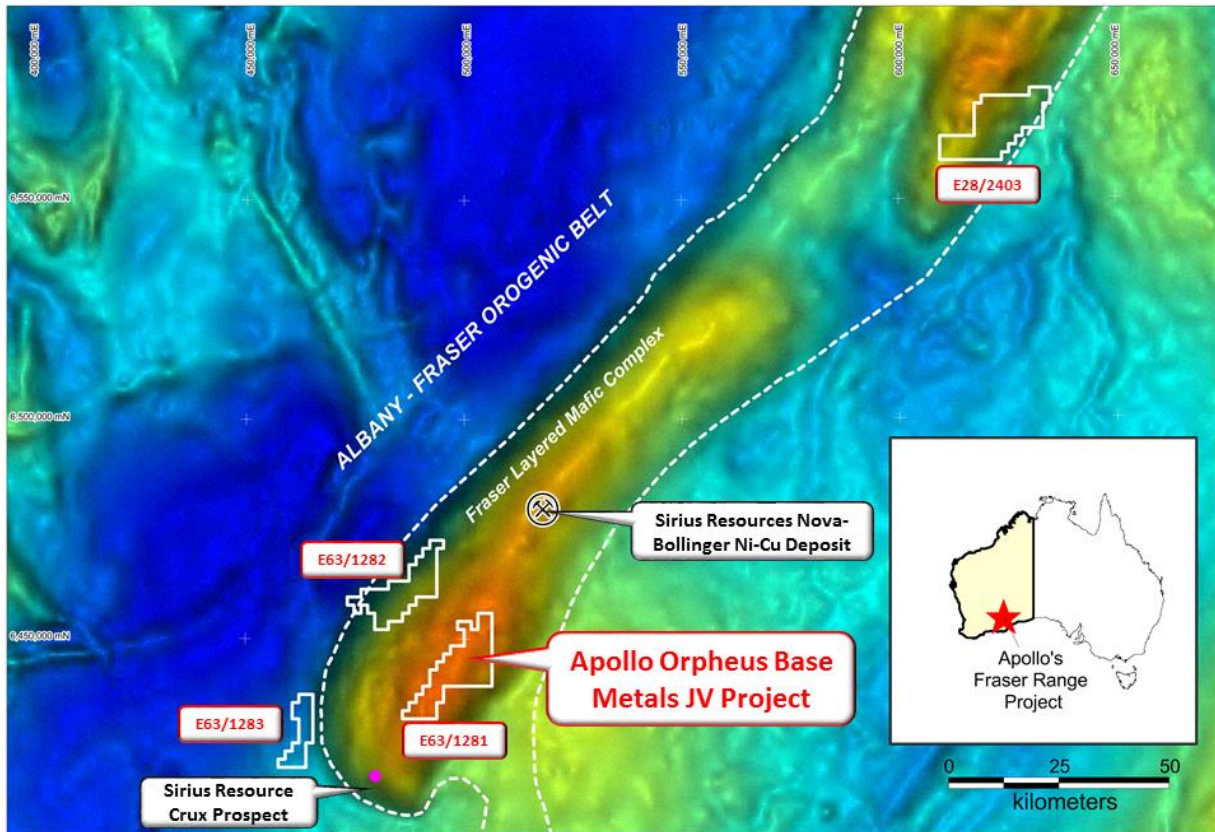


Figure 4 – Tenement plan showing Apollo's Fraser Range Project within the high density Fraser Zone

ENDS

#### FOR FURTHER INFORMATION CONTACT:

Guy Robertson  
 Company Secretary  
 Apollo Minerals Limited  
 Email: [info@apollominerals.com.au](mailto:info@apollominerals.com.au)  
 Tel: +61 2 9078 7665

#### COMPETENT PERSON DECLARATION

*The information in this Report that relates to Exploration Results is based on information compiled by Mr Derek Pang who is a member of the Australasian Institute of Mining and Metallurgy. Derek is a full time employee of Apollo Minerals Ltd. Derek has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Derek consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.*

*The information in this report that relates to Exploration Results is extracted from public reports previously released by Apollo Minerals Limited. Public reports are available to review on the ASX and Apollo website as follows:*

23 March 2015      *New Nickel Sulphide System Confirmed at Fraser Range Project*