ASX: ANX 23 AUGUST 2023

# EXTENSIVE PEGMATITES AT WHIM MAAR AND LOUDENS PATCH TO BE ASSESSED FOR LITHIUM FERTILITY

- **Mapping defines extensive pegmatite swarms at Whim Maar & Loudens Patch**
- **Located adjacent to Anax flagship Whim Creek Cu-Zn Project**
- **Over 200 pegmatite rock samples sent for geochemical analysis**
- **Soil sampling progressing**
- **Initial rock chip results received**

Anax Metals Limited (ASX: ANX) ("**Anax**" or "the **Company**") is pleased to announce it has completed regional pegmatite mapping and rock chip sampling at Whim Maar and Loudens Patch Prospects, located in the Pilbara region of Western Australia. Whim Maar is the northernmost prospect of the Whim Creek Project, 80% owned and operated by Anax, under a JV with Develop Global (ASX:DVP). Loudens Patch is 100% Anax owned and located adjacent to the east of Whim Creek Project (see Figure 1).

**Geoff Laing, Managing Director of Anax, commented on the work done:**

*"Pegmatite swarms at Whim Maar and Loudens Patch are far more extensive than were initially identified by historical mapping or recent reconnaissance sampling. Anax's mapping and sampling programme has defined new pegmatite swarms, which have been sampled for geochemical and mineralogical analysis. This work provides further encouragement of potential lithium fertility based on field observations.*

*"Soil sampling work continues, which will define the extent of lithium geochemical anomalies and may help to identify pegmatites obscured beneath recent alluvial cover."*

Following the recent discovery of pegmatites with potential lithium bearing minerals[1], Anax undertook regional geological mapping at 1:5,000 scale at Whim Maar and Loudens Patch Prospects. 219 rock chip samples were collected in parallel with this work and samples have been submitted to LabWest for analysis.

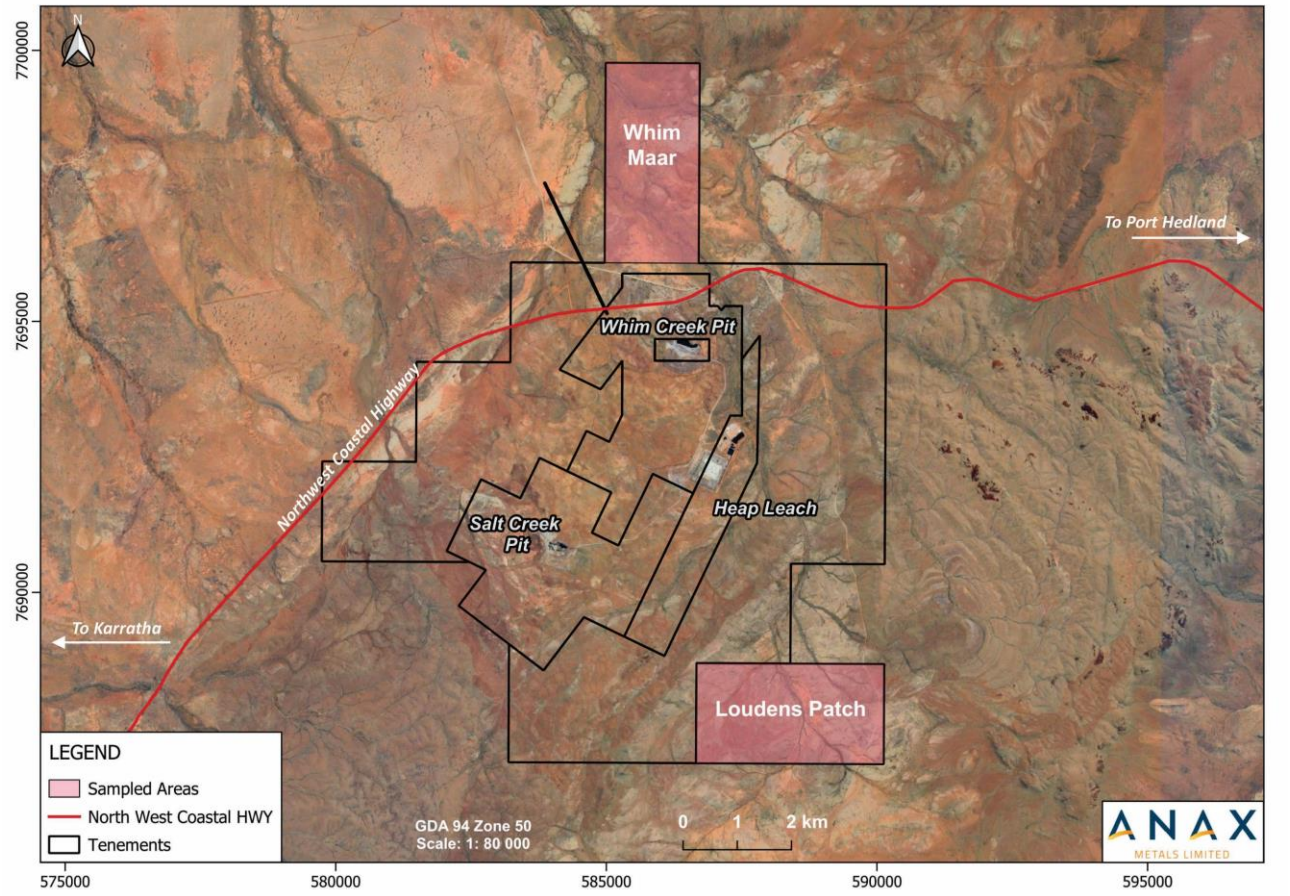


*Figure 1: Whim Maar and Loudens Patch Lithium Pegmatite Mapping Area Locations*

## Whim Maar Prospect

Geological Survey of Western Australia (GSWA) 1:100,000 mapping, 2020, records the dominant igneous rock types of the Whim Creek Greenstone Belt over elevated ground at Whim Maar, however, pegmatites were not recorded at that scale.

In 1976, Texasgulf, searching for new copper-zinc deposits, carried out historical mapping (1:4,800) at Whim Maar (GSWA Report A6759), identifying a northeast trending swarm of quartz pegmatites amid calcrete. This mapping is incorporated into Figure 2, below. Calcrete, which dominates outcrop at Whim Maar, is a weathering product of calcium-rich host rocks (such as komatiitic lava flows) and formed during high-rainfall tropical paleoclimates. Elsewhere on the coastal plain, sheetwash from annual cyclonic events covers large areas meaning outcrop was limited.

Anax reconnaissance exploration in June 2023 confirmed that pegmatites were far more extensive than had been historically mapped. Systematic regional mapping and sampling in July and August 2023, extended the known pegmatite swarms (see Figure 2). Outcropping pegmatites consist primarily of quartz-feldspar cores, some with entrained wall rock xenoliths. Lithium bearing minerals, such as spodumene, are evident, though rare at surface in the extensively weathered terrain, due to lithium being highly mobile.

