

30 April 2014

MARCH 2014 QUARTERLY ACTIVITIES REPORT

ASX Symbol: ENT

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BOARD OF DIRECTORS

Dr Jingbin Wang Chairman

Mr Dermot Ryan Managing Director

Ms Anna Mao Non-Executive Director

Mr Paul Hallam
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Dr Allan Trench Non-Executive Director

Mr Damian Delaney CFO/Company Secretary

PROJECTS

Copper/Gold

Doolgunna

Nickel/Copper

Fraser Range

Burracoppin

Gold

Darlot

Yalgoo

Wattagee

Iron Ore

Earaheedy

Booylgoo

ISSUED CAPITAL at 31 March 2014

Shares on Issue 240,120,776
Shares Quoted 240,120,776
Listed Options Nil
Unlisted Options 62,050,000

HIGHLIGHTS

Doolgunna Copper-Gold Project

- Drilling of Doolgunna Sediment-hosted Copper (SEDEX) targets intersected base metal sulphides in fresh rock.
- ➤ 36 RC holes for total 4,166 metres completed at 6 prospects.
- ➤ 2km wide corridor of base metal sulphide mineralisation at Borg prospect, open in all directions.
- 4m composite assay results received from all holes with exception of AZRC007 - AZRC009.
- > Multi-element assay data to be analysed as pathfinders to copper mineralisation.

Fraser Range Nickel-Copper Project

- > RC drilling commenced at Plato on 21st April.
- > 2 RC holes completed and 3rd hole in progress.
- Disseminated sulphides (pyrrhotite) in hole PLRC002.

Darlot JV Project with IGO

- ➤ Independence Group NL (IGO) re-commenced exploration for Cu/Zn(Au) on Darlot project tenements.
- Additional soil sampling has defined further base metal anomalies and enhanced those previously identified. Aircore drill testing is planned.
- ➤ A shallow auger drilling program has identified a discrete gold anomaly near Overland Well. This anomaly will be systematically auger sampled during the June 2014 Quarter.

CORPORATE

> \$1.33M cash at 31 March 2014, which does not include reimbursement of 50% of RC drilling costs at Doolgunna.

SUMMARY OF EXPLORATION ACTIVITIES

DOOLGUNNA PROJECT

The Doolgunna Project covers approximately 1,036km² and is located 110km northeast of Meekatharra and some 10km southwest of Sandfire Resources NL's DeGrussa copper-gold mine. The project is considered prospective for volcanic hosted massive sulphide deposits (VMS) and sediment hosted base metals deposits (SEDEX copper).

The Doolgunna geological setting is similar in some respects to the Central African Copperbelt, and the Company has identified a number of SEDEX style copper-gold targets along the Southern Boundary Fault, which marks the southern boundary of the sediment filled Doolgunna basin.

During the March Quarter 2014, the Company commenced drilling coincident EM-gravity targets at the Borg and Azan prospects with a light RC rig. An initial 19 shallow holes were completed for 1,561 metres. (Average depth 82 metres). Most of the drill holes failed to reach the planned target depth of 150m. A larger RC drill rig then completed a further seventeen deeper RC holes (total 2,605 metres) at Chekov, Elim, Dax, Forge, Borg and Azan prospects. Refer Figure 1 below for prospect locations

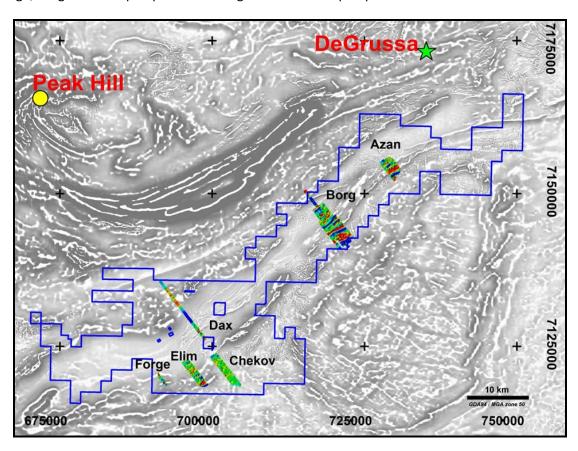


Figure 1. Doolgunna SEDEX Prospect Locations on 1VD Magnetic Image with 1VD Bouguer Anomaly Gravity Data

This program represents the first drill test of unoxidised sediments within the Doolgunna basin, and the results received to date provide evidence for widespread mineralising events with large alteration zones which have the potential to contain ore grade base metal concentrations.

