21 March 2022

ASX Announcement

Exploration Update Trinity Project, Fraser Range

Exploration Programs to Test Priority Targets

Key Highlights

- Priority nickel-copper-cobalt targets identified from detailed examination of past soil geochemistry, airborne and ground electromagnetic surveys.
- 6 nickel-copper-cobalt target areas identified for follow-up detailed soil geochemical surveys and detailed fixed loop and moving loop ground electromagnetic surveys
- Exploration will ground-truth the target areas and rank targets for follow up drill testing.
- Company is working to engage geophysical and geochemical survey contractors to commence exploration on the ground on the Trinity Project.

Western Australian nickel sulphide explorer**, DMC Mining Limited (ASX: DMM) (DMC** or the **Company)** is pleased to update the market on exploration planning for the Fraser Range Project (**FRP** or the **Project**). The results of detailed examination of regional soil geochemical, airborne and ground electromagnetic surveys conducted by previous explorers has delineated a number of high priority target areas consistent with potential for buried nickel-copper-cobalt mineralisation. These priority target areas will now be ground-truthed with detailed soil geochemistry and ground geophysical surveys. Results from the geochemical and ground geochemical surveys will then be followed up by diamond drilling to test the anomalies for potential nickel sulphide mineralisation.

DMC Mining Limited
Phone: +61 (08) 63164674
Address: 27/44 St Georges Tce, Perth WA 6000.
Email: info@dmcmining.com
Web: www.dmcmining.com.au