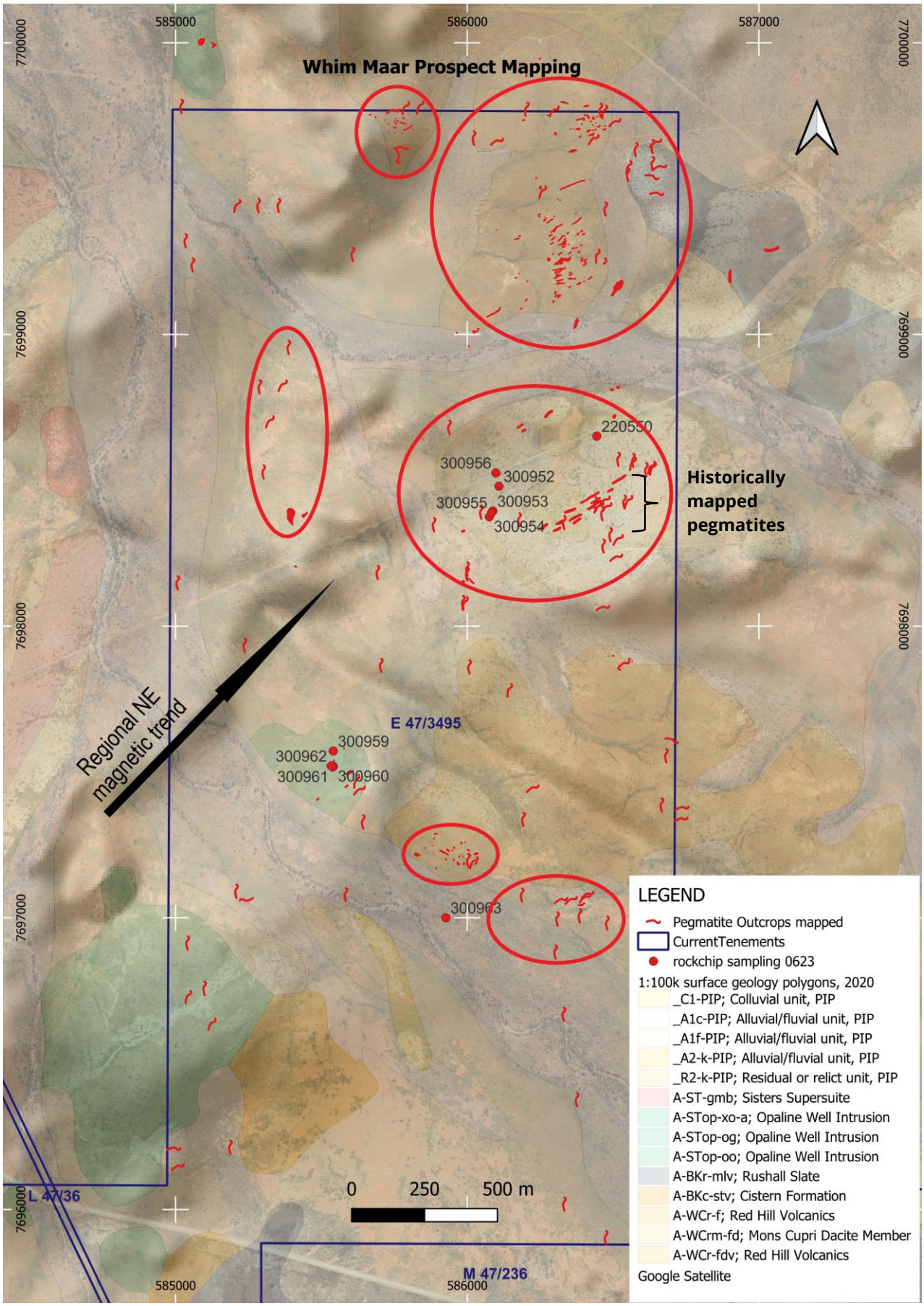


*Figure 2: Mapping and sampling at Whim Maar Prospect over GSWA Geology*

Whim Maar geology is dominated by Archean volcanic units, namely:

- Opaline Well Layered Mafic Intrusive, of intermediate composition, frequently associated with mineralisation (nickel-cobalt and platinum group metals) in the Pilbara.
- Red Hill Volcanics dominate Whim Creek Greenstone Belt Geology, consisting of felsic volcanic units, porphyry intrusives, tuffs and turbidites.
- Mons Cupri Dacite consists of extrusive and intrusive igneous rocks of intermediate composition.

Mapping identified two large pegmatite swarms up to 0.6km$^2$ in area, within the northeast quadrant of the Whim Maar Prospect, coinciding with magnetic lows which follow the regional northeasterly trend (see magnetic hill shading in Figure 2). Pegmatites outcrop as low-lying quartz domes and boulders (see Figure 4 below), occurring in swarms, typically following the regional northeast trend. Extensive calcrete weathering and/or alluvial sheetwash, make pegmatites difficult to see on the ground. Pegmatite mapping to date is therefore not exhaustive.

Lithium bearing pegmatites may be zoned or massive. The quartz pegmatite cores found at Whim Maar suggested zoned pegmatites are likely here (see figure 4). Calcrete traps remnants of surrounding rock types and may prove useful for geochemical sampling where limited outcrop remains.

Spodumene and other lithium bearing minerals, were noted in numerous pegmatites during mapping (see Figure 3 and Table 1 below). Striations and a perfect cleavage are distinguishing features of spodumene, which may be cream, light green, or lilac in colour. The mineral is very hard, another characteristic that aids field identification. However, microscopic mineral verification is necessary to confirm the mineral species. Spodumene may be accompanied by other lithium-bearing minerals such as elbaite, lepidolite or petalite micas. Non-lithium bearing pegmatite minerals observed included quartz, feldspar, mica and schorl tourmaline. Samples have been collected for mineralogical analysis, which will follow geochemical analysis, currently underway at LabWest.

While the recent mapping of extensive pegmatite swarms provides further encouragement for potential lithium mineralisation at Whim Maar, and evidence of spodumene minerals is present, lithium is highly mobile and readily weathers at surface. Reconnaissance sampling in June 2023 visually identified spodumene in rock and float samples that generated only low-level lithium anomalism up to 35ppm (see Appendix 1, below). These low lithium geochemical anomalies, may be attributed to relict spodumene or pseudomorph minerals, as concluded in consultation with a local mineralogist. Anax is therefore reliant on defining lithium potential from the soil geochemistry and UltraFine+™ soil sampling is ongoing at Whim Maar. Trenching or auger drilling may then be warranted to obtain fresh samples below surface.


*Figure 3: Potential lithium bearing minerals in pegmatite samples from Whim Maar Prospect. (301158 -potential green coloured spodumene minerals; 301188 – relict spodumene textures evident)*

*Figure 4: Whim Maar pegmatite outcrops*

## Loudens Patch Project

The 100% Anax owned project lies adjacent to the east of the Whim Creek Project. GSWA 1:100,000 mapping, 2020, at Loudens Patch records Archean Mallina Formation metasediments forming a triangular sub-basin between the Loudens Fault to the west and the Mallina Shear to the south, both regional gold-mineralised structures. Strong foliation and steep to overturned folding within the Mallina Basin follow the regional northeast trend and provide the ideal structural setting for both structurally controlled gold mineralisation and lithium pegmatites.

Lithium soil anomalies were defined with UltraFine+™ soil sampling in 2021 and 2022, predominantly across the western half of Loudens Patch[1]. Recent reconnaissance rock chip sampling verified these anomalies as in situ (see Figure 5 and Appendix 1, below). As at Whim Maar, sheetwash alluvial cover and calcrete obliterate large areas of outcrop, nevertheless recent mapping defined pegmatite swarms that were far more numerous than previously thought, extending over 600m in length (see Figure 5 below). Microscopic mineralogical analysis for spodumene will follow geochemical analysis of new rock chip samples.

In addition to pegmatite sampling, potential gold bearing rock types, such as limonitic quartz veins, conglomerates and breccias, were sampled to follow up gold-in-soil anomalies and rock chips have been submitted to LabWest for analysis.

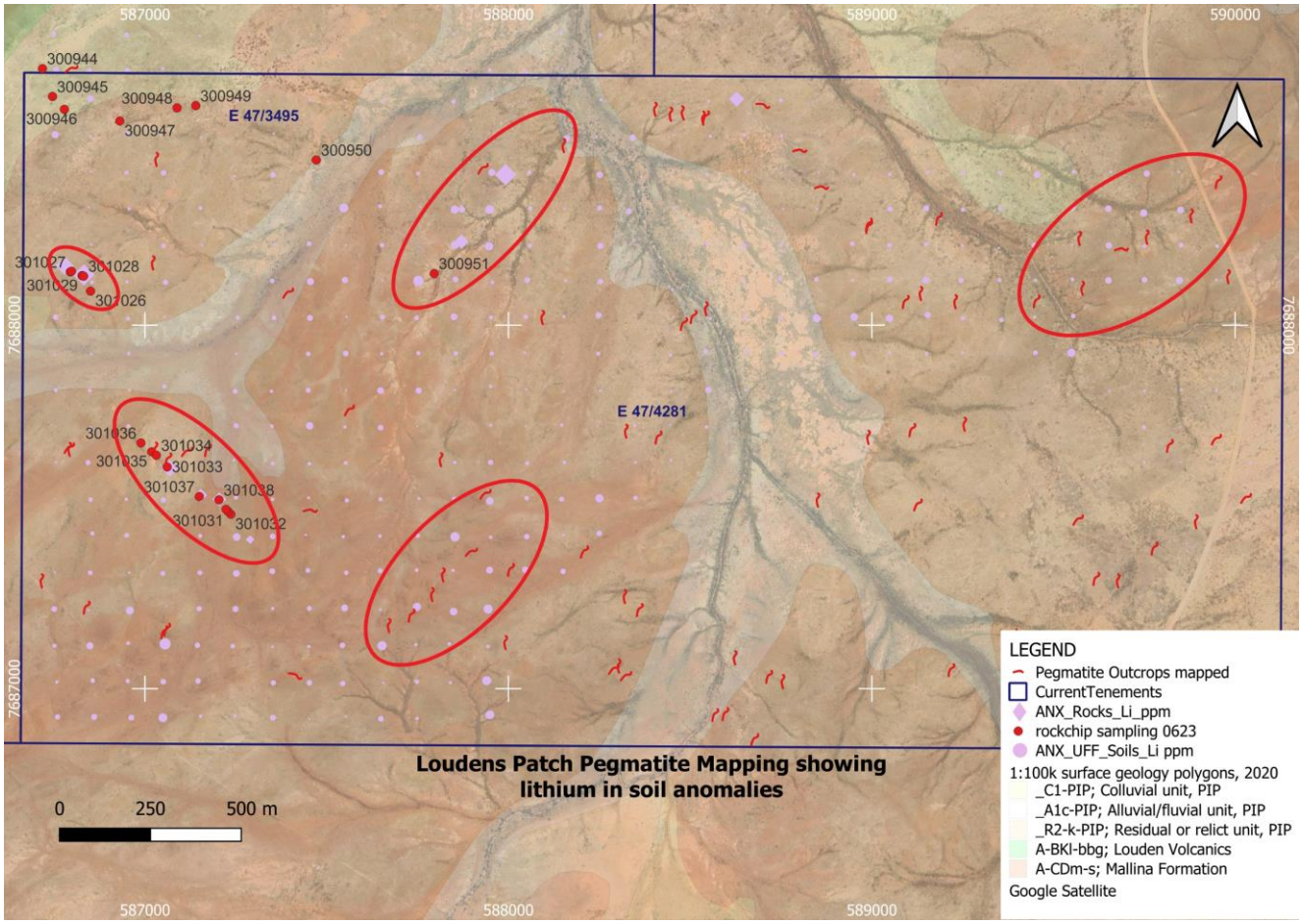


*Figure 5: Loudens Patch mapped pegmatites, Li soil anomalies, GSWA 1:100k Geology*

