

Seven outcropping lithium-bearing pegmatites now identified at Forrestania ahead of key drill program

Three new highly promising targets discovered along strike from Kidman Resources' world-class Earl Grey and Bounty lithium deposits; Drilling to start mid-June

HIGHLIGHTS

- New discoveries increase the total number of lithium-bearing pegmatite outcrops discovered on 100% Marindi ground to seven
- Chemistry in-line with nearby Earl Grey and Bounty pegmatites
- 50km of highly-prospective unexplored 100%-owned ground between discoveries
- Initial drill campaign commencing mid-June 2018

Marindi Metals Limited (ASX: MZN) is pleased to advise that it has discovered three additional lithium-bearing specialised pegmatite outcrops at its 100%-owned Forrestania Lithium-Gold Project in Western Australia, increasing the total number of Lithium-Cesium-Tantalum (LCT)-pegmatites identified at the project to seven (see Figure 1).

The new discoveries, which were made during the most recent site visit to Forrestania, mark the culmination of the highly successful soil sampling which has been completed ahead of a pivotal drilling program which is scheduled to commence within days.

"Our initial sampling work has proven to be a very strong foundation for lithium exploration and discovery, delivering three more drill-ready targets across the Mt Holland and Cosmic Boy prospect areas," said Marindi's Managing Director Simon Lawson.

"Marindi holds more than 1,000sq km of highly prospective ground in one of the last under-explored greenstone belts in Western Australia.

"Our systematic approach to exploration initially saw us narrow down this broader area to three key areas of focus, before employing a suite of geochemical pathfinder elements during subsequent soil sampling – which has revealed multiple lithium-associated anomalies for follow-up work.

"This approach, together with a boots-on-ground philosophy, has now delivered seven drill-ready lithium targets which will be systematically tested during the upcoming drill program.

Level 3, 35 Havelock St West Perth, WA, 6005



"Even more exciting is the fact that we believe we have only just scratched the surface of our Forrestania Project area – and there is potentially a lot more to come," Mr Lawson added.



Figure 1. Regional geology plan showing location of MZN prospect areas with respect to other significant lithium deposits and drill intercepts.

New Lithium Outcrop Discoveries

At the Mt Holland prospect area, located in the north of the Forrestania Project, the original outcrop discovery within the Tillerson Anomaly has been named the Alfa pegmatite, while two additional outcrops, named Bravo and Charlie, have been discovered less than 2km to the east.

As with observations of the Alfa discovery, the Bravo and Charlie pegmatite targets show an orientation strike parallel to the eastern granite/greenstone contact.

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The Mt Holland prospect area now contains three drill-ready specialised LCT-pegmatite outcrop targets located within 5km of the world-class Earl Grey and Bounty LCT pegmatites (see Figure 2).



Figure 2. Plan view of the Alfa, Bravo and Charlie LCT-pegmatite outcrops and associated geochemical anomalies.

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The Cosmic Boy prospect area lies 50km to the south of the Mt Holland prospect area (see Figure 1) and, following an additional discovery, now contains three LCT-pegmatite outcrops – the Delta, Echo, and Foxtrot pegmatites.



Figure 3. Plan view of the Delta, Echo and Foxtrot LCT- pegmatites and associated geochemical anomalies.



The Diggers Rocks prospect area is located around 20km from the Cosmic Boy prospect area (see Figure 1) and contains the Golf drill-ready LCT-pegmatite outcrop.



Figure 4. Plan view of the Golf LCT- pegmatite and associated geochemical anomaly.

Simon Lawson Managing Director and CEO

Investor Inquiries

Marindi Metals Limited Jeremy Robinson 08 9322 2338 info@marindi.com.au

Media Inquiries

Read Corporate Nicholas Read 08 9388 1474 nicholas@readcorporate.com.au



Competent Persons Statement

Information in this release that relates to Exploration Results is based on information prepared by Mr Simon Lawson a Member of the Australasian Institution of Mining and Metallurgy and the Australian Institute of Geoscientists Mr Lawson is the Managing Director of Marindi Metals Ltd, a full-time employee and shareholder. Mr Lawson has sufficient experience which is relevant to the styles of mineralisation and types of deposits under consideration and to the activities 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". Mr Lawson consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.



Appendix 1 – JORC TABLE 1

Section 1 Sampling Techniques and Data (Criteria in this section apply to all succeeding sections)

Criteria	JORC Code Explanation	Commentary
Sampling techniques	 Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down-hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information. 	 Soil samples are located using a hand held GPS. Sites are cleaned of organic matter. A pit is dug down to 10cm and a sample is put through a 1.6mm Sieve. Approximately 30g of the sieved sample is collected in a geochem bag. Duplicates are taken every 40th sample. To assess the soil geochemistry repeatability and the XRF analytical repeatability.
Drilling techniques	 Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.). 	• N/A to this release
Drill sample recovery	 Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material. 	N/A to this release
Logging	 Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography. The total length and percentage of the relevant intersections logged. 	 The topographical setting is recorded for each soil sample, eg "steep slope facing East".