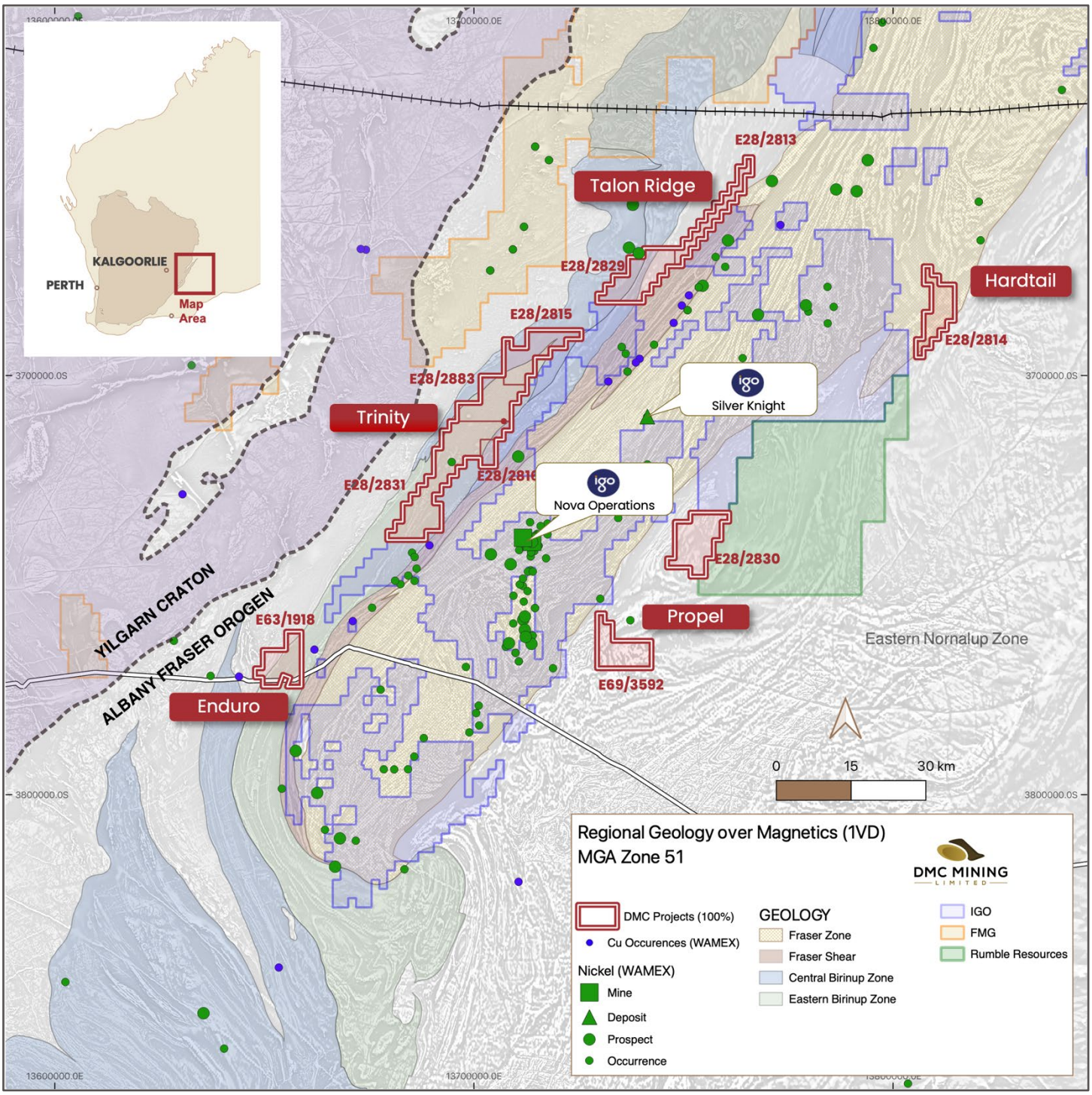


Figure 1 – Fraser Range Project – Regional Map.

Technical Summary

DMC has compiled an extensive digital database of previous exploration data covering the FRP.

The company has obtained all previous company geochemical data on the FRP held in the Western Australian Mineral Exploration (WAMEX) database of the Western Australian Department of Mines, Industry Regulation and Safety (DMIRS). Soil geochemical coverage is generally on a regional 800m x 400m survey grid across the tenements with limited more detailed 400m x 400m grid infill in some areas. Examination of the data has identified some surveys where the regional grid was sub-optimal in sampling media chosen and may not be suitable for nickel sulphide exploration.

