



13 February 2013

ASX ANNOUNCEMENT

EAST MENZIES - NICKEL & COPPER SULPHIDES VIOLARITE & COVELLITE SHOW POTENTIAL FOR SUPERGENE MASSIVE SULPHIDE ZONES

Highlights

- Nickel and copper sulphides violarite and covellite indicating potential for supergene sulphide enrichment identified near strong 490m long conductor
- Supergene sulphide violarite, nickel-cobalt sulphide, gossan sampling with grades of 1.47% nickel and 0.12% cobalt and up to 2511ppm nickel samples along with elevated Ag, As, CU, Pb and Zn warrants reason to target conductors
- Drilling program planned to target three moving loop transient electromagnetic MLTEM conductors
- Potential for base metal sulphide deposit down dip of Goodenough Gold Resource
- Further EM work planned to identify additional conductors throughout portfolio
- Conductors have never been drilled tested

Stratum Metals Limited (ASX: SXT) ("Stratum") is pleased to announce that the ongoing review and compilation of past exploration has revealed petrographic studies identifying violarite and covellite (nickel- and copper-sulphide minerals) often associated with supergene enrichment of sulphide ores.

Significance of Supergene Enrichment

Supergene sulphide enrichment is the natural upgrading of buried sulphide deposits by the secondary deposition of metals dissolved in waters percolating through the rock (generally from surface down). The enriched ore forms the supergene zone above the primary (or hypogene) zone and in some cases can hold as much as ten times the original metal content. The supergene phenomenon makes rich ores even richer, lean ores are made more valuable and some ores otherwise too lean to be economic are upgraded enough to be workable.

Stratum Metals Limited ACN 147 867 301

7/151 Macquarie Street, Sydney NSW Australia 2000

Ph +61 2 9276 1245 | Fax +61 2 9276 1284

ASX Code: SXT | www.stratummetals.com.au



The violarite and covellite bearing samples in the historic petrographic studies are from the Goodenough area, East Menzies, within close proximity to the already identified large EM conductors.

A total of seven samples were provided, by past operators, to Pathfinder Exploration for petrographic study and reporting. Samples were collected from two RC holes and from the tribute-mining shaft (~25m depth) at the Goodenough Gold Deposit (co-ordinates provided in Table 1). Analysis shows the presence of various gold, silver, copper, bismuth, zinc and nickel bearing minerals including: gold/silver alloy electrum, silver sulphide argentite/acanthite, copper sulphides chalcopyrite and covellite, bismuth sulphide tetradymite, zinc sulphide sphalerite plus nickel sulphide violarite/pentlandite.

Significance of the Findings

Violarite and covellite can form as a result of supergene oxidation processes or, in the case of violarite low temperature metamorphic environments and for covellite hydrothermal processes. If the presence of violarite and covellite within the samples from Goodenough is indicative of supergene oxidation there may be an **enrichment zone (sulphide ore target)**.

In order for supergene enrichment to occur, oxidation of the surface minerals must occur. Additionally, the ore deposit must contain iron sulphides and metals such as copper and silver that can undergo enrichment. The deposit must be permeable to permit percolation of the mineral solutions. The oxidized zone cannot contain carbonate rocks and other precipitants that hinder the formation of soluble sulphates. Lastly, the deposits can form only where oxygen is excluded, as below the water table, and where there are underlying ore minerals to be displaced.

The mineralogy and recent sampling completed by Stratum shows the required metals to be present, the geology of the Goodenough area is amphibolite schist (after mafic volcanics), a quartz/chert band and felsite rocks which should be suitable hosts. Locally the water table is understood to be deep suggesting any supergene enrichment zone would be expected to occur at depth. Finally the mineralisation at Goodenough is open at depth and along strike.

The map below (Figure 1) shows the general location of the samples, and the relatively close proximity to MLTEM Conductor 3 (GV-C3). The map also shows Conductor 3 to sit within the same geological environment as the source of the petrographic samples. A program of work to allow drill testing of this target is under assessment by the Department of Mines and Petroleum; Stratum plans to commence drilling followed by a down hole EM survey as soon as possible. Additionally the companies consulting Geophysicist is currently assessing the options for a project wide EM survey.

