

Fraser Range: Soil Sampling Defines “Plato” Ni-Cu-Co Prospect

- Analytical results of 387 infill soil samples further define “Plato” nickel-copper-cobalt prospect in the Fraser Range.
- New assay results closely match area of interpreted magnetic intrusive body.
- Electrical geophysical crew being sourced for follow-up ground survey.

SUMMARY

Enterprise Metals Limited (“Enterprise” or “the Company”, ASX: “ENT”) is pleased to announce that complete analytical results have now been received from the recent Plato prospect infill soil sampling program. This infill program has defined a coherent area of Ni-Cu-Co anomalism, with individual maximum values of up to 252ppm Ni, 46ppm Cu and 32ppm Co. The program also returned 14 samples in excess of 100ppm Ni.

The nickel anomaly is composed of two lobes, with the larger lobe being 1,400m x 400m, and the smaller lobe to the south west being 400m x 400m. (Refer Figure 1)

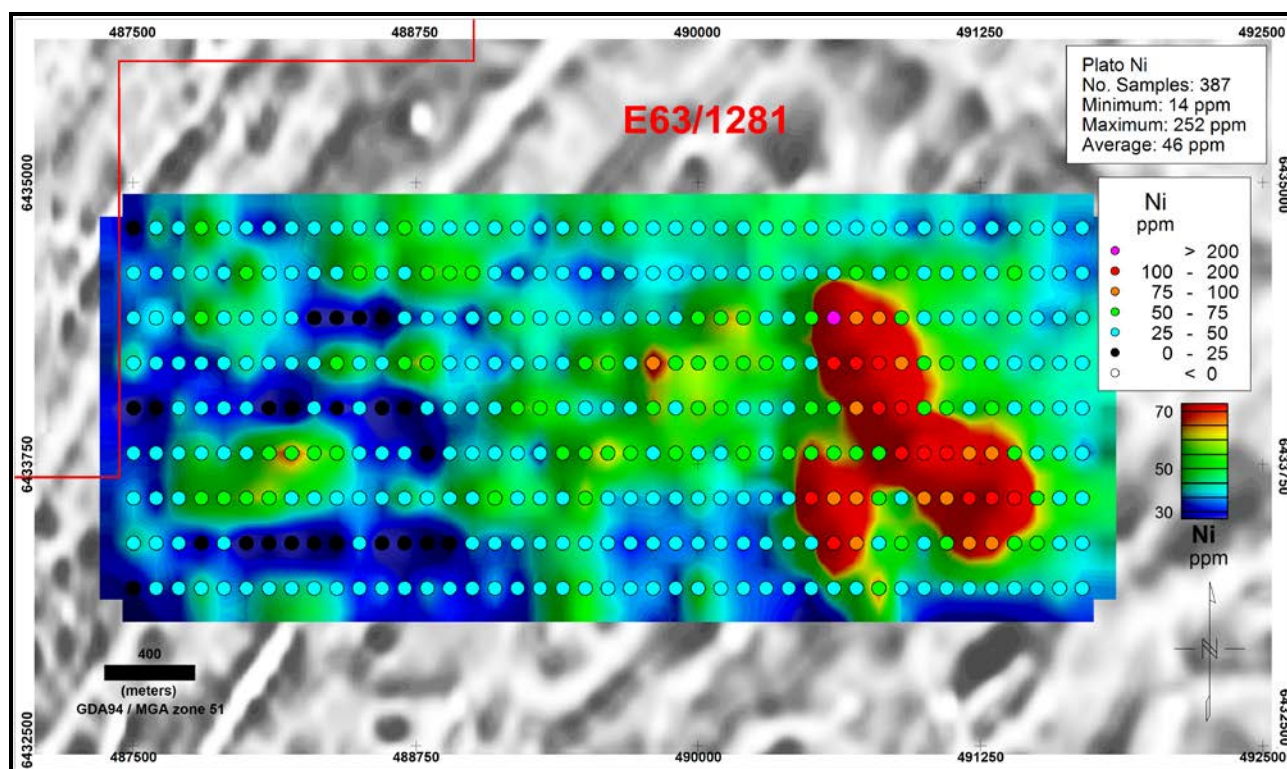


Figure 1: Plato Prospect, Infill Soil Sample Locations and Nickel Anomalism

The co-incident Ni-Cu-Co soil anomalism is also broadly co-incident with a “magnetic low” visible on Enterprise’s detailed aeromagnetic data. This “magnetic low” is in fact a strongly magnetic body, interpreted by Enterprise to be an ultramafic intrusive with reversed polarity. (ie. remanence)

Figures 2, 3 and 4 show the nickel, copper and cobalt anomalism with respect to the interpreted magnetic intrusive body. There are several other smaller and more subtle Ni-Cu-Co soil anomalies to the west of Plato that require further follow up.