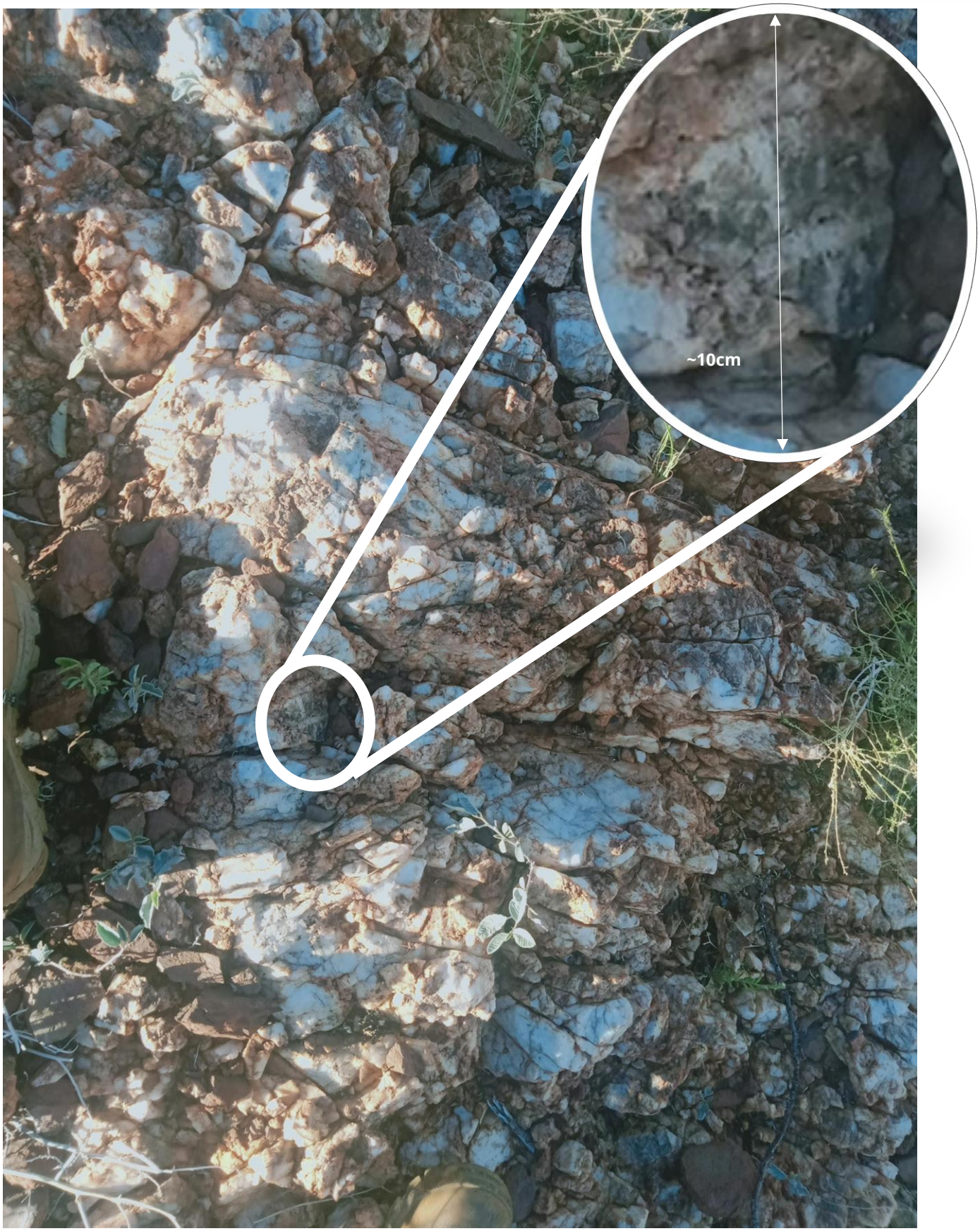


*Figure 6: Weathered pegmatite outcrop at Loudens Patch, with close up of mineral intergrowth*


*Figure7: Pegmatite sampling at Loudens Patch*

**Table 1: Illustrated Rock Chip Samples**

| Sample number | Prospect | Easting | Northing | Grid | Description |
|---|---|---|---|---|---|
| 301158 | Whim Maar | 586441 | 7698396 | MGA94 Zone 50 | 25-30% potential spodumene minerals with light green colour and striations. Visual estimate only. |
| 301188 | Whim Maar | 586570 | 7698546 | MGA94 Zone 50 | 5-10% potential spodumene minerals showing green colour, striations and perfect cleavage, though significantly weathered. Visual estimate only. |
| 301549 | Loudens Patch | 587030 | 7687641 | MGA94 Zone 50 | Large cream coloured striated spodumene crystals. 100% Spodumene – visual estimate only. |
| 301593 | Loudens Patch | 588474 | 7687987 | MGA94 Zone 50 | Pegmatite minerals eroded leaving striated, clay-filled vuggy textures. (0-1% spodumene – visual estimate only) |

Visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations.

## Next Steps

Soil sampling is ongoing at Whim Maar and the southeast corner of Loudens Patch to complete the geochemical picture. Where pegmatites are confirmed to be lithium fertile, further detailed mapping and possible trench sampling will precede drilling.

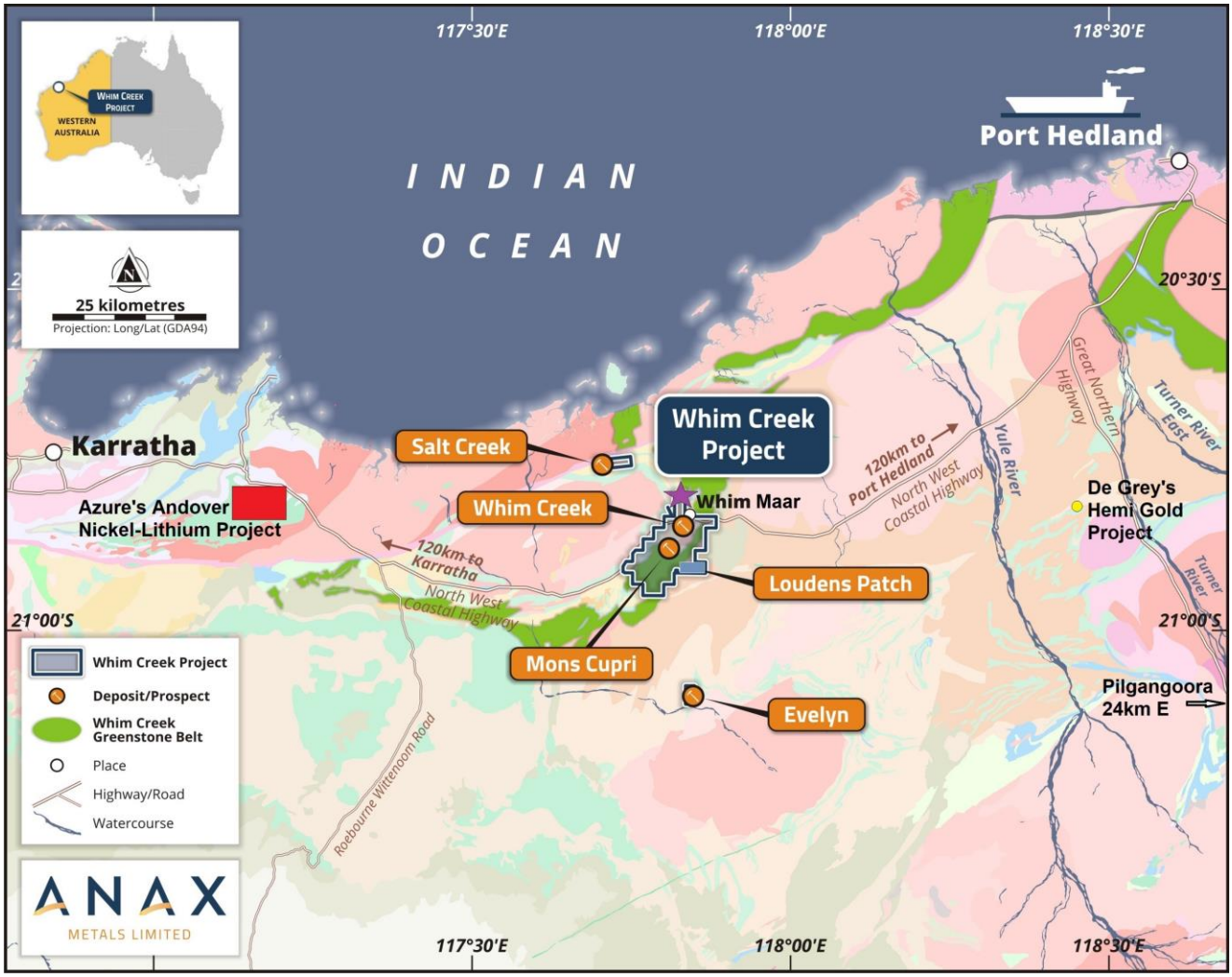


*Figure 8: GSWA Regional Pilbara Archean granite-greenstones. Whim Maar is to the north of Whim Creek while Loudens Patch is located adjacent and to the east of the Whim Creek Project*

This ASX announcement has been approved for release by the Board of the Company.