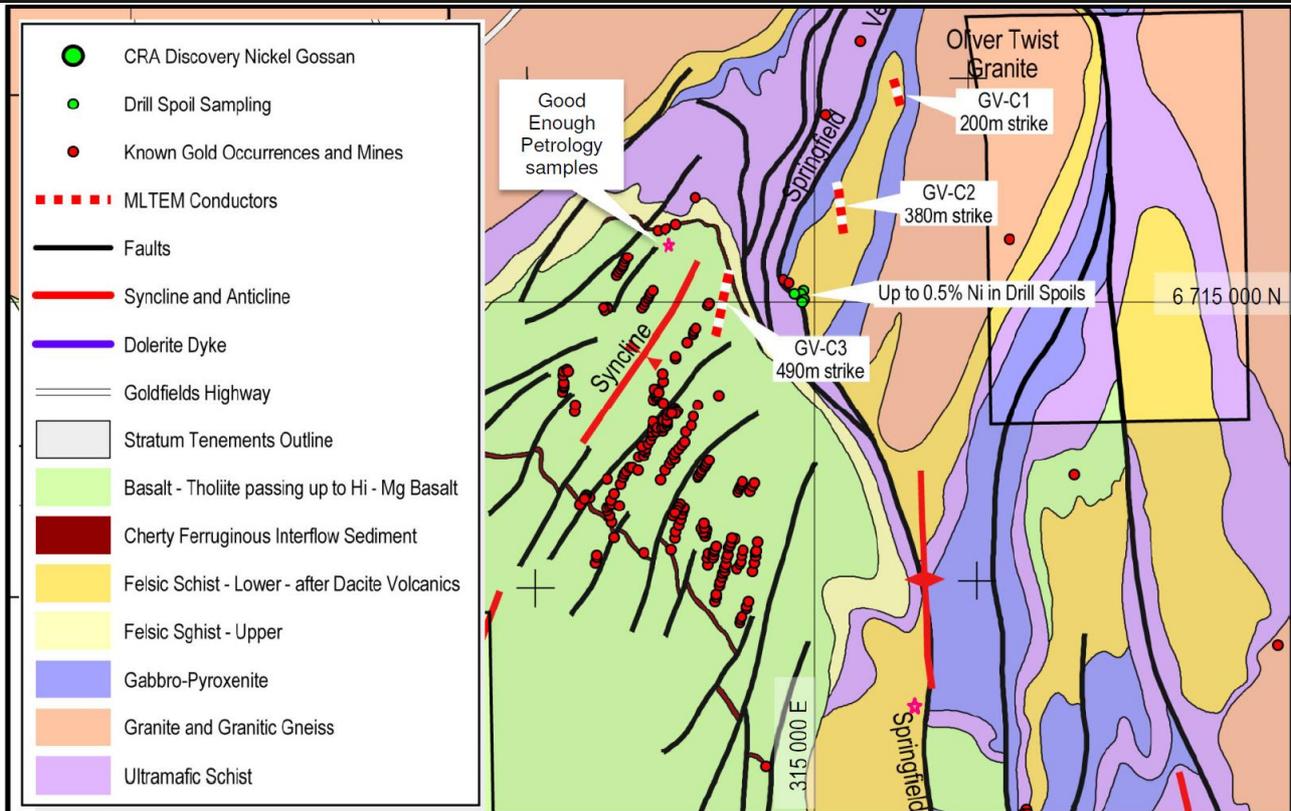


Figure 1 – Petrographic sample locations



Martin Holland
Managing Director

¹ The Goodenough deposit is a gold resource of 547,000t at 2.1g/t as detailed in ASX announcement dated 19 November 2012. Note: routine analysis of past drill samples at Goodenough only tested for gold.

The information in this release that relates to Exploration Results and planning is based on information compiled by Todd Axford, who is a member of the Australasian Institute of Mining and Metallurgy. Todd Axford is contracted to the company, and has sufficient experience relevant to the styles of mineralisation and type of deposit under consideration and to the activity he is undertaking, to qualify as a Competent Person as defined in the December 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Todd Axford consents to the inclusion in the release of the matters based on his information in the form and context in which it appears.



About Stratum Metals Limited

Stratum was formed to utilise some of the latest innovations in geosciences to target areas in Western Australia prospective for the discovery of gold and copper-gold ore bodies.

Stratum has acquired a tenement portfolio located in the prospective gold and copper mineralisation region of Yilgarn in Western Australia. These tenements cover a range of mineralising systems in known and emerging mineral provinces in Western Australia, where potential exists for new gold, copper and nickel discoveries.

Stratum has commenced comprehensive and intensive exploration of the targets identified in the search for new ore bodies.

Stratum Metals Limited ACN 147 867 301

7/151 Macquarie Street, Sydney NSW Australia 2000

Ph +61 2 9276 1245 | Fax +61 2 9276 1284

ASX Code: SXT | www.stratummetals.com.au