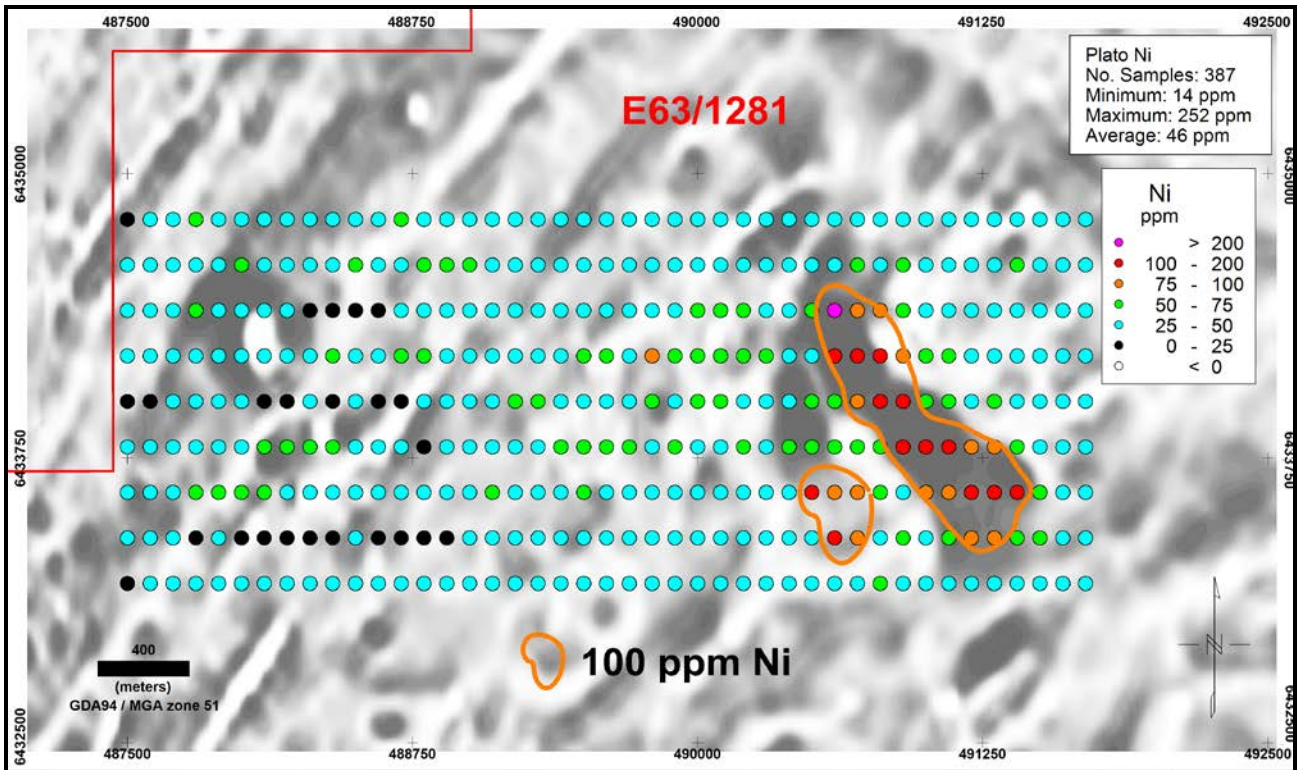


Figure 2: Plato Prospect, Soil Sample Locations and Nickel Anomalism over Magnetic Image