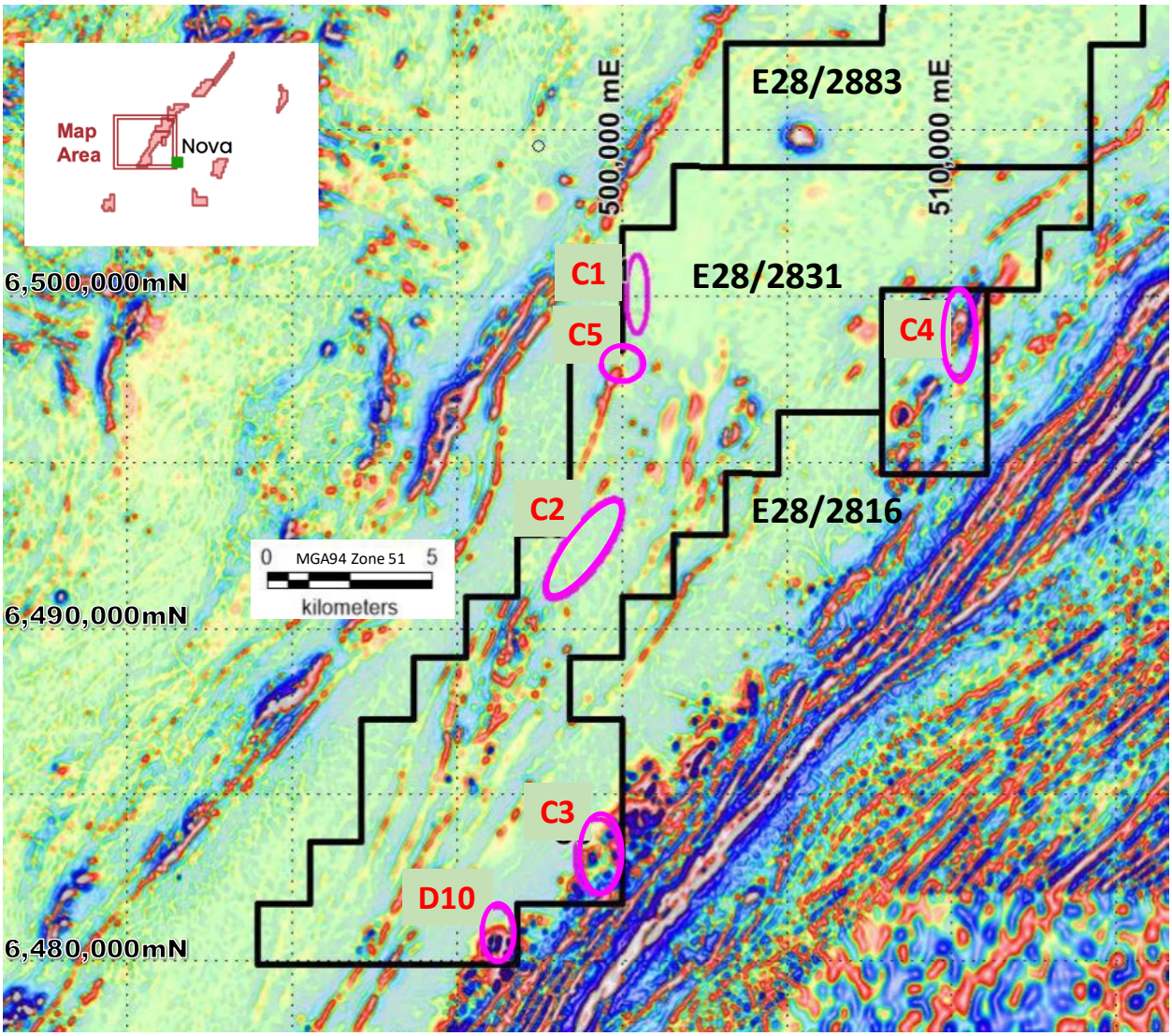


Figure 2 – Priority Targets Identified on the Trinity Project. Trinity Project tenements outline (black) and target areas (C1-5, D10) over aeromagnetic colour scale image.

Other areas have good data coverage of the right sample media chosen, but suffer from issues with data quality and data analysis artifacts that impact the data utility. The remainder of the surveys compiled appear to be good quality data and indicate soil geochemistry is effective at testing residual soils derived from the local bedrock geology.

The company has also obtained several key geophysical datasets covering the FRP. Geophysical data obtained includes detailed heliborne electromagnetic (AEM) VTEM and aeromagnetic surveys and moving loop ground electromagnetic (MLEM) surveys. Palaeochannel cover in some ares has impacted AEM survey effectiveness. However, the dataset largely is good quality and has resolved numerous conductivty anomalies that appear to be bedrock sourced.

Detailed examination of the database focussing on the areas of most extensive pre-existing data coverage on tenements E28/2831, E28/2816, E28/2883 & E28/2815 (the "Trinity" project area) has delineated a number of features within the data consistent with potential for buried nickel-copper-cobalt mineralisation. Of these, 6 priority target areas, (C1-5, D10 – Figure 2) have been identified for immediate follow-up exploration.

The target areas have been prioritised based on whether they have consistent multiple soil geochemical trace element and trace element ratio (Ni, Ni/Cr and/or Kambalda Ratio (Ni/Cr x Cu/Zn)) and geophysical (magnetic and electromagnetic) characteristics consistent with the potential signature of buried magmatic nickel sulphide systems. Of these, three Priority 1 areas (C2, C3 and D10) have all the key geochemical trace element and trace element ratio signatures coupled with strong to moderate AEM conductivity anomalies.

Highest priority target area C2 has a well defined AEM conductivity anomaly trend over 1.2km of strike coincident with soil geochemical data exhibiting all the key trace element and trace element ratio criteria consistent with potential buried nickel sulphide. It also has an untested subtle mid- to late-time MLEM conductivity anomaly from a previous reconnaissance traverse across the southern portion of the AEM conductivity anomaly trend.

The remainder target areas (C4, C5) are lesser priority due to exhibiting less soil geochemical key criteria than that demonstrated by the other higher priority targets. However, these targets still exhibit AEM conductivity anomalism consistent with bedrock sources and will be followed up by geochemical and geophysical surveys once the higher priority targets have been tested. Target C1 is lowest priority and follow-up will be contingent on exploration success on the other targets.

Next Steps

Planning is underway to start field work on the ground to test the priority targets identified. A program of geochemical sampling and ground EM geophysics will be designed to test the anomalies and advance the targets to drill testing. The company is in the process of engaging contractors to carry out the work programs as detailed below as soon as feasible.

