

# ASX/Media Release

(ASX: MZN)

5 February 2018

Marindi Metals Ltd ABN 84 118 522 124

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#### Contact:

## Joe Treacy

**Managing Director** 

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### **Directors:**

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## **Issued Capital:**

1,780,460,084 fully paid ordinary shares

64m unlisted options Ex. 2.5c Expiring 31 December 2019

# EXPLORATION CONTINUES TO DELIVER POSITIVE RESULTS AT FORRESTANIA LITHIUM PROJECT

- Positive results continue to flow from ongoing major soil sampling program
- Strike length of central Mt Hope anomaly extended by 2.5km to 8km
- Infill soil sampling on priority anomalies underway
- Initial drill testing targeted to commence in March 2018

Marindi Metals (ASX: MZN) is pleased to advise that sampling of the Priority 1 areas at Forrestania recommenced on 10 January 2018, with work over the coming weeks to focus on targets in EL 74/591 on the western side of the Company's 1200 square kilometres tenement package at Forrestania.

The Company also continues to receive significant results from soil sampling at the highly prospective Mount Hope and South Ironcap target areas, located on EL 77/2345 and EL 74/592 respectively (refer ASX release dated 11 January 2018). Summary plans showing the outline of anomalous areas as well as individual images for selected elements are attached.

# Mt Hope Area

The latest results from soil sampling at the Mt Hope area have further extended the strike extent of the largest anomaly (Holland) by approximately 2.5km northward. This is most pronounced on the beryllium (Be) and tin (Sn)images attached, this anomaly can now be traced over an area measuring approximately 8 km by 500m and is the largest of the anomalies previously identified by Marindi at Mt Hope. Soil traverses across the anomaly have returned peaks in lithium (Li), caesium (Cs), Sn and Be at different localities along the 8-km strike of the anomaly, see figures 2-6. The northern Sn and Be part of this anomaly is

underlain by residual soils with in part abundant quartz float. The southern portion of the Holland anomaly is covered by recent sediments. A new large tin and lesser tantalum anomaly(Parker) has been identified at the northern end of the Mt Hope target area, where the soils appear transported and will require testing by drilling.

## **South Ironcap Area**

At South Ironcap, detailed infill sampling (on 50m by 50m spacing) was completed at six sites within the previously identified anomalies at the northern end of the grid to verify the prior sampling results. All five sites interpreted to be indicative of pegmatitic origin were reconfirmed by resampling. A moderate single-point gold-in-soil anomaly was not substantiated by the resampling. All anomalies visited were located over residual soils

The most northerly anomaly (Cosmic Boy East) which has elevated tantalum, beryllium, caesium, tin and is currently unconstrained to the north, and the sampling will need to be extended in this area prior to drilling, see figures 7-11. Similarly, the large Digger Rocks East anomaly has elevated Be, Cs, Li, Sn and Ta along its 7km strike length. This anomaly will also have infill sampling on a nominal 400 by 100m grid to define drill traverse locations.

Approximately 4000 samples have been collected from Forrestania and this has allowed Marindi to focus in on the most prospective areas for drill testing. Outcrop over the majority of the Forrestania project is poor and the next step in the exploration process will include revisiting the sites of all anomalies, undertaking reconnaissance mapping and sampling where required, and determining access for planned future drilling. A Program of Work is will be submitted with the aim of commencing drill testing of anomalous areas in late March, subject to regulatory approval.