Analyses from 4 metre composite samples have been received for 33 of these holes with full results from the remaining 3 holes awaited. Analyses from selected 1 metre samples are also awaited.

The drilling and analyses received to date suggest that the combined gravity/EM features represent mineralised shale sequences containing disseminated and vein style base metal mineralisation and associated silica flooding, pyrite and hematite alteration.

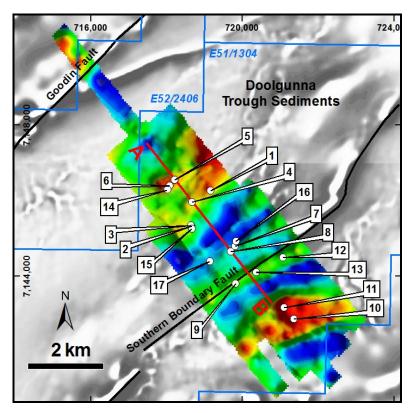


Figure 2. Borg Prospect. Bouguer Anomaly Gravity Image & RC Drill Collars (BGR)

BORG PROSPECT

At the **Borg** prospect, 13 shallow vertical RC holes and 4 deeper angled RC holes were drilled along a 5 km NW-SE traverse to test a series of magnetic, ground electromagnetic (GEM) and gravity features (refer Rigure 1) coincident with anomalous W, Sn, Mo, Bi, Te & Sb in surface mag-lag samples.

See Figure 2 for the location of the drillholes in relation to the coloured gravity image over magnetic image.

Holes BGRC001 - 006 tested the B1, B2 & B3 targets, and demonstrated that the two gravity highs are part of a broad NE-SW trending gravity ridge which is composed of silicified and mineralised sulphidic shales in fresh rock. The mineralised zone (gravity ridge) is open to the NE and SW. For example, RC holes BGRC004 and BRGR006 at the Borg Prospect returned the following polymetallic intersections:

BGRC004: 8m @ 780 ppm Zn, 190 ppm Cu, 144 ppm As from 12m depth (oxide) and 8m @ 830 ppm Zn, 180 ppm Pb, 140 ppm As from 112m depth (primary)

BGRC 006: 48m @ 390 ppm Pb, 720 ppm As, 30 ppm Cd, 20 ppm W, 14 ppm Sb from 40m depth (primary)

In the deeper RC holes at Borg:

BGRC014: 16m @ 784ppm As, 13ppm Cd, 90ppm Pb, 15ppm Sb from 84m depth in quartz/sulphide vein

BGRC015: 4m @ 24ppb Au, 361ppm Zn from 52m (primary)

24m @ 1.7ppm Ag, 96ppm Cu 359ppm Zn from 136m depth (primary)

BGRC016: 12m @ 681ppm Cu, 38ppm Zn from 108m depth (primary)

These and the other drillhole analyses also explain the highly anomalous values of Bi, Cd, Mo, As, Te, W and Sb encountered in the Company's previously reported 1km by 1km spaced mag-lag sampling program. The Company considers that the highly anomalous base metals signatures so far detected provide strong support for the Company's SEDEX targeting model and further exploration.

Anomalous base metals included Cu, Pb, Zn, As, Cd, Mo, Sb & W. A metal depletion zone was encountered from surface, and some enrichment was encountered in the transition zone. Cross sections with geology and events will be prepared following receipt of 1m assays.

AZAN PROSPECT

At the **Azan** prospect, 6 shallow vertical RC holes (AZRC001 - 006) were drilled to test two GEM/gravity features which also had anomalous surface geochemistry. AZRC001 - 005 encountered sediments with anomalous values of Cu, Pb, Zn, Sb, W and Au in the transition zone, but were not deep enough to test the primary zone. Hole AZRC006 encountered dolerite from 24m depth to end of hole at 69 metres depth. The best results were from AZRC004, which tested the western edge of the A2 gravity feature.

AZRC004: 32m @ 260ppm Zn, 160ppm Cu, 65ppm Co, 23ppm As, 10% Fe from 20m depth.