Soil geochemistry will consist of infill survey on a 200m x 200m grid. The surveys will first cover the 3 priority target areas C2, C3 and D10 (Figure 3). Other areas will also be surveyed. Priority Area 2 for soil geochemistry will provide coverage along strike of target C2 to the southwest in an area of multiple AEM conductivity anomalies but where previous soil geochemical work has been affected by artifacts from inconsistent analyses giving rise to poor data quality unsuitable for targeting. Priority Area 3 for soil geochemistry will provide coverage in an area where previous sampling was in media, mainly calcrete, poorly suited to nickel sulphide exploration. The limited sparse effective soil geochemistry in this region does indicate trace element anomalism in areas consistent with potential for buried mafic-ultramfic intrusive complexes and associated potential for nickel sulphide. In all some 3,880 sample points are planned and samples will be sent for geochemical analysis.

Ground geophysics will consist of (in order of survey priority):

1. Target C2 - MLEM across the target. 200m loops, 100m station spacing over 10 lines at 1.8km long for 18 line km of survey.
2. Target C3 - Fixed loop electromagnetics (FLEM) due to space restrictions on the tenement boundary preventing use of MLEM. 3 800m x 800m transmitter loops, 100m spaced receiver startions on 100-200m spaced lines approximately 1-1.5 km long for 24 line km in total.
3. Target D10 - FLEM due to space restrictions on the tenement boundary preventing use of MLEM. 2 750m x 500m transmitter loops, 100m spaced receiver stations on 100-200m spaced lines 1-1.5km long for 18 line km total.
4. Target C4 - MLEM across the target. 200m loops, 100m station spacing over 4 lines at 1.5km long for 6 line km of survey.
5. Target C5 - MLEM across the target. 200m loops, 100m station spacing over 2 lines at 1.5km long for 3 line km of survey.