Joe Treacy
Managing Director and CEO

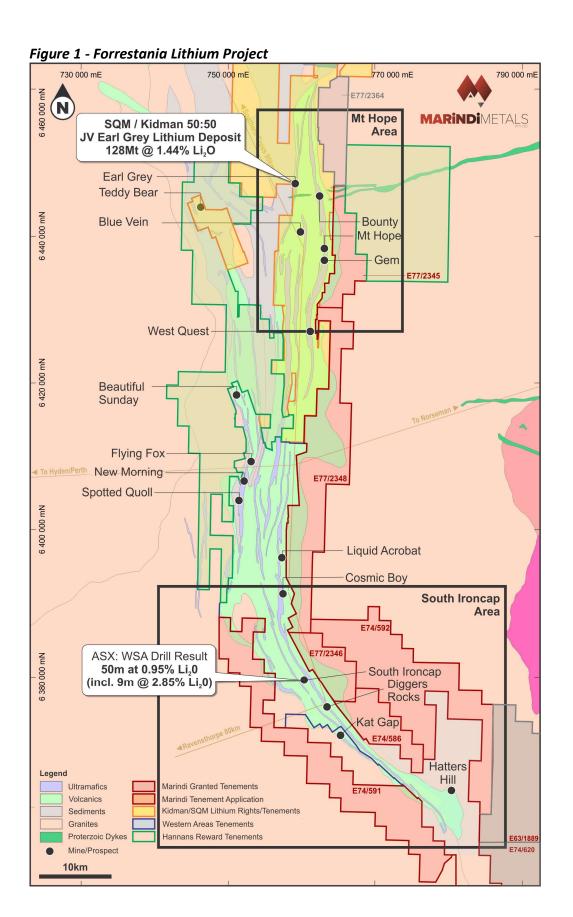
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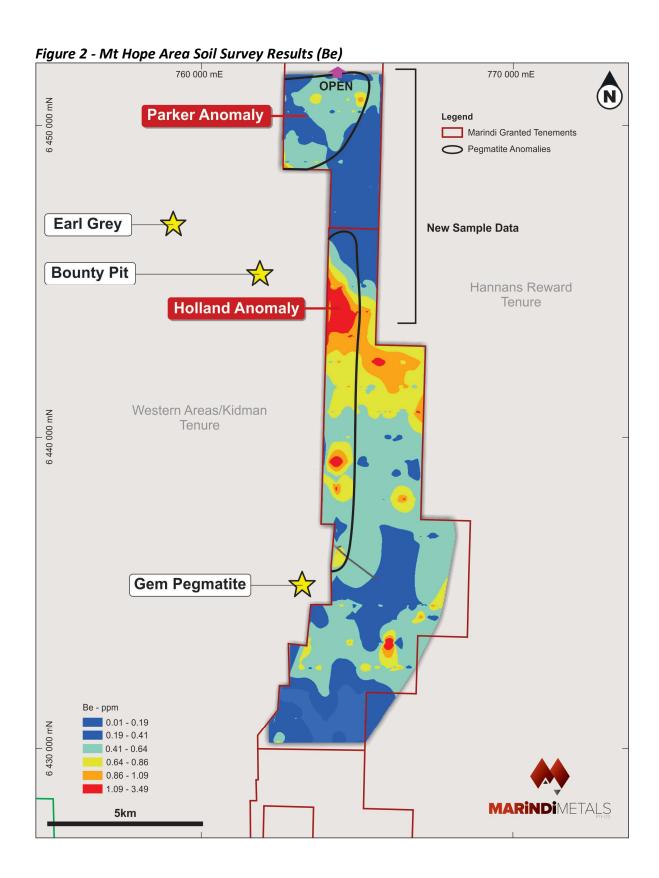
**Media Inquiries** 