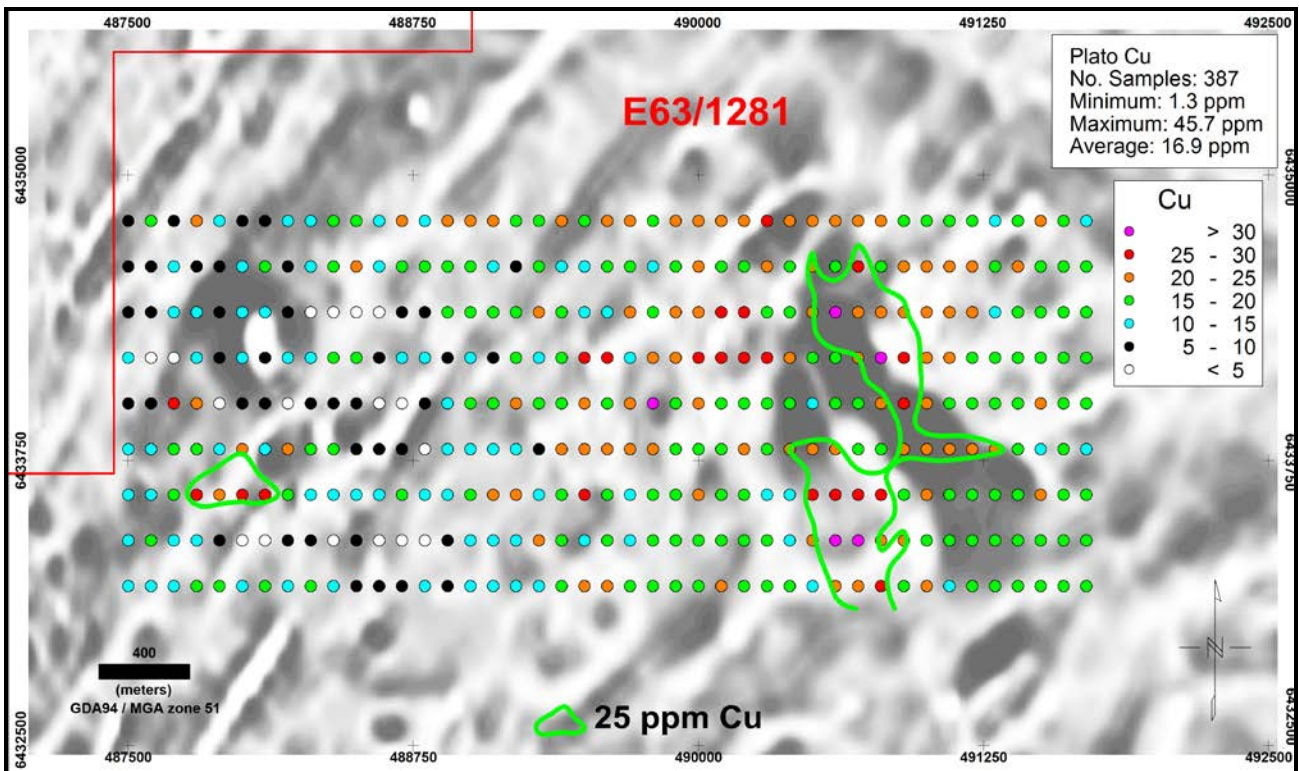


Figure 3: Plato Prospect, Soil Sample Locations and Copper Anomalism over Magnetic Image