**ENDS**

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## *References*

The information provided in this announcement refers to the following Anax Announcements to the ASX:

1. Spodumene in pegmatites at Whim Creek, Gold at Loudens Patch, 4 July 2023

## Competent Person's Statement

*The information in this report that relates to Exploration Results is based on and fairly represents information compiled by Ms Wendy Beets. Ms Beets is a full-time employee and shareholder of Anax Metals Ltd and is a member of the Australian Institute of Geoscientists.*

*Ms Beets has sufficient experience of relevance to the style of mineralisation and 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. Ms Beets consents to the inclusion in this report of the matters based on information in the form and context in which they appear.*

## Forward Looking Statements

*This report contains certain forward-looking statements. These forward-looking statements are not historical facts but rather are based on Anax Metals Ltd's current expectations, estimates and projections about the industry in which Aurora Minerals Ltd operates, and beliefs and assumptions regarding Anax Metals Ltd's future performance. Words such as "anticipates", "expects", "intends", "plans", "believes", "seeks", "estimates", "potential" and similar expressions are intended to identify forward-looking statements. These statements are not guarantees of future performance and are subject to known and unknown risks, uncertainties and other factors, some of which are beyond the control of Anax Metals Ltd, are difficult to predict and could cause actual results to differ materially from those expressed or forecasted in the forward-looking statements. Anax Metals Ltd cautions shareholders and prospective shareholders not to place undue reliance on these forward-looking statements, which reflect the view of Anax Metals Ltd only as of the date of this report. The forward-looking statements made in this report relate only to events as of the date on which the statements are made. Anax Metals Ltd does not undertake any obligation to report publicly any revisions or updates to these forward-looking statements to reflect events, circumstances or unanticipated events occurring after the date of this report except as required by law or by any appropriate regulatory authority.*

## JORC 2012 TABLE 1

### *Section 1 Sampling Techniques and Data*

*(Criteria in this section apply to all succeeding sections.)*

| CRITERIA | JORC CODE EXPLANATION | COMMENTARY |
|---|---|---|
| **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.*<br>▲ *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*<br>▲ *Aspects of the determination of mineralisation that are Material to the Public Report.*<br>▲ *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.* | ▲ *The soil samples were collected in a grid pattern, spaced 100m apart.*<br>▲ *A handheld GPS was used to find the predefined soil sample location in the field, with an accuracy of ~3m.*<br>▲ *A handheld geological pick and small shovel were used to dig to a depth of 10cm to collect the soil layer below surface disturbance. Soil was sieved to pass 2mm and a sample of ~250g was placed in a paper envelope and labelled with the sample number corresponding with the sample ticket also placed inside the envelope. The sample number and location was recorded on the GPS.*<br>▲ *During the course of this work, outcrop rock type was periodically noted and rock chip sampled.*<br>▲ *Since July 2023, Mergin Maps app on a mobile phone was used to collect rock chip samples and record location, dip, strike and geological comments. The accuracy of a mobile phone GPS is ~10m, which is considered sufficiently accurate for surface sampling and exploration.* |
| **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.).* | ▲ *No drilling results were included in this announcement.* |
| **DRILL SAMPLE RECOVERY** | ▲ *Method of recording and assessing core and chip sample recoveries and results assessed.*<br>▲ *Measures taken to maximise sample recovery and ensure representative nature of the samples.*<br>▲ *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.* | ▲ *No drilling results were included in this announcement.* |
| **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.*<br>▲ *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.*<br>▲ *The total length and percentage of the relevant intersections logged.* | ▲ *No drilling results were included in this announcement.* |
| **SUB-SAMPLING TECHNIQUES** | ▲ *If core, whether cut or sawn and whether quarter, half or all core taken.*<br>▲ *If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.* | ▲ *No drilling was reported in this announcement.*<br>▲ *The soil sampling technique was conducted as per guidelines provided by LabWest for the collection of UltraFine+™ samples.* |

| CRITERIA | JORC CODE EXPLANATION | COMMENTARY |
|---|---|---|
| **AND SAMPLE PREPARATION** | ▲ *For all sample types, the nature, quality and appropriateness of the sample preparation technique.*<br>▲ *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*<br>▲ *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.*<br>▲ *Whether sample sizes are appropriate to the grain size of the material being sampled.* | ▲ *Soil samples were collected from a depth of 10cm to avoid possible surface contamination.*<br>▲ *Organic material was removed from the sample as much as possible.*<br>▲ *The recommended sample size for UltraFine+™ samples was 200g, providing sufficient clay material for analysis.*<br>▲ *Groundwater percolating upward through soil deposits mobile metals on the surfaces of clay minerals in soil. By its very nature, the UltraFine+™ analysis method does not represent in situ material.. Anomalous results as compared to background would suggest a proximal source and further geological investigation is required to confirm the source.*<br>▲ *Rock chip sampling is considered in situ, while float sampling is not.* |
| **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.*<br>▲ *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.*<br>▲ *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 UltraFine+™ analytical technique was recently developed by CSIRO in conjunction with LabWest, primarily with the intention of providing an exploration tool where geology was obscured beneath surface cover. Minute particles of metals transported in groundwater from depth accumulate on the surfaces of clay minerals in soils. In the UltraFine+™ process, clay particles are separated from the soil sample and analysed for a suite of metals.*<br>▲ *This robust method has been determined to be effective for gold, lithium and base metals exploration. LabWest is NATA accredited and applies suitable standards, blanks and duplicates to their analysis procedures.*<br>▲ *The handheld Garmin Map62 GPS used during soil sample collection is considered appropriate for locating surface samples, with an accuracy of ~3m.*<br>▲ *Mergin Maps app uses a mobile phone's GPS to locate samples with an accuracy of ~10m* |
| **VERIFICATION OF SAMPLING AND ASSAYING** | ▲ *The verification of significant intersections by either independent or alternative company personnel.*<br>▲ *The use of twinned holes.*<br>▲ *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.*<br>▲ *Discuss any adjustment to assay data.* | ▲ *Verification of soil anomalies by rock chip sampling has been completed for some soil geochemical targets and further work is currently underway.*<br>▲ *Analysis data is supplied by LabWest directly to Mitchell River Group for inclusion in the Anax surface geochemical database. The geologist collecting the soil samples compiled the GPS sample data into an Excel spreadsheet which was submitted to Anax for checking and forwarded to Mitchell River Group for incorporation into the database. Mergin Maps limits the errors prevalent in data entry by exporting sample data directly to QGIS software. An export from QGIS is sent to MRG to add to the Anax surface geochemistry database.* |
| **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.*<br>▲ *Specification of the grid system used.*<br>▲ *Quality and adequacy of topographic control.* | ▲ *No drilling or Mineral Resource estimation was referenced in this announcement.*<br>▲ *The grid system used for the location of the samples was, UTM GDA94, Zone 50.*<br>▲ *Topographic records from handheld GPS are not considered sufficiently accurate, having a variability of ~5m. Similarly, the mobile phone GPS has low accuracy for altitude. Nevertheless, RL readings were recorded wherever possible.* |
| **DATA SPACING AND DISTRIBUTION** | ▲ *Data spacing for reporting of Exploration Results.* | ▲ *The nominal spacing of soil samples was 100m, considered suitable for gold and lithium exploration in this geological environment.* |

| CRITERIA | JORC CODE EXPLANATION | COMMENTARY |
|---|---|---|
| | ▲ *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.*<br>▲ *Whether sample compositing has been applied.* | ▲ *Rock chip sampling has verified in situ mineralisation. However, mineral species are yet to be determined with further rock chip sampling, mapping and mineralogical analysis.*<br>▲ *No compositing of soil or rock chip samples has been done.* |
| **ORIENTATION OF DATA IN RELATION TO GEOLOGICAL STRUCTURE** | ▲ *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.*<br>▲ *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.* | ▲ *No drilling data was included in this announcement.*<br>▲ *At Loudens Patch tenement (E47/4281), soil samples were collected at 100m intervals along lines spaced 100m apart to form a grid. The dominant structural direction is NE-SW. Gridded samples are intended to limit the effect of structural bias.*<br>▲ *No soil sampling has yet been completed at the Whim Maar prospect where pegmatite outcrop was sampled.* |
| **SAMPLE SECURITY** | ▲ *The measures taken to ensure sample security.* | ▲ *Following collection, rock chip samples were carefully packed into bags, sealed, and securely transported to Karratha for shipping via CTI Logistics to LabWest in Perth for analysis. Following analysis, sample pulps are stored at Anax's dedicated sample storage facility.* |
| **AUDITS OR REVIEWS** | ▲ *The results of any audits or reviews of sampling techniques and data.* | ▲ *The UltraFine+™ method was chosen to generate a broad suite of elements. Gridded sampling was used to limit bias, where possible. Nevertheless, the method is not fool proof and consideration was given to the potential for contamination of soils as a result of surface disturbance. Apparent anomalies were verified by comparison with other indicator elements included in the analyte suite. Independent review and audit of the geochemical data was conducted as part of the CSIRO UltraFine+™ research programme.* |