Subsequently, 3 deeper angled RC holes (AZRC007 – 009) were drilled to test the geochemistry of the underlying fresh rock. Hole AZRC007 encountered anomalous Cu and Zn towards the bottom of the hole.

AZRC007: 16m @ 250ppm Cu, 210ppm Zn from 112m depth.

See Figure 3 below for the location of the drillholes in relation to the Gravity Image.

Results from AZRC 007 (112-169m) and AZRC008 & AZRC009 have not yet been received.

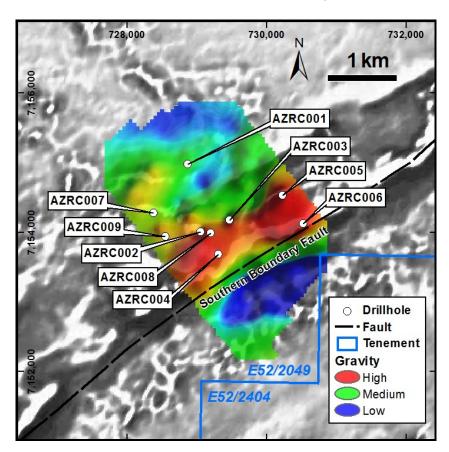


Figure 3. Azan Prospect. Bouguer Anomaly Gravity Image & RC Drill Hole Collars

CHEKOV, ELIM & FORGE PROSPECTS

At the **Checkov** prospect, 2 deep RC holes (CKRC001 -002) were drilled to test a combined gravity and GEM target. Both holes intersected zones of anomalous zinc mineralization, with a higher grade zone in CKRC002.

CKRC001: 20m @ 234ppm Zn, 90ppm Cu, 110ppm Co from 40m depth.

CKRC002: 130m @ 250ppm Zn from 44 m depth, including

24m @ 540ppm Zn, 340 ppm Cu, 245ppm Pb, 11ppm Sb, 21 ppm As from 68m depth.

At the **Elim** prospect, 3 deep RC holes (EMRC001 – 003) were drilled to test three gravity/GEM targets. No significant results were obtained from EMRC001 and 002, but a broad zone of copper and zinc mineralization was intersected in EMRC003.

EMRC003: 32m @ 330ppm Cu, 210 ppm Zn from 64m depth.

At the **Forge** prospect, 3 deep RC holes (FGRC001 -003) were drilled to test a combined gravity and GEM target. No significant results were obtained from FGRC001 - 003, although FGRC003 intersected Proterozoic dolerite. See Figure 4 below for location of drillholes in relation to the gravity anomalies.

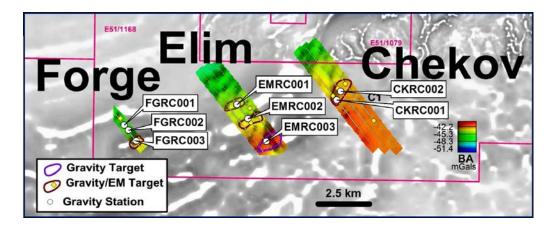


Figure 4. Chekov, Elim & Forge. Bouguer Anomaly Gravity Image & Targets

DAX PROSPECT

At the **Dax** prospect, 2 deep RC holes (DXRC001 - 002) were drilled to test a combined gravity and GEM target. Hole DXRC001 intersected goethitic alteration associated with silicified shales in the interval 150 - 159m.

DXRC001: 10m @ 250ppm Cu, 5ppm Sb, 12ppb Au from 150m depth.

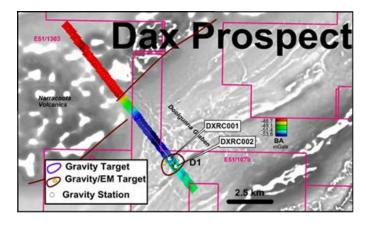


Figure 5. Dax Prospect. Bouguer Anomaly Gravity Image & Targets & RC Holes

FRASER RANGE PROJECT

The Fraser Range Project covers 594km² and is located approximately 100km east of Norseman, within the Albany-Fraser Orogen. Enterprise's landholding is located between Sirius Resources Ltd's Nova and Crux prospects. (Refer Figure 3) Enterprise's drill targets have geological similarities to Nova and Crux. (Refer ASX release 13 December 2013)