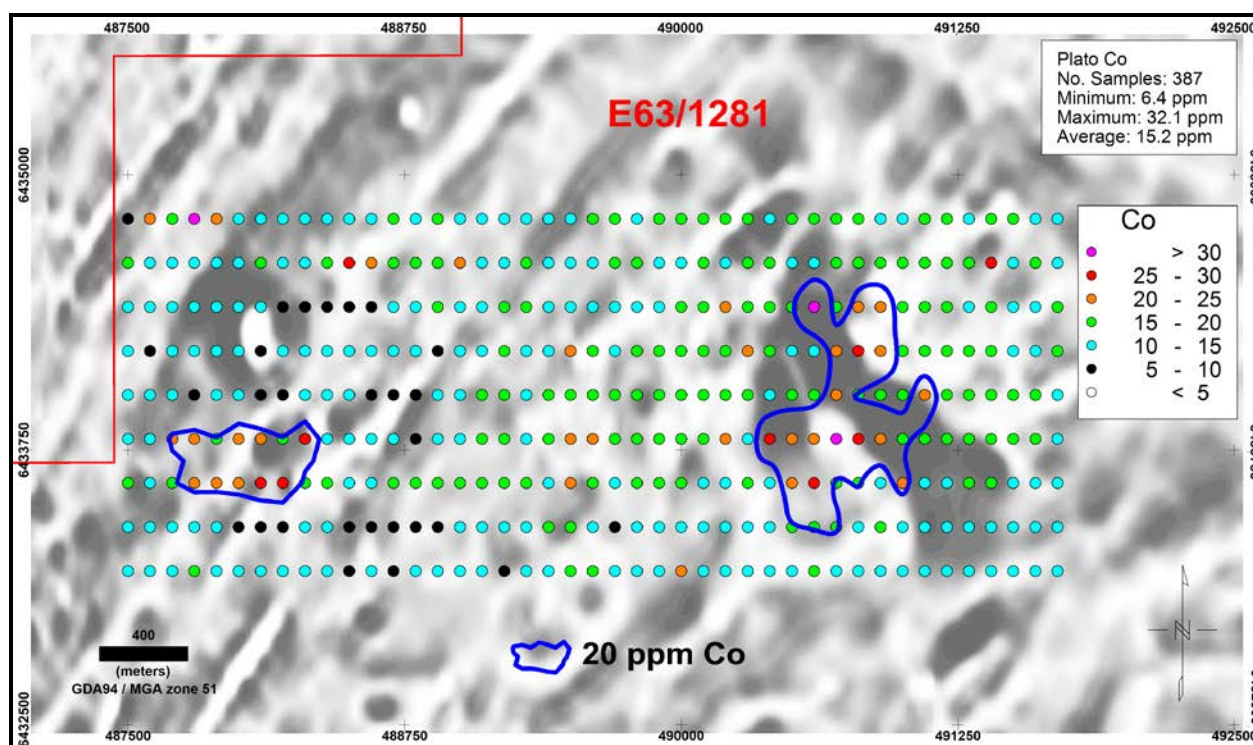


Figure 4: Plato Prospect, Soil Sample Locations and Cobalt Anomalism over Magnetic Image

BACKGROUND

The Fraser Range Project covering 594km² is located approximately 100km east of Norseman and 650km east of Perth within the Albany-Fraser province. The Project is considered prospective for gold and copper/nickel/PGE mineralisation and is situated some 30km southwest of Sirius Resources NL's Nova nickel-copper discovery.

The Albany-Fraser province extends along the southern and southwestern margin of the Yilgarn Craton. It consists mainly of orthogneiss and granite, but also includes large sheets of metagabbro (including the Fraser Complex), remnants of mafic dykes and widespread metasedimentary rocks.

In early 2012, Enterprise completed first-pass regional calcrete and bulk soil sampling (total 3,597 samples) across the Fraser Range project area on a nominal 400m x 800m pattern. Statistical analysis of the multi-element geochemical data identified five areas (Plato, East Dam, EH1, EH2 and EH3 prospects) with anomalous coincident Ni-Cu-Co geochemistry, and the McPhersons Cu-Au anomaly and the Microwave gold anomaly. (Refer Figure 5)

The **Plato** Ni-Cu-Co soil anomaly, semi-coincident with a prominent magnetic anomaly, was considered to have the highest priority for follow up sampling and geochemical analysis. (ENT: ASX release 17th September 2012).

In September/October 2012, approximately 1,300 (-2mm) infill soil samples were collected from 0.3-0.5m depth from the Plato, EH1 & EH3 Ni-Cu-Co anomalies, the McPhersons Cu-Au anomaly and the Microwave gold anomaly which were identified in Enterprise's earlier regional soil sampling program. These infill soil sampling programs, at a nominal 200m line spacing with samples at 100m spacing along line, were aimed at defining the extent of the geochemical anomalies and providing targets for electrical geophysics and drill testing.



The multi-element analytical results from the remaining areas are more complex, more subtle, and require further interpretation.