## *Section 2 Reporting of Exploration Results*

*(Criteria listed in the preceding section also apply to this section.)*

| 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.*<br>▲ *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 tenements lie within the granted Ngarluma Native Title Claim.*<br>▲ *There are registered Aboriginal heritage sites, being ephemeral creeks at Whim Maar, as recorded on DPLH website. These sites were not sampled.* |
| **EXPLORATION DONE BY OTHER PARTIES** | ▲ *Acknowledgment and appraisal of exploration by other parties.* | ▲ *Loudens Patch was historically explored by De Grey Mining by means of soil sampling and the ground was subsequently dropped, enabling Anax to apply for the tenure.* |
| **GEOLOGY** | ▲ *Deposit type, geological setting and style of mineralisation.* | ▲ *Loudens Patch - The Archean-age Mallina Basin extends over large areas of the Pilbara and is a granite-greenstone terrane considered prospective for gold and lithium mineralisation.* |

| CRITERIA | JORC CODE EXPLANATION | COMMENTARY |
|---|---|---|
| **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.* | ▲ *No drill holes have been reported in this announcement* |
| **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.*<br>▲ *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.*<br>▲ *The assumptions used for any reporting of metal equivalent values should be clearly stated.* | ▲ *Gold-in-soil ranges were selected to highlight the most anomalous results relative to background (0.5ppb Au) to determine if these form a cohesive zone of anomalism. Lithium anomalism (>20ppm) was similarly determined.*<br>▲ *Whilst every care was taken to accurately present the geochemical results, soil sampling data should be considered indicative only. Rock chip sampling has verified in situ mineralisation. Laboratory analysis is required to determine the grade of the mineralisation and mineralogical observations are never a substitute for geochemistry.* |
| **RELATIONSHIP BETWEEN MINERALISATION WIDTHS AND INTERCEPT LENGTHS** | ▲ *These relationships are particularly important in the reporting of Exploration Results.*<br>▲ *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.*<br>▲ *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').* | ▲ *Mineralised widths are not discussed here, and no drilling results were included. The distribution of surface geochemical anomalism is considered to be indicative only and requires verification by means of rock chip sampling and/or drilling to verify in situ dimensions. Further rock chip sampling and mapping will be carried out to determine dimensions of pegmatite swarms at surface. Drilling may be required to confirm depth continuity.* |
| **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.* | ▲ *Figure 7 illustrates the soil sampling anomalies identified at Loudens Patch in relation to GSWA 1:100k mapping.* |
| **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.* | ▲ *All new rock sample results received to date are included in this report and illustrated in Figures 2 and 5. Further soil and rock chip sampling are ongoing and potentially drilling is proposed for 2024.* |
| **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.* | ▲ *GSWA regional geology was used in Figures 5 and 7 to illustrate the geology associated with the tenements. Loudens Patch tenement was mapped as containing only Mallina Fm metasediments, however, explorers have noted Constantine Fm conglomerates outcropping within fold axes.* |
| **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).*<br>▲ *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.* | ▲ *Further work will consist of infill geological mapping, extensions to the soil sampling areas and verification rock chip sampling. Drilling will follow after completion of heritage surveys.*<br>▲ *Figure 5 illustrates the extent of geochemical anomalism in soils to date. The soil sampling programmes are limited by the tenement boundaries. Geochemical anomalies may continue* |

| CRITERIA | JORC CODE EXPLANATION | COMMENTARY |
|---|---|---|
| | | *across tenement boundaries. Anax will continue to investigate the sources of the anomalism and potential extensions within the boundaries of its tenure.* |