The Project is considered prospective for copper/nickel/PGE and gold mineralisation and covers the core of the Fraser Range gravity feature, which defines the prospective nickel-copper belt containing Sirius' Nova deposit. The Company has identified four high priority targets for drill testing at the Plato, Heart, Highway and McPherson's prospects using soil geochemistry and HeliTEM data. (Refer Figure 6)

To date (30 April), two RC holes have been completed at Plato, which represents about 25 per cent of the planned 1,500-2,000 metre initial reconnaissance drilling program at Plato. The Company has reported field observations as follows:

- Hole PLRC001 was drilled on the eastern margin of the Plato drill traverse on 6434150 North and intersected unmineralised gabbro from 1 metre below surface to 250m (End of Hole or "EOH").
- Hole PLRC002 was drilled 200m west of PLRC001 and intersected 50m of regolith cover, and then
 entered fresh ultramafic bedrock to end of hole at 252m. From visual observation of drill chips at
 the drill site, the ultramafic bedrock contains varying amounts of disseminated sulphides (principally
 pyrrhotite) from 50m to end of hole, with occasional traces of possible disseminated nickel sulphide
 minerals. Drill samples have been sent to a commercial laboratory for analysis.

Diamond core (DC) tails will be used to deepen the RC holes in preparation for down-hole EM to search for massive sulphide occurrences proximal to drill holes.

The Plato drilling program has attracted a government co-funding grant of \$150,000 under the Royalties for Regions Co-funded Government – Industry Drilling Program (Round 8) of the Exploration Incentive Scheme ("EIS"). Under the EIS, funds committed by Enterprise will be matched by funds from the State Government's program, up to the maximum of \$150,000.

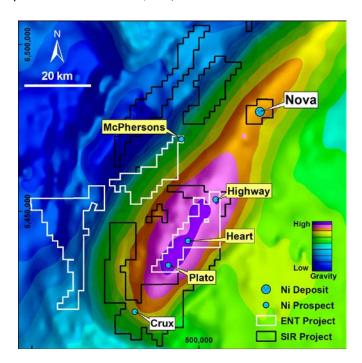


Figure 6. Location of Plato Prospect on Southern Fraser Range, Gravity Image

DARLOT PROJECT

During the December 2013 Quarter the Company entered into an agreement with Independence Group NL (ASX:IGO) whereby IGO has the right to earn a 70% - 80% interest in Enterprise's Darlot Project covering some 740km² of tenure approximately 60km north from IGO's Jaguar Project (Figure 5).

The project, which covers similar volcanic stratigraphy to the Jaguar Project, has strategic value to IGO in that any base metals discoveries are potentially within economically viable trucking distance of its Jaguar processing facility. IGO have reported as follows:

"During the March 2014 Quarter, an additional 470 (-2mm) soil samples were collected on 200m and 400m x 100m grids to both infill and extend the soil sampling coverage completed in the December 2013 Quarter.

In addition a 52 sample orientation auger drilling program was completed in areas of transported cover adjacent to the soil sampling grid. The soil sampling has defined further base metal anomalies and enhanced those previously identified. Planning and permitting is in progress to aircore drill test these as soon as practical. The shallow auger drilling program has identified a discrete gold anomaly near Overland Well. This anomaly will be systematically auger sampled during the June 2014 Quarter."

Refer IGO March 2014 Quarterly Report dated 29th April 2014.

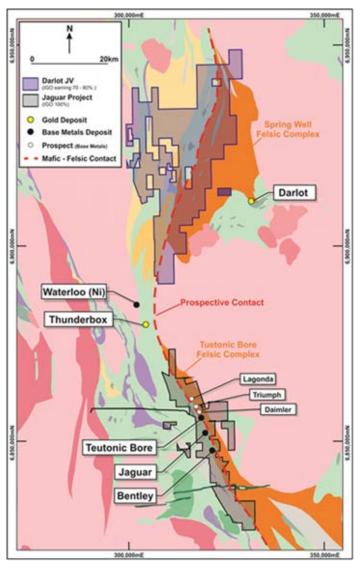


Figure 4. Darlot Project, Regional Geology and Location Plan

CORPORATE

The Company's 31 March 2014 landholdings are shown below and overleaf in Appendix 1.

CASH POSITION

Cash position at 31 March 2014 was \$1.33 million.