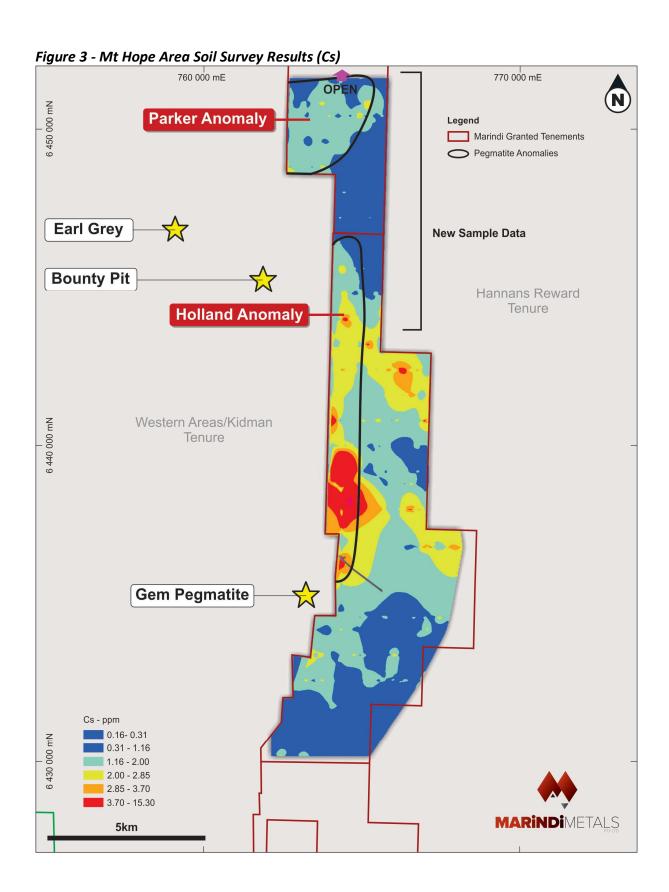
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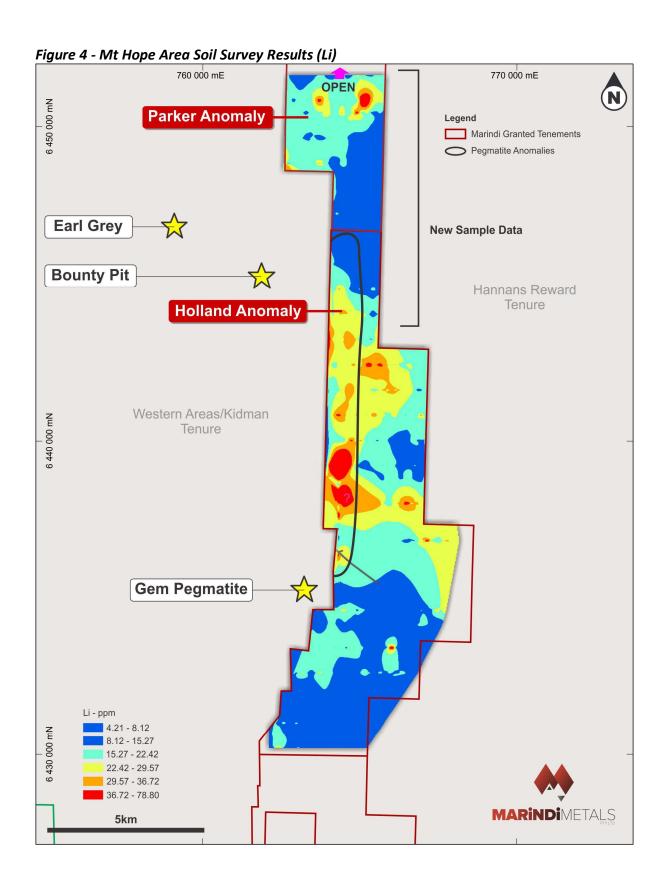
### **Competent Persons Statement**