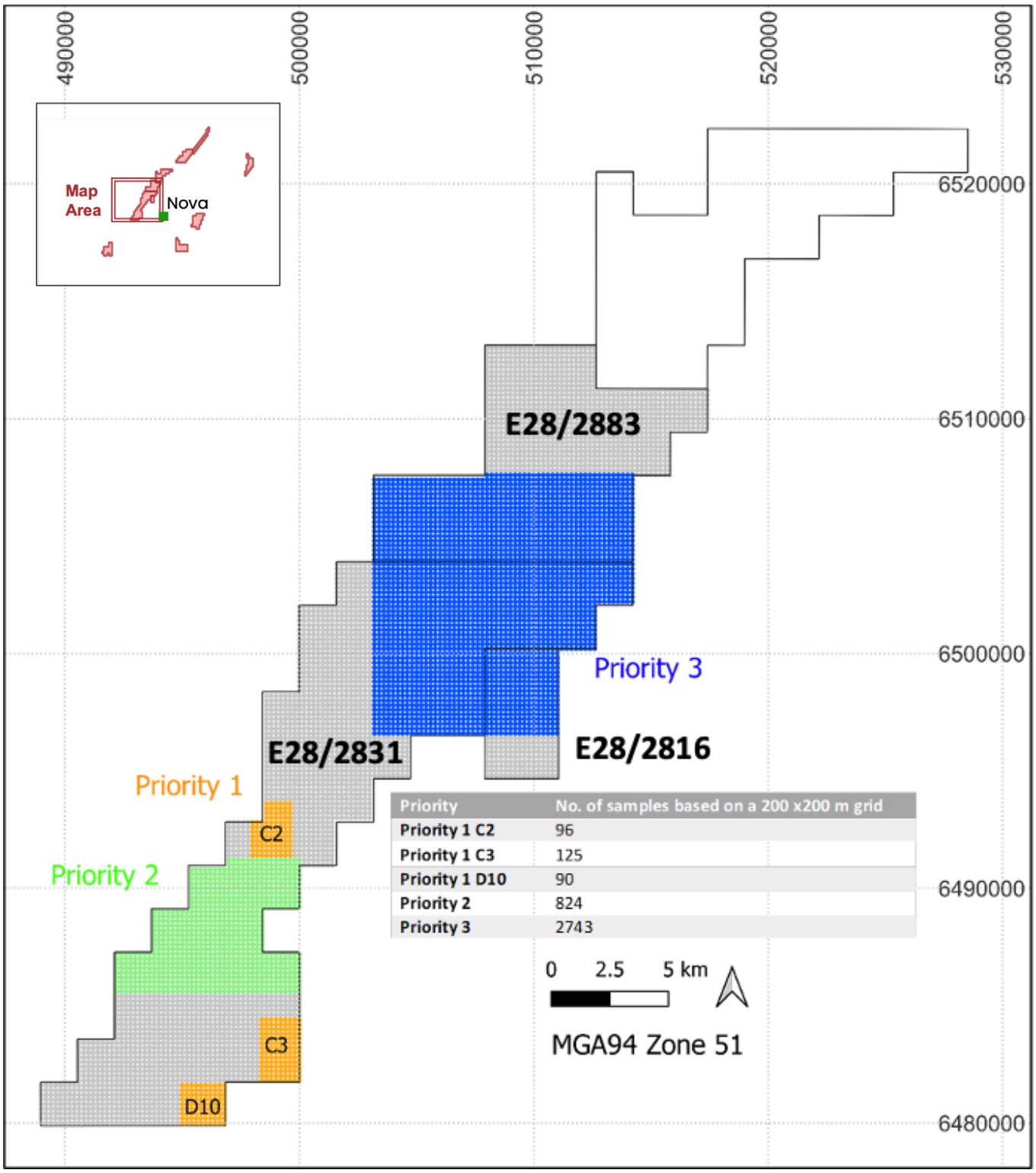


Figure 3 –Planned Soil Geochmistry Sampling Coverage on the Fraser Range Project.

Fraser Range Project

The Fraser Range Project is a consolidation of 10 granted tenements (Figure 1) with a combined area of approximately 873km^2, – being one of the largest strategic landholdings of held by any junior explorer in the Fraser Range. The tenements comprising the Fraser Range Project is situated within the highly prospective Proterozoic Albany-Fraser Orogen (AFO). The AFO hosts and is prospective for a range of mineral deposit styles, including:

a) magmatic nickel-(copper-cobalt) mineralisation, as exemplified by the Nova nickel-copper cobalt mine;
b) orogenic gold mineralisation;
c) intrusion-related gold mineralisation; and
d) polymetallic sedimentary exhalative and volcanogenic massive sulphide mineralisation.

Approved for release by the Board of Directors

For further information, please contact:

David Sumich
Executive Chairman
- +61 (08) 63164674
- 27/44 St Georges Tce, Perth WA 6000.
- info@dmcmining.com.au

Stewart Walters
Investor Relations
- 0414 644 166
- stewart@themarketbull.com.au

Follow us

Competent Person's Statement

The information in this announcement that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Tony Donaghy who is a Registered Professional Geoscientist (P.Geo) with the association of Professional Geoscientists of Ontario (PGO), a Recognised Professional Organisation (RPO). Mr Donaghy is an employee of CSA Global, an ERM Company, and is contracted as Exploration Management Consultant to DMC Mining Limited. Mr Donaghy has sufficient experience which is relevant to the style of mineralisation and types of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Donaghy consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Forward Looking Statements

Some statements in this announcement regarding estimates or future events are forward-looking statements. Forward-looking statements include, but are not limited to, statements preceded by words such as "planned", "expected", "projected", "estimated", "may", "scheduled", "intends", "anticipates", "believes", "potential", "could", "nominal", "conceptual" and similar expressions. Forward-looking statements, opinions and estimates included in this announcement are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Statements regarding plans with respect to the Company's mineral properties may also contain forward looking statements.