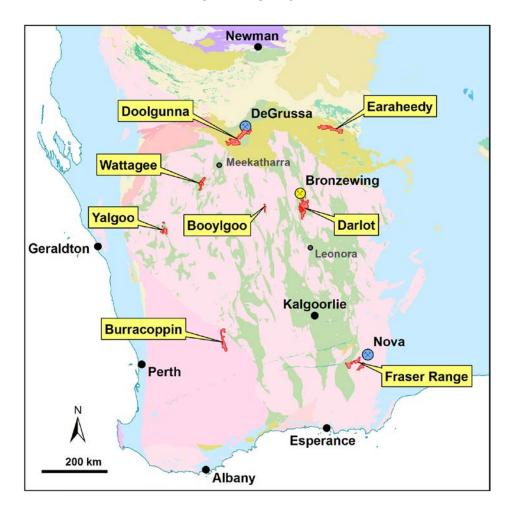
Dermot Ryan Managing Director

Contact: Telephone: 08 9436 9200 Facsimile: 08 9436 9220 Email: admin@enterprisemetals.com.au

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 employed as the Managing Director of the Company through geological consultancy Xserv Pty Ltd. Mr Ryan is a Fellow of the Australasian Institute of Mining & Metallurgy, a Fellow of the Australian Institute of Geoscientists 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 2012 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.

PROJECT LOCATIONS WESTERN AUSTRALIA 31 MARCH 2014



APPENDIX 1: Tenement Schedule at 31 March 2014

Project	Lease	Interest Held	State	Status
Booylgoo	E57/834	100%	WA	Granted
Burracoppin	E70/3637	100%	WA	Granted
Burracoppin	E70/3638	100%	WA	Granted
Burracoppin	E70/4538	100%	WA	Application
Burracoppin	E77/1752	100%	WA	Granted
Darlot	E36/706	80%**	WA	Granted
Darlot	E36/731	100%*	WA	Granted
Darlot	E36/768	100%*	WA	Granted
Darlot	E36/778	100%*	WA	Granted
Darlot	E36/781	100%*	WA	Granted
Darlot	E36/795	100%*	WA	Granted
Darlot	E36/800	100%	WA	Granted
Darlot	E36/801	100%	WA	Granted
Darlot	E36/834	100%	WA	Application
Darlot	E36/835	100%	WA	Application
Darlot	E37/1031	100%*	WA	Granted
Darlot	E37/1075	100%*	WA	Granted
Darlot	E37/1105	100%*	WA	Granted
Darlot	E37/1112	100%*	WA	Granted
Darlot	E37/1185	100%	WA	Application
Darlot	E37/859	80%**	WA	Granted
Darlot	E37/926	100%*	WA	Granted
Darlot	E37/927	100%*	WA	Granted
Darlot	E37/939	100%*	WA	Granted
Darlot	E37/947	100%*	WA	Granted
Darlot	M37/1288	100%	WA	Granted
Darlot	P36/1790	100%	WA	Application
Darlot	P36/1791	100%	WA	Application
Doolgunna	E51/1079	100%	WA	Granted
Doolgunna	E51/1168	100%	WA	Granted
Doolgunna	E51/1301	100%	WA	Granted
Doolgunna	E51/1303	100%	WA	Granted
Doolgunna	E51/1304	100%	WA	Granted
Doolgunna	E51/1539	100%	WA	Granted
Doolgunna	E51/1613	100%	WA	Application
Doolgunna	E52/2049	100%	WA	Granted
Doolgunna	E52/2404	80%	WA	Granted
Doolgunna	E52/2406	80%	WA	Granted
Earaheedy	E69/2607	100%	WA	Granted
Earaheedy	E69/2636	100%	WA	Granted
Fraser Range	E63/1281	100%	WA	Granted
Fraser Range	E63/1282	100%	WA	Granted
Fraser Range	E63/1283	100%	WA	Granted
Fraser Range	E63/1448	100%	WA	Granted
Fraser Range	E63/1695	100%	WA	Application
Kitchener	E28/2403	100%	WA	Application
Lake MacKay	E80/4844	100%	WA	Application
Wattagee	E51/1565	100%	WA	Application
Wattagee	P20/2155	100%	WA	Granted
Yalgoo	E59/2021	100%	WA	Application
Taigoo	LJJ/ 2021	100/0	**/	дрисации

*IGO earning an 80% interest

^{**} IGO earning an 70% interest