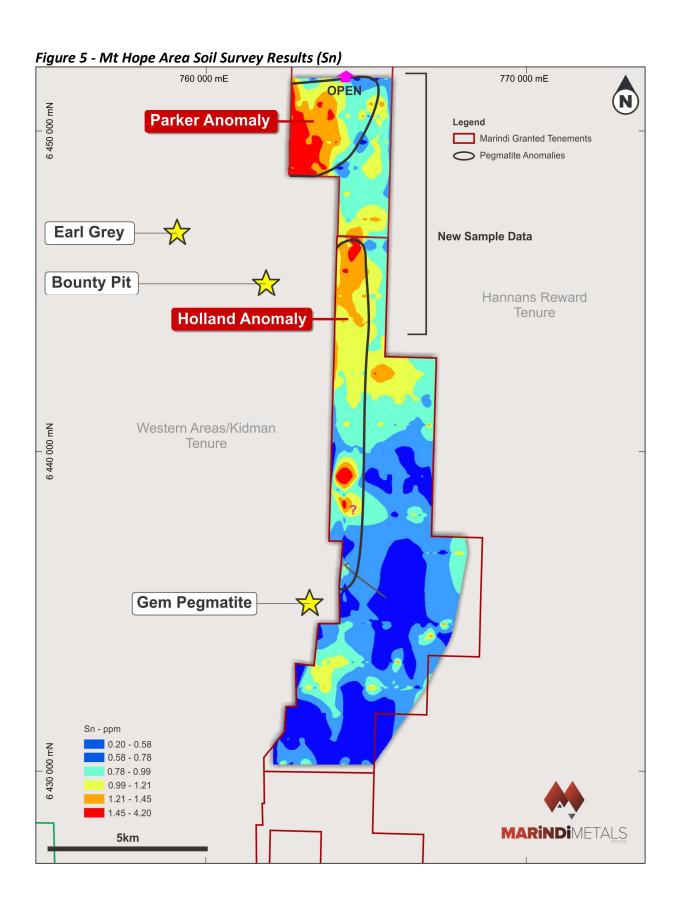
Information in this release that relates to Exploration Results is based on information prepared by Mr Joseph Treacy a Member of the Australasian Institution of Mining and Metallurgy and the Australian Institute of Geoscientists Mt Treacy is the Managing Director of Marindi Metals Ltd, a full-time employee and shareholder. Mr Treacy 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 Treacy consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.