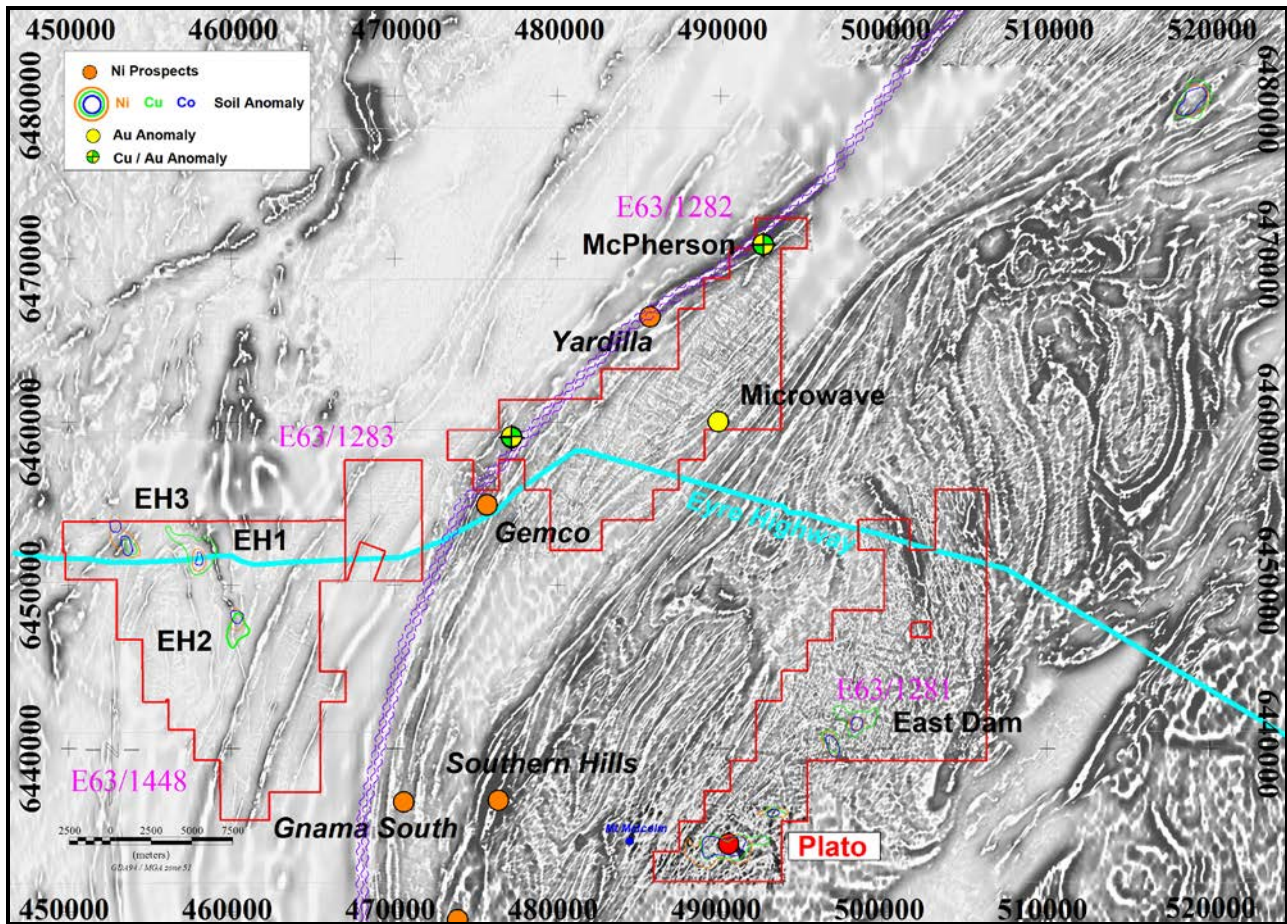


Figure 5: Fraser Range Ni-Cu-Co and Cu/Au Soil Anomalies

COMMENTARY

Dr Jingbin Wang, Chairman of Enterprise Metals Ltd, commenting on these latest results, said:

“We are aware that in the early 1970’s Newmont identified, through soil sampling and later drilling, sulphides including pyrrhotite, pyrite, chalcopyrite and pentlandite within ultramafic and norite-peridotite intrusions further to the west at Gnama South, Talbot and Southern Hills.

However, Enterprise’s work in this part of the Fraser Range is ground breaking in that there has been no previous recorded exploration. There are similarities between Enterprise’s soil sampling results and the early soil sampling results by Sirius Resources NL at their Nova prospect”.

PROPOSED WORK

Although late in the field season, the Company is endeavouring to source a ground electrical geophysical crew to undertake a systematic survey over Plato, to define drill targets.

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Managing Director

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Competent Persons statement

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Mr Dermot Ryan, who is an employee of the Company. Mr Ryan is a Member of the Australian Institute of Geoscientists and a Fellow of the Australasian Institute of Mining and Metallurgy and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2004 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Ryan consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

Exploration results are based on standard industry practice, with appropriate quality assurance and quality control (QAQC) measures. Sample preparation and base metal analyses of soil samples for a variety of elements were completed by Minanalytical Laboratory Services Australia, using a four acid digest and inductively coupled plasma mass spectrometry (AR10MS) and inductively coupled optical emission spectrometry (AR10OES.)