Subsampling techniques and sample preparation	 If core, whether cut or sawn and whether quarter, half or all core taken. If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry. For all sample types, the nature, quality and appropriateness of the sample preparation technique. Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling. Whether sample sizes are appropriate to the grain size of the material being sampled. 	•	Soil samples are located using a hand held GPS. Sites are cleaned of organic matter. A pit is dug down to 10cm and a sample is put through a 1.6mm Sieve. Approximately 30g of the sieved sample is collected in a geochem bag. An orientation survey over a mineralised horizon was completed prior to deciding the appropriate fraction size to assess for a base metal suite. A 1.6mm Sieve is moderate to coarse fraction and is considered appropriate for pegmatitic minerals. Duplicates are taken every 40 samples. To assess the soil geochemistry repeatability.
Quality of assay data and laboratory tests	 The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. Nature of quality control procedures 	•	Samples are analysed via a 4 acid digest with an ICP-MS finish. This method is considered to be a total analysis of the sample with 48 elements assayed for. Samples were also assayed for trace level Au via a 25g fire assay. The analysis is completed by an industry leading laboratory. Each batch of samples analysed has several standards, blanks and duplicates included.
assay data and laboratory tests (Cont'd)	adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.		leading laboratory. Each batch of samples analysed has several standards, blanks and duplicates included.
Verification of sampling and assaying	 The verification of significant intersections by either independent or alternative company personnel. The use of twinned holes. Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. Discuss any adjustment to assay data. 	•	Data have been verified by Marindi personal and contract professionals. Follow up soil sampling around anomalies is planned for the near future to confirm repeatability of anomalous samples and continuity between samples. No adjustment to assay data has occurred.
Location of data points	 Accuracy and quality of surveys used to locate drill holes (collar and down- hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. Specification of the grid system used. Quality and adequacy of topographic control. 	•	Soil sample sites are located using a Garmin hand held GPS. Accuracy is assumed to be within +- 4m. Sites are measured in GDA94, MGA Zone 50.
Data spacing and distribution	 Data spacing for reporting of Exploration Results. Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. Whether sample compositing has been applied. 	•	The soil grid is 800m x 100m. Soil sample spacing is defined by geological criteria and is regarded as appropriate to establish first pass geochemical anomalies. Spacing is shown in the accompanying figures.
Orientation of data in relation to	 Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. 	•	No orientation based sampling bias has occurred.

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geological structure	 If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material. 	
Sample security	 The measures taken to ensure sample security. 	 Appropriate security measures are taken to dispatch samples to the laboratory. Chain of custody of samples are managed by Marindi Metals. Samples are stored onsite and transported to the laboratory by contractors. The laboratory issues a receipt and a reconciliation of delivered samples against the laboratory analysis submission form from Marindi Metals.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	 Marindi Metals have not completed any external audits or reviews of the sampling techniques and data.



Section 2 Reporting of Exploration Results (Criteria in this section apply to all succeeding sections)

Criteria	JORC Code Explanation	Commentary
Mineral tenement and land tenure status	 Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area. 	 The Forrestania Project comprises of 6 granted exploration tenements E77/2345, E77/2348, E77/2346, E77/592, E77/586, E77/591, 1 mining lease M77/549 and 1 application for an exploration tenement E77/2364. All tenements are held by Forrestania Pty Ltd with the exception of M77/549 which Marindi has an option to purchase. No soil sampling was completed in M77/549.
Exploration done by other parties	 Acknowledgment and appraisal of exploration by other parties. 	 No pegmatite exploration has been onducted over the soil sample program area. Small pockets of land have been explored for gold and nickel. Historic data is very limited.
Geology	 Deposit type, geological setting and style of mineralisation. 	 The mineralisation sought is Lithium- Caesium- Tantalum "LCT" style pegmatite. These specialised pegmatites are known to occur in various geological rock types throughout the Forrestania greenstone belt.
Drill hole Information	 A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole o down hole length and interception depth hole length. If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case. 	N/A to this release
Data aggregation methods	 In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated. Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. The assumptions used for any reporting of metal equivalent values should be clearly stated. 	 Geochemical anomalies are expressed as a percentage relative to background. Anomalous areas are defined as being in excess of the 95 percentile of results received. This is also compared to orientation surveys of mineralised pegmatitic terrain in the Forrestania belt.



Relationship between mineralisation widths and intercept lengths	 These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill-hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known'). 	 N/A to this release
Diagrams	 Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views. 	 Appropriate maps with scale are included within the body of the accompanying document.
Balanced reporting	 Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results. 	 The accompanying document is considered to represent a balanced report.
Other substantive exploration data	 Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances. 	 Other exploration data collected is not considered as material to this document at this stage. Further data collection will be reviewed and reported when considered material.
Further work	 The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. 	 Marindi advise that geochemical assessment of the tenements is ongoing.