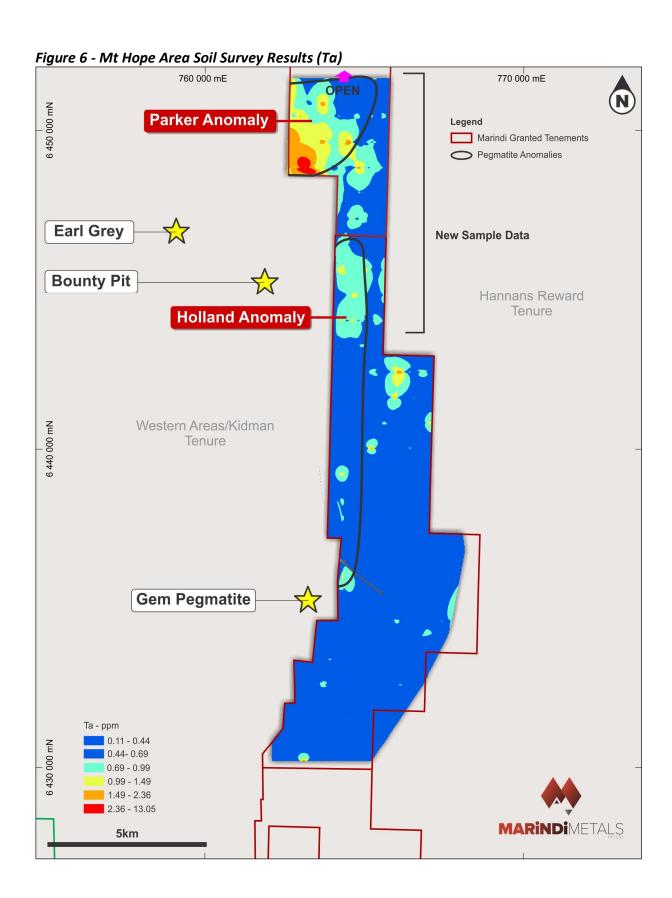


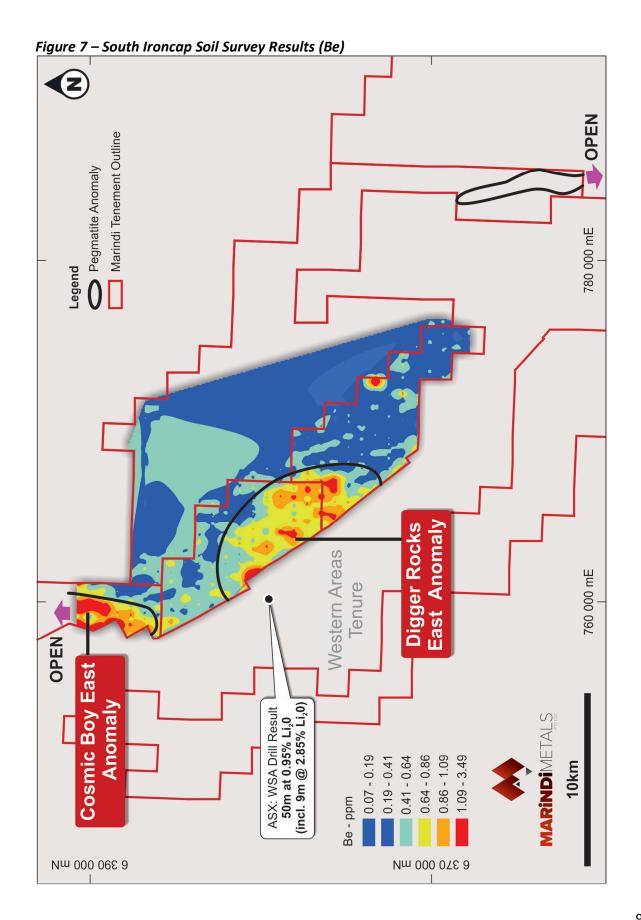


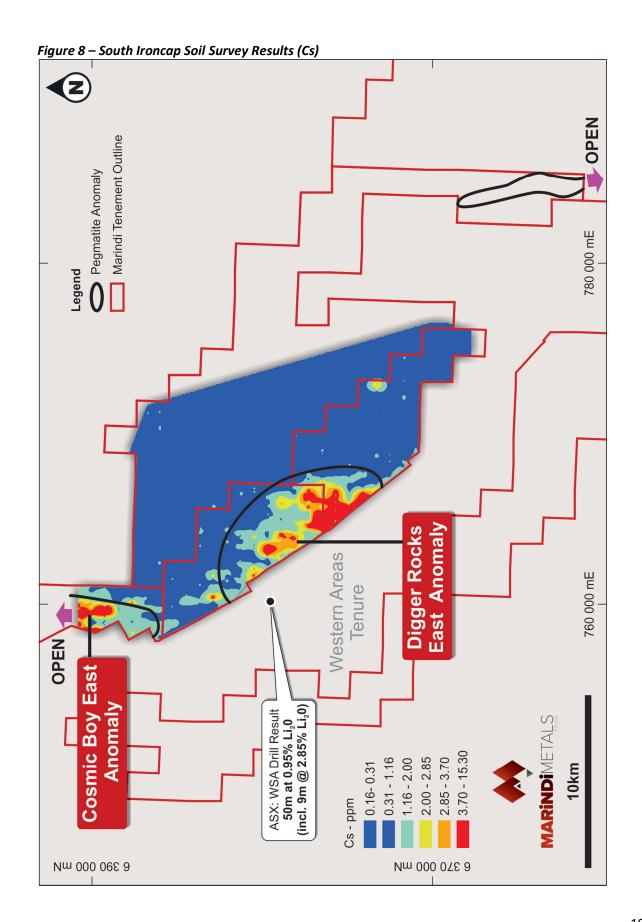


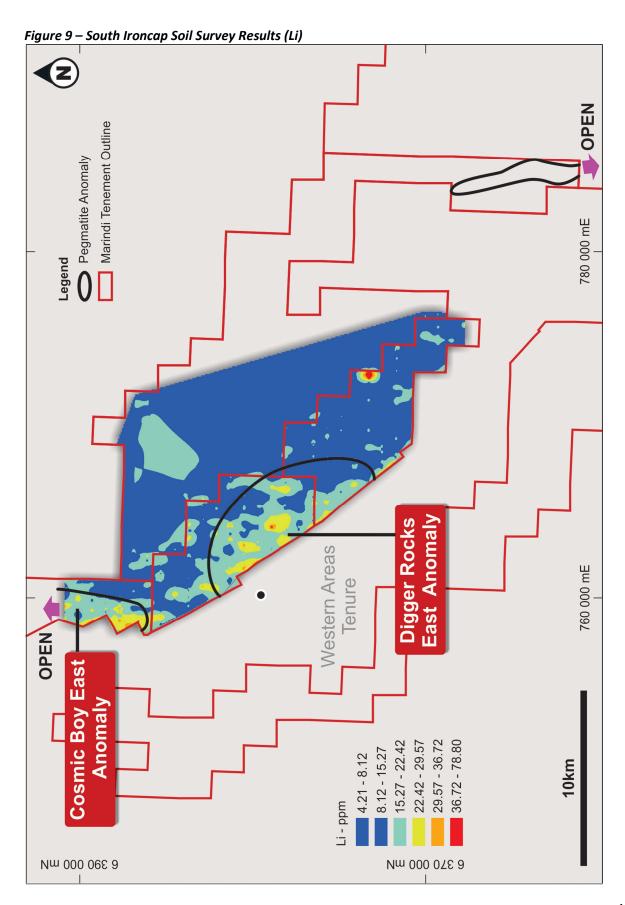


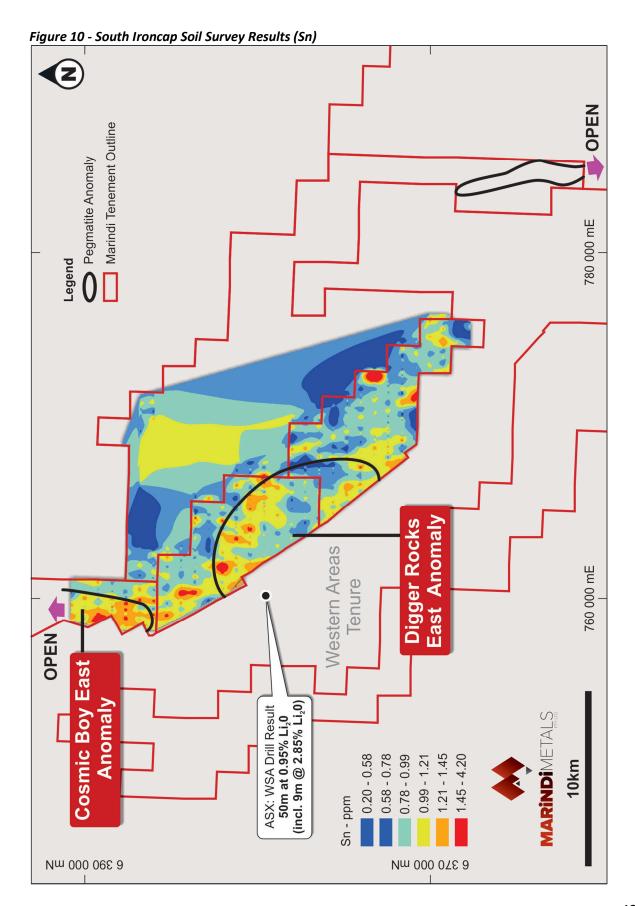


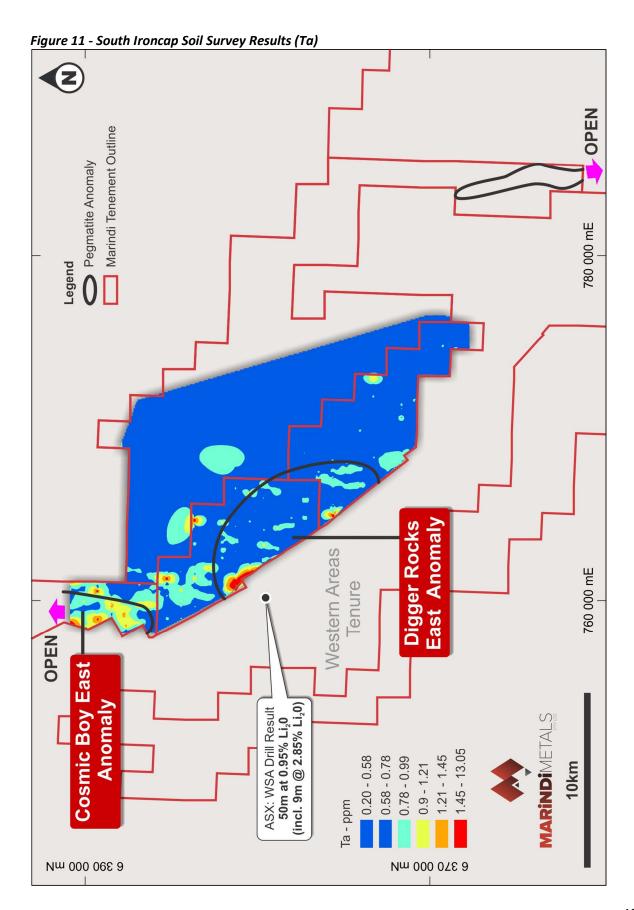












# Appendix 1 – JORC TABLE 1

# **Section 1 Sampling Techniques and Data**

(Criteria in this section apply to all succeeding sections)

Criteria	JORC Code Explanation	Commentary
Sampling techniques	<ul> <li>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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>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.</li> </ul>	<ul> <li>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.</li> <li>Duplicates are taken every 40<sup>th</sup> sample. To assess the soil geochemistry repeatability and the XRF analytical repeatability.</li> </ul>
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

Criteria	JORC Code Explanation	Commentary
Drill sample recovery	<ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> </ul>	N/A to this release
Logging	<ul> <li>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.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography. The total length and percentage of the relevant intersections logged.</li> </ul>	The topographical setting is recorded for each soil sample, eg "steep slope facing East".