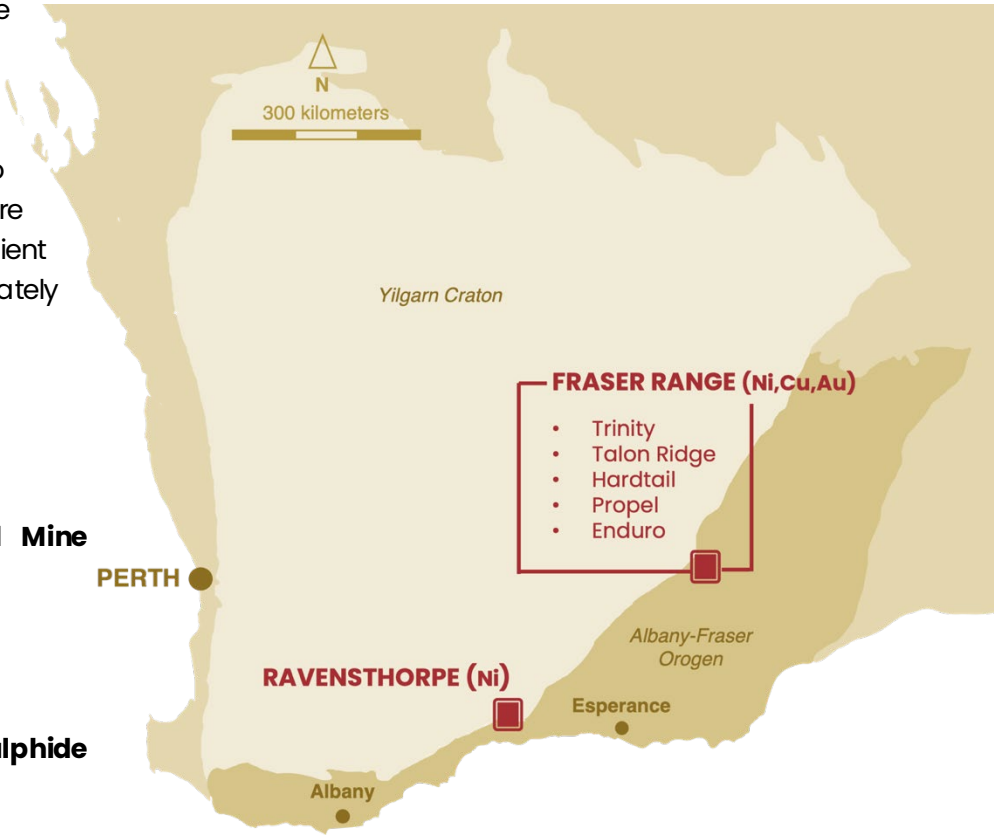
Forward-looking statements are provided as a general guide only and should not be relied on as a guarantee of future performance. Forward-looking statements may be affected by a range of variables that could cause actual results to differ from estimated results expressed or implied by such forward-looking statements. These risks and uncertainties include but are not limited to liabilities inherent in exploration and development activities, geological, mining, processing and technical problems, the inability to obtain exploration and mine licenses, permits and other regulatory approvals required in connection with operations, competition for among other things, capital, undeveloped lands and skilled personnel; incorrect assessments of prospectivity and the value of acquisitions; the inability to identify further mineralisation at the Company's tenements, changes in commodity prices and exchange rates; currency and interest rate fluctuations; various events which could disrupt exploration and development activities, operations and/or the transportation of mineral products, including labour stoppages and severe weather conditions; the demand for and availability of transportation services; the ability to secure adequate financing and management's ability to anticipate and manage the foregoing factors and risks and various other risks. There can be no assurance that forward-looking statements will prove to be correct.

About DMC MINING LIMITED (ASX:DMM)

DMC Mining is a **dedicated nickel sulphide explorer in Western Australia**. The large tenement holding **(~940km²)** throughout the Fraser Range and at Ravensthorpe, located at the **margins of the Yilgarn Craton** where numerous world class deposits have been discovered.

Although an explorer, DMC provide investors with excellent exposure to the **growing demand for EV batteries.**

Debuted on the ASX in late 2021, the company is focused on delivering on its exploration programmes and providing tangible results for investors. Our modern approach to nickel exploration will result in a more streamlined and cost-efficient exploration process that will ultimately deliver higher returns for investors.



Trinity Project (Fraser Range)

- **6 high priority targets**
- **~15km west of Nova Nickel Mine (ASX:IGO)**

Ravensthorpe Nickel Project

- **Highly prospective nickel sulphide setting**
- **15km of Bandalup ultramafics**
- **EM survey completed**

Directors & Management

David Sumich
Executive Chairman

William (Bill) Witham
Non Executive Director

Bruce Franzen
Non Executive Director

CSA Global
Consulting Exploration Manager

A.C.N
648 372 516

Shares on Issue
46.35 mill

Options ($0.30 exp Dec 2024)
1.0 mill