## APPENDIX 1: Loudens Patch rock and soil geochemical data

| Sample ID | Sample Type | NAT Grid | Northing | Easting | RL | Prospect | Li2O % | Ag ppm | Al ppm | As ppm | Au ppb | Ba ppm | Be ppm | Bi ppm | Ca ppm | Cd ppm | Ce ppm | Co ppm | Cr ppm | Cs ppm | Cu ppm | Dy ppm | Er ppm | Eu ppm | Fe ppm | Ga ppm | Gd ppm | Ge ppm | Hf ppm | Hg ppm | Ho ppm | In ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **220544** | ROCK | MGA94_50 | 7688138 | 586832 | 67 | Loudens Patch | 0.030 | 0.05 | 53600 | 11.2 | 3.8 | 150 | 0.45 | 0.08 | 9280 | 0.1 | 48.0 | 77.7 | 873 | 0.5 | 83.4 | 2.38 | 1.48 | 1.10 | 82200 | 16.50 | 2.87 | 2.43 | 2.56 | BDL | 0.49 | 0.04 |
| **220545** | ROCK | MGA94_50 | 7688147 | 586794 | 60 | Loudens Patch | 0.020 | 0.03 | 42000 | 2.1 | 6.5 | 93 | 0.49 | 0.03 | 31000 | 0.2 | 22.6 | 95.6 | 665 | 0.4 | 116.2 | 2.35 | 1.21 | 0.99 | 85800 | 14.60 | 2.98 | 2.06 | 1.57 | BDL | 0.44 | 0.04 |
| **220546** | ROCK | MGA94_50 | 7688521 | 587547 | 60 | Loudens Patch | 0.002 | BDL | 13800 | 2.1 | 9.5 | 104 | 0.36 | 0.02 | 204000 | BDL | 4.1 | 6.9 | 44 | 0.6 | 15.3 | 0.40 | 0.26 | 0.17 | 7860 | 2.53 | 0.51 | 0.20 | 0.44 | BDL | 0.08 | 0.01 |
| **220547** | ROCK | MGA94_50 | 7688144 | 587800 | 57 | Loudens Patch | 0.005 | 0.04 | 20700 | 2.8 | 8.8 | 93 | 0.28 | 0.05 | 201000 | BDL | 10.2 | 12.2 | 80 | 0.9 | 24.8 | 0.74 | 0.45 | 0.31 | 15700 | 4.84 | 0.94 | 0.44 | 0.81 | BDL | 0.15 | 0.02 |
| **300945** | FLOAT | MGA94_50 | 7688629 | 586745 | 74 | Loudens Patch | 0.003 | 0.01 | 2360 | 2.0 | 2.1 | 76 | 0.08 | BDL | 66300 | BDL | 0.7 | 2.0 | 14 | 0.2 | 2.5 | 0.36 | 0.18 | 0.19 | 28500 | 0.53 | 0.37 | 3.23 | 0.03 | BDL | 0.06 | BDL |
| **300946** | ROCK | MGA94_50 | 7688594 | 586778 | 76 | Loudens Patch | 0.001 | BDL | 4960 | 4.7 | 3.0 | 92 | 0.10 | 0.02 | 197000 | BDL | 2.9 | 4.6 | 19 | 0.5 | 7.0 | 0.50 | 0.28 | 0.25 | 19300 | 1.18 | 0.56 | 0.71 | 0.20 | BDL | 0.09 | BDL |
| **300947** | ROCK | MGA94_50 | 7688562 | 586930 | 78 | Loudens Patch | 0.001 | BDL | 10500 | 6.3 | 5.3 | 120 | 0.16 | 0.03 | 215000 | 0.1 | 4.6 | 8.6 | 43 | 1.1 | 12.6 | 0.37 | 0.23 | 0.17 | 9360 | 2.24 | 0.44 | 0.22 | 0.39 | BDL | 0.08 | BDL |
| **300948** | ROCK | MGA94_50 | 7688598 | 587088 | 71 | Loudens Patch | 0.001 | 0.01 | 3960 | 3.2 | 9.3 | 58 | 0.08 | BDL | 76300 | BDL | 27.2 | 2.3 | 11 | 0.4 | 1.7 | 2.11 | 0.83 | 1.92 | 31100 | 1.37 | 2.85 | 1.70 | 0.05 | BDL | 0.35 | 0.04 |
| **300949** | ROCK | MGA94_50 | 7688604 | 587139 | 60 | Loudens Patch | 0.001 | 0.02 | 4860 | 28.3 | 48.8 | 58 | 0.13 | 0.01 | 91200 | 0.1 | 18.9 | 3.0 | 13 | 0.4 | 3.0 | 2.71 | 1.03 | 2.16 | 32600 | 1.41 | 3.41 | 1.36 | 0.06 | BDL | 0.39 | 0.09 |
| **300950** | FLOAT | MGA94_50 | 7688454 | 587471 | 61 | Loudens Patch | 0.006 | 0.01 | 20700 | 1.2 | 2.8 | 60 | 0.15 | 0.03 | 796 | BDL | 8.2 | 6.4 | 71 | 0.4 | 12.0 | 0.44 | 0.27 | 0.21 | 20600 | 4.45 | 0.55 | 2.73 | 0.58 | BDL | 0.08 | 0.01 |
| **300951** | ROCK | MGA94_50 | 7688142 | 587796 | 58 | Loudens Patch | 0.002 | 0.02 | 5070 | 2.3 | 1.8 | 124 | 0.09 | 0.02 | 48300 | 0.1 | 7.5 | 49.6 | 20 | 0.4 | 52.9 | 0.45 | 0.22 | 0.51 | 9010 | 1.58 | 0.91 | 1.15 | 0.19 | BDL | 0.08 | 0.01 |
| **301025** | ROCK | MGA94_50 | 7688148 | 586797 | 80 | Loudens Patch | 0.006 | 0.13 | 21900 | 7.6 | 3.0 | 103 | 0.30 | 0.01 | 64500 | 1.2 | 19.4 | 55.3 | 450 | 0.3 | 60.3 | 1.88 | 0.94 | 0.84 | 62700 | 6.78 | 2.42 | 1.64 | 1.03 | BDL | 0.34 | 0.02 |
| **301026** | ROCK | MGA94_50 | 7688094 | 586850 | 67 | Loudens Patch | 0.015 | 0.06 | 24600 | 13.3 | 2.1 | 106 | 0.22 | 0.02 | 32300 | 0.1 | 13.7 | 87.5 | 425 | 0.3 | 92.2 | 1.95 | 0.90 | 0.65 | 67200 | 8.25 | 2.20 | 1.86 | 1.11 | BDL | 0.34 | 0.04 |
| **301027** | ROCK | MGA94_50 | 7688147 | 586794 | 60 | Loudens Patch | 0.010 | 0.11 | 17900 | 3.7 | 1.8 | 57 | 0.38 | BDL | 60100 | 0.2 | 10.5 | 40.3 | 264 | 0.1 | 56.0 | 1.80 | 0.89 | 0.69 | 93800 | 7.15 | 2.10 | 1.05 | 0.77 | 0.05 | 0.34 | 0.03 |
| **301028** | ROCK | MGA94_50 | 7688135 | 586831 | 66 | Loudens Patch | 0.035 | 0.08 | 62800 | 19.1 | 2.5 | 175 | 0.32 | 0.05 | 7920 | 0.1 | 12.7 | 83.3 | 870 | 0.3 | 88.8 | 2.24 | 1.44 | 0.52 | 101000 | 19.50 | 2.05 | 2.02 | 3.09 | BDL | 0.48 | 0.07 |
| **301029** | ROCK | MGA94_50 | 7688136 | 586826 | 77 | Loudens Patch | 0.029 | 0.06 | 47900 | 32.5 | 1.1 | 99 | 0.28 | 0.04 | 1640 | 0.1 | 25.3 | 96.1 | 1150 | 0.4 | 103.8 | 2.68 | 1.45 | 0.96 | 75800 | 16.20 | 2.95 | 2.07 | 2.59 | BDL | 0.52 | 0.06 |
| **301030** | ROCK | MGA94_50 | 7687493 | 587222 | 65 | Loudens Patch | 0.010 | 0.06 | 27700 | 11.4 | 1.2 | 85 | 0.50 | 0.01 | 77300 | 0.5 | 23.5 | 94.4 | 494 | 0.3 | 92.9 | 2.73 | 1.27 | 1.14 | 53000 | 9.08 | 3.25 | 2.41 | 1.64 | BDL | 0.48 | 0.04 |
| **301031** | ROCK | MGA94_50 | 7687488 | 587228 | 68 | Loudens Patch | 0.019 | 0.09 | 46900 | 12.4 | 1.9 | 108 | 0.41 | 0.04 | 30700 | BDL | 31.0 | 102.0 | 927 | 0.5 | 90.9 | 2.54 | 1.44 | 1.03 | 63800 | 15.10 | 3.02 | 2.72 | 2.32 | BDL | 0.49 | 0.04 |
| **301032** | ROCK | MGA94_50 | 7687480 | 587236 | 69 | Loudens Patch | 0.023 | 0.05 | 51600 | 5.0 | 20.1 | 48 | 0.32 | 0.03 | 85200 | BDL | 25.4 | 61.5 | 1150 | 0.3 | 61.7 | 2.58 | 1.26 | 1.07 | 53700 | 18.10 | 3.32 | 1.56 | 2.60 | BDL | 0.47 | 0.09 |
| **301033** | ROCK | MGA94_50 | 7687610 | 587061 | 63 | Loudens Patch | 0.019 | 0.11 | 49100 | 51.3 | 2.5 | 154 | 0.64 | 0.02 | 17100 | 0.2 | 26.7 | 116.0 | 1210 | 0.3 | 102.4 | 4.66 | 2.58 | 1.45 | 156000 | 15.70 | 4.76 | 2.32 | 3.03 | BDL | 0.94 | 0.08 |
| **301034** | ROCK | MGA94_50 | 7687642 | 587031 | 62 | Loudens Patch | 0.004 | 0.13 | 9530 | 2.9 | 1.0 | 87 | 0.19 | 0.01 | 626 | 0.1 | 4.8 | 5.7 | 114 | 0.2 | 8.3 | 0.29 | 0.14 | 0.12 | 11300 | 2.78 | 0.29 | 0.81 | 0.48 | BDL | 0.05 | 0.01 |
| **301035** | ROCK | MGA94_50 | 7687652 | 587018 | 64 | Loudens Patch | 0.007 | 0.06 | 21300 | 13.6 | 1.0 | 97 | 0.28 | 0.02 | 35200 | 0.2 | 18.0 | 58.1 | 268 | 0.8 | 72.6 | 1.32 | 0.67 | 0.58 | 35000 | 6.42 | 1.75 | 4.23 | 1.09 | BDL | 0.27 | 0.03 |
| **301036** | ROCK | MGA94_50 | 7687676 | 586989 | 68 | Loudens Patch | 0.012 | 0.13 | 24800 | 22.8 | 0.9 | 46 | 0.33 | 0.02 | 9350 | 0.4 | 12.8 | 78.2 | 494 | 0.2 | 120.9 | 1.49 | 0.83 | 0.56 | 110000 | 9.01 | 1.68 | 1.18 | 1.15 | BDL | 0.30 | 0.05 |
| **301037** | ROCK | MGA94_50 | 7687529 | 587149 | 65 | Loudens Patch | 0.009 | 0.07 | 26900 | 7.0 | 2.3 | 91 | 0.29 | 0.03 | 50800 | 0.1 | 17.6 | 51.4 | 300 | 0.4 | 46.5 | 1.23 | 0.72 | 0.66 | 57700 | 7.82 | 1.51 | 1.64 | 0.99 | BDL | 0.26 | 0.03 |
| **301038** | ROCK | MGA94_50 | 7687519 | 587203 | 63 | Loudens Patch | 0.008 | 0.04 | 20000 | 2.3 | 1.3 | 102 | 0.12 | BDL | 3290 | 0.1 | 7.3 | 31.3 | 356 | 0.3 | 52.0 | 0.96 | 0.48 | 0.32 | 27700 | 6.06 | 1.14 | 3.16 | 0.98 | BDL | 0.17 | 0.02 |
| **300944** | FLOAT | MGA94_50 | 7688706 | 586718 | 67 | Rushalls | 0.002 | BDL | 3520 | BDL | 3.1 | 19 | 0.07 | BDL | 58400 | BDL | 0.6 | 2.7 | 31 | 0.3 | 2.1 | 0.41 | 0.21 | 0.24 | 20900 | 0.76 | 0.35 | 2.85 | 0.06 | BDL | 0.07 | BDL |
| **220550** | FLOAT | MGA94_50 | 7698651 | 586445 | 34 | Whim Maar | 0.008 | 0.01 | 26200 | 3.9 | 4.0 | 70 | 0.12 | 0.05 | 1400 | BDL | 7.7 | 15.0 | 52 | 0.2 | 30.4 | 0.45 | 0.26 | 0.16 | 44000 | 6.85 | 0.51 | 1.42 | 0.49 | BDL | 0.09 | 0.02 |
| **300952** | ROCK | MGA94_50 | 7698480 | 586109 | 42 | Whim Maar | 0.002 | BDL | 9590 | BDL | 1.4 | 31 | 0.08 | BDL | 299 | BDL | 10.7 | 4.6 | 25 | 0.3 | 6.2 | 0.27 | 0.11 | 0.12 | 16900 | 2.55 | 0.54 | 1.23 | 0.15 | BDL | 0.04 | BDL |
| **300953** | ROCK | MGA94_50 | 7698395 | 586088 | 42 | Whim Maar | 0.001 | 0.03 | 2710 | 0.9 | 1.4 | 8 | 0.08 | 0.02 | 230 | BDL | 1.5 | 3.1 | 11 | 0.3 | 137.7 | 0.06 | BDL | 0.03 | 11200 | 0.88 | 0.10 | 1.08 | 0.06 | BDL | BDL | 0.08 |
| **300954** | ROCK | MGA94_50 | 7698375 | 586076 | 39 | Whim Maar | 0.002 | BDL | 7760 | 1.3 | 1.1 | 18 | 0.09 | 0.01 | 416 | BDL | 2.5 | 3.9 | 19 | 0.3 | 11.1 | 0.15 | 0.07 | 0.08 | 15300 | 2.21 | 0.29 | 1.13 | 0.13 | BDL | 0.03 | BDL |
| **300955** | FLOAT | MGA94_50 | 7698390 | 586084 | 40 | Whim Maar | 0.003 | 0.04 | 7170 | 3.5 | 1.5 | 21 | BDL | 0.06 | 211 | BDL | 0.6 | 5.2 | 9 | 0.2 | 50.6 | 0.09 | 0.04 | 0.02 | 16700 | 1.91 | 0.12 | 1.47 | 0.02 | BDL | BDL | 0.11 |
| **300956** | FLOAT | MGA94_50 | 7698525 | 586099 | 30 | Whim Maar | BDL | 0.02 | 1150 | 4.5 | 1.4 | 6 | BDL | 0.08 | 107 | BDL | 0.9 | 3.0 | 11 | 0.3 | 26.3 | 0.07 | 0.04 | BDL | 11300 | 0.44 | 0.07 | 1.15 | 0.09 | BDL | BDL | 0.02 |
| **300959** | ROCK | MGA94_50 | 7697572 | 585541 | 41 | Whim Maar | 0.001 | 0.06 | 65600 | 2.3 | 6.0 | 405 | 0.68 | 0.09 | 59800 | 0.1 | 40.1 | 23.2 | 23 | 0.4 | 44.1 | 3.85 | 2.38 | 1.02 | 54100 | 18.80 | 3.78 | 1.88 | 3.96 | BDL | 0.82 | 0.06 |