Subsampling techniques and sample preparation	<ul> <li>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.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>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.</li> </ul>	<ul> <li>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.</li> <li>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.</li> <li>Duplicates are taken every 40 samples. To assess the soil geochemistry repeatability.</li> </ul>
Quality of assay data and laboratory tests	<ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>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.</li> </ul>	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.

Criteria	JORC Code Explanation	Commentary
Quality of assay data and laboratory tests (Cont'd)	Nature of quality control procedures 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.	The analysis is completed by an industry leading laboratory. Each batch of samples analysed has several standards, blanks and duplicates included.
Verification of sampling and assaying	<ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul> <li>Data have been verified by Marindi personal and contract professionals.</li> <li>Follow up soil sampling around anomalies is planned for the near future to confirm repeatability of anomalous samples and continuity between samples.</li> <li>No adjustment to assay data has occurred.</li> </ul>
Location of data points	<ul> <li>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.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	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	<ul> <li>Data spacing for reporting of Exploration Results.</li> <li>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.</li> <li>Whether sample compositing has been applied.</li> </ul>	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 geological structure	<ul> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>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.</li> </ul>	No orientation based sampling bias has occurred.
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	<ul> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	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	<ul> <li>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.</li> <li>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.</li> </ul>	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 conducted 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:	N/A to this release

Criteria	JORC Code Explanation	Commentary
Data aggregation methods	<ul> <li>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.</li> <li>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.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	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	<ul> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>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').</li> </ul>	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.

Criteria	JORC Code Explanation	Commentary
Further work	<ul> <li>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	Marindi advise that geochemical assessment of the tenements is ongoing.