| Sample ID | Sample Type | NAT Grid | Northing | Easting | RL | Prospect | Li2O % | Ag ppm | Al ppm | As ppm | Au ppb | Ba ppm | Be ppm | Bi ppm | Ca ppm | Cd ppm | Ce ppm | Co ppm | Cr ppm | Cs ppm | Cu ppm | Dy ppm | Er ppm | Eu ppm | Fe ppm | Ga ppm | Gd ppm | Ge ppm | Hf ppm | Hg ppm | Ho ppm | In ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **300960** | ROCK | MGA94_50 | 7697519 | 585541 | 39 | Whim Maar | 0.001 | BDL | 60200 | 0.7 | 1.7 | 59 | 0.89 | 0.06 | 8310 | BDL | 22.8 | 2.8 | 7 | 0.3 | 2.4 | 2.40 | 1.82 | 1.08 | 12800 | 11.20 | 2.20 | 0.68 | 7.26 | BDL | 0.54 | 0.03 |
| **300961** | ROCK | MGA94_50 | 7697517 | 585540 | 39 | Whim Maar | 0.000 | BDL | 89200 | 1.0 | 1.6 | 117 | 0.33 | 0.04 | 113000 | BDL | 18.3 | 6.1 | 18 | 0.3 | 3.3 | 3.20 | 2.10 | 1.41 | 64800 | 36.90 | 2.89 | 4.26 | 1.87 | BDL | 0.70 | 0.14 |
| **300962** | ROCK | MGA94_50 | 7697521 | 585534 | 43 | Whim Maar | 0.002 | 0.02 | 74500 | 0.6 | 21.6 | 80 | 0.80 | 0.02 | 64000 | 0.1 | 20.9 | 41.7 | 33 | 0.4 | 57.4 | 2.71 | 1.77 | 0.68 | 69600 | 16.60 | 2.54 | 1.56 | 2.03 | BDL | 0.57 | 0.05 |
| **300963** | ROCK | MGA94_50 | 7697000 | 585927 | 54 | Whim Maar | 0.004 | 0.02 | 59900 | 1.2 | 1.9 | 512 | 2.27 | 0.02 | 451 | BDL | 113.0 | 3.0 | 6 | 0.7 | 4.1 | 7.15 | 5.21 | 1.85 | 42800 | 21.40 | 7.92 | 0.75 | 9.86 | BDL | 1.58 | 0.08 |
| **301024** | ROCK | MGA94_50 | 769517 | 585937 | 51 | Whim Maar | 0.002 | 0.73 | 5300 | 12.8 | 2.2 | 34 | 0.09 | 1.40 | 323 | 0.1 | 6.2 | 2.5 | 12 | 0.2 | 54.5 | 0.24 | 0.11 | 0.16 | 15800 | 1.77 | 0.42 | 2.31 | 0.08 | 0.09 | 0.04 | 0.18 |

## APPENDIX 1: Cont.

| SampleID | K ppm | La ppm | Li ppm | Lu ppm | Mg ppm | Mn ppm | Mo ppm | Na ppm | Nb ppm | Nd ppm | Ni ppm | P ppm | Pb ppm | Pr ppm | Pt ppb | Rb ppm | Re ppm | S ppm | Sb ppm | Sc ppm | Se ppm | Sm ppm | Sn ppm | Sr ppm | Ta ppm | Tb ppm | Th ppm | Ti ppm | Tl ppm | Tm ppm | U ppm | V ppm | W ppm | Y ppm | Yb ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **220544** | 1860 | 23.1 | 140.0 | 0.21 | 32800 | 541 | 0.6 | 2700 | 10.0 | 23.1 | 1220 | 439 | 4.1 | 6.04 | BDL | 6.3 | 0 | 257 | 2.7 | 19 | 0.97 | 4.41 | 0.5 | 77.9 | 0.27 | 0.40 | 2.48 | 6170 | 0.11 | 0.22 | 0.88 | 213 | 0.4 | 10.70 | 1.36 | 194.0 | 96 |
| **220545** | 135 | 10.1 | 92.5 | 0.16 | 64600 | 1510 | 0.7 | 19 | 3.0 | 12.7 | 1000 | 962 | 3.6 | 3.04 | BDL | 1.1 | 0 | 680 | 0.4 | 27 | 0.94 | 3.14 | 0.4 | 168.0 | 0.29 | 0.44 | 1.54 | 4180 | 0.03 | 0.16 | 0.37 | 187 | 0.2 | 10.10 | 1.06 | 82.6 | 63 |
| **220546** | 1950 | 2.3 | 11.2 | 0.05 | 105000 | 186 | 0.2 | 1530 | 0.5 | 2.3 | 21 | 37 | 1.8 | 0.60 | BDL | 7.3 | 0 | 326 | 0.3 | 5 | BDL | 0.51 | BDL | 732.0 | 0.22 | 0.07 | 0.79 | 447 | 0.05 | 0.04 | 0.53 | 24 | BDL | 2.28 | 0.27 | 11.3 | 15 |
| **220547** | 2750 | 5.1 | 23.4 | 0.08 | 81300 | 166 | 0.1 | 888 | 1.7 | 5.4 | 54 | 67 | 3.2 | 1.38 | BDL | 13.3 | 0 | 339 | 0.4 | 8 | 0.47 | 1.17 | 0.2 | 644.0 | 0.23 | 0.13 | 1.23 | 889 | 0.09 | 0.07 | 0.65 | 44 | 0.2 | 3.99 | 0.48 | 28.0 | 28 |
| **300945** | 181 | 0.3 | 14.5 | BDL | 38200 | 782 | 1.3 | 504 | BDL | 0.4 | 24 | 108 | 2.9 | 0.09 | BDL | 0.9 | 0 | 236 | 1.9 | 4 | 0.07 | 0.19 | BDL | 294.0 | 0.08 | 0.07 | 0.06 | 28 | BDL | 0.02 | 2.04 | 19 | BDL | 1.94 | 0.13 | 22.6 | 2 |
| **300946** | 676 | 1.9 | 6.2 | 0.03 | 57500 | 388 | 0.4 | 664 | BDL | 1.7 | 20 | 52 | 2.7 | 0.43 | BDL | 3.1 | 0 | 343 | 0.7 | 3 | 0.36 | 0.42 | BDL | 360.0 | 0.24 | 0.09 | 0.49 | 154 | 0.03 | 0.04 | 0.57 | 24 | BDL | 2.86 | 0.23 | 9.9 | 7 |
| **300947** | 1420 | 2.2 | 4.3 | 0.04 | 97000 | 190 | 0.2 | 1660 | BDL | 2.3 | 40 | 36 | 1.8 | 0.59 | BDL | 7.3 | 0 | 544 | 0.8 | 6 | 0.50 | 0.52 | BDL | 392.0 | 0.47 | 0.06 | 0.60 | 279 | 0.06 | 0.03 | 0.59 | 25 | BDL | 2.24 | 0.26 | 18.0 | 14 |
| **300948** | 946 | 12.0 | 2.7 | 0.09 | 36700 | 2320 | 0.7 | 494 | BDL | 14.6 | 18 | 63 | 3.9 | 3.58 | BDL | 4.1 | BDL | 259 | 0.6 | 10 | 0.48 | 3.58 | BDL | 304.0 | 0.12 | 0.42 | 0.26 | 20 | 0.03 | 0.10 | 0.44 | 11 | 0.2 | 9.53 | 0.63 | 25.0 | 2 |
| **300949** | 1030 | 7.6 | 3.2 | 0.12 | 47800 | 2920 | 0.9 | 752 | BDL | 12.8 | 24 | 173 | 5.0 | 2.84 | BDL | 4.5 | BDL | 422 | 0.4 | 20 | 1.51 | 4.19 | BDL | 259.0 | 0.13 | 0.47 | 0.14 | 29 | 0.04 | 0.15 | 0.55 | 16 | BDL | 10.50 | 0.89 | 29.9 | 2 |
| **300950** | 1280 | 3.9 | 26.2 | 0.05 | 5570 | 214 | 0.5 | 5880 | 0.9 | 3.5 | 41 | 228 | 3.1 | 0.94 | BDL | 5.7 | BDL | BDL | 0.4 | 3 | 0.41 | 0.67 | 0.3 | 33.5 | 0.07 | 0.08 | 0.83 | 628 | 0.03 | 0.04 | 0.25 | 30 | 0.1 | 2.08 | 0.31 | 31.4 | 22 |
| **300951** | 773 | 2.5 | 7.7 | 0.03 | 23500 | 2880 | 2.1 | 338 | BDL | 4.5 | 31 | 98 | 2.5 | 1.00 | 8 | 3.5 | BDL | 192 | 0.5 | 3 | 0.12 | 1.08 | BDL | 161.0 | 0.06 | 0.10 | 0.30 | 162 | 0.53 | 0.03 | 0.39 | 11 | BDL | 2.07 | 0.18 | 8.2 | 6 |
| **301025** | 683 | 8.9 | 28.7 | 0.09 | 53100 | 3040 | 0.9 | 1360 | 1.5 | 11.3 | 642 | 3460 | 3.9 | 2.59 | 13 | 2.1 | 0 | 415 | 3.9 | 18 | 0.88 | 2.61 | 0.3 | 134.0 | 0.08 | 0.34 | 0.80 | 2720 | 0.05 | 0.12 | 0.68 | 98 | BDL | 9.74 | 0.72 | 40.8 | 38 |
| **301026** | 744 | 5.5 | 70.6 | 0.10 | 24700 | 1680 | 1.2 | 822 | 2.1 | 8.0 | 563 | 179 | 7.6 | 1.82 | 18 | 2.7 | 0 | 349 | 1.6 | 10 | 1.38 | 2.14 | 0.4 | 106.0 | 0.11 | 0.34 | 1.08 | 3300 | 0.09 | 0.13 | 0.73 | 115 | 0.1 | 8.40 | 0.69 | 114.0 | 45 |
| **301027** | 267 | 4.5 | 47.6 | 0.09 | 52300 | 2500 | 1.1 | 304 | 1.0 | 6.5 | 530 | 1330 | 4.2 | 1.42 | 11 | 0.6 | 0 | 614 | 0.3 | 14 | 1.31 | 1.85 | 0.2 | 73.1 | 0.06 | 0.32 | 0.59 | 1930 | BDL | 0.12 | 1.07 | 86 | BDL | 10.00 | 0.65 | 78.0 | 29 |
| **301028** | 2410 | 5.7 | 161.0 | 0.19 | 37800 | 546 | 1.1 | 3420 | 4.4 | 6.8 | 1280 | 388 | 3.8 | 1.63 | 6 | 9.7 | 0 | 398 | 2.0 | 26 | 0.36 | 1.78 | 0.5 | 80.8 | 0.23 | 0.36 | 2.35 | 6790 | 0.10 | 0.22 | 1.11 | 248 | 0.2 | 12.80 | 1.35 | 182.0 | 110 |
| **301029** | 1180 | 10.7 | 135.0 | 0.17 | 30800 | 716 | 0.9 | 1740 | 2.8 | 13.8 | 1160 | 493 | 7.8 | 3.15 | 22 | 5.2 | 0 | 222 | 1.9 | 21 | 1.04 | 3.18 | 0.6 | 46.3 | 0.15 | 0.44 | 1.80 | 4620 | 0.05 | 0.20 | 0.65 | 211 | 0.2 | 13.40 | 1.26 | 149.0 | 86 |
| **301030** | 1300 | 10.9 | 44.9 | 0.14 | 47700 | 1760 | 1.2 | 2130 | 1.9 | 14.0 | 616 | 295 | 4.2 | 3.19 | 18 | 4.3 | BDL | 210 | 2.9 | 44 | 0.24 | 3.49 | 0.2 | 185.0 | 0.13 | 0.48 | 1.02 | 3230 | 0.09 | 0.17 | 0.54 | 113 | 0.1 | 12.80 | 0.94 | 196.0 | 67 |
| **301031** | 1880 | 13.5 | 85.8 | 0.17 | 25400 | 1250 | 1.1 | 3160 | 3.5 | 17.1 | 945 | 342 | 4.2 | 4.07 | 11 | 7.3 | 0 | 78 | 4.2 | 27 | 0.99 | 3.97 | 0.5 | 77.2 | 0.19 | 0.43 | 1.87 | 5650 | 0.08 | 0.20 | 0.60 | 184 | 0.2 | 13.50 | 1.18 | 114.0 | 91 |
| **301032** | 1190 | 10.4 | 104.0 | 0.14 | 66800 | 199 | 0.2 | 2250 | 2.8 | 14.4 | 1210 | 73 | 2.2 | 3.34 | 6 | 4.7 | 0 | 218 | 1.8 | 15 | 1.23 | 3.56 | 0.7 | 217.0 | 0.21 | 0.48 | 1.94 | 4970 | 0.03 | 0.18 | 0.59 | 216 | 0.2 | 12.00 | 1.04 | 94.9 | 91 |
| **301033** | 2010 | 12.0 | 86.1 | 0.31 | 26400 | 1280 | 3.1 | 4260 | 3.7 | 15.6 | 1160 | 1470 | 6.8 | 3.47 | 17 | 7.7 | 0 | 775 | 30.2 | 74 | 1.68 | 4.21 | 0.6 | 99.9 | 0.20 | 0.78 | 1.85 | 5980 | 0.14 | 0.36 | 0.91 | 220 | 0.2 | 27.60 | 2.10 | 226.0 | 136 |
| **301034** | 954 | 1.8 | 16.6 | 0.02 | 1380 | 719 | 0.8 | 1020 | 0.7 | 1.6 | 68 | 146 | 1.9 | 0.40 | BDL | 4.3 | 0 | BDL | 24.0 | 3 | 0.33 | 0.31 | 0.3 | 26.3 | 0.02 | 0.05 | 0.54 | 682 | 0.04 | 0.02 | 0.15 | 23 | BDL | 1.72 | 0.16 | 10.1 | 16 |
| **301035** | 1360 | 7.8 | 31.1 | 0.08 | 24000 | 948 | 0.8 | 2190 | 1.7 | 10.4 | 424 | 274 | 5.2 | 2.43 | 10 | 5.8 | 0 | 63 | 8.5 | 10 | 0.70 | 2.28 | 0.3 | 119.0 | 0.08 | 0.25 | 0.97 | 2260 | 0.07 | 0.10 | 0.42 | 75 | 0.1 | 7.01 | 0.59 | 98.0 | 42 |
| **301036** | 684 | 5.7 | 54.2 | 0.10 | 17600 | 720 | 1.9 | 1230 | 1.4 | 7.4 | 660 | 480 | 2.7 | 1.72 | 12 | 2.2 | 0 | 494 | 3.0 | 19 | 0.78 | 1.85 | 0.4 | 43.1 | 0.08 | 0.26 | 0.74 | 2430 | 0.02 | 0.11 | 0.68 | 131 | 0.1 | 7.70 | 0.66 | 111.0 | 44 |
| **301037** | 1760 | 8.5 | 40.6 | 0.10 | 24500 | 1210 | 1.1 | 2870 | 1.5 | 9.9 | 348 | 155 | 3.5 | 2.24 | 11 | 4.9 | 0 | 206 | 2.1 | 9 | 0.79 | 2.04 | BDL | 206.0 | 0.08 | 0.22 | 0.87 | 2350 | 0.05 | 0.11 | 0.55 | 113 | 0.2 | 5.60 | 0.65 | 44.1 | 42 |
| **301038** | 719 | 3.2 | 38.5 | 0.05 | 12300 | 352 | 0.5 | 1060 | 1.6 | 4.2 | 401 | 312 | 1.6 | 0.97 | 8 | 3.0 | 0 | 113 | 3.8 | 8 | 0.25 | 1.05 | 0.3 | 20.8 | 0.06 | 0.16 | 0.68 | 2410 | BDL | 0.07 | 0.17 | 89 | BDL | 4.90 | 0.39 | 43.7 | 34 |
| **300944** | 231 | 0.3 | 6.9 | 0.02 | 33800 | 524 | 0.5 | 691 | BDL | 0.3 | 31 | 72 | 3.1 | 0.08 | BDL | 0.8 | BDL | 249 | 0.4 | 5 | 0.26 | 0.16 | BDL | 204.0 | 0.12 | 0.06 | 0.05 | 24 | BDL | 0.03 | 0.28 | 58 | BDL | 1.81 | 0.15 | 22.6 | 3 |
| **220550** | 1660 | 3.9 | 35.3 | 0.03 | 11500 | 523 | 0.6 | 480 | BDL | 3.1 | 74 | 335 | 3.7 | 0.89 | BDL | 8.6 | 0 | 123 | 1.9 | 3 | 0.21 | 0.58 | BDL | 12.3 | 0.13 | 0.07 | 1.39 | 118 | 0.06 | 0.04 | 0.36 | 36 | BDL | 2.89 | 0.29 | 108.0 | 14 |
| **300952** | 1550 | 5.4 | 6.9 | BDL | 2940 | 175 | 0.4 | 352 | BDL | 4.4 | 24 | 207 | 1.6 | 1.20 | BDL | 5.6 | 0 | 83 | 0.8 | 1 | 0.12 | 0.79 | BDL | 5.1 | 0.02 | 0.06 | 0.58 | 78 | 0.06 | 0.02 | 0.15 | 12 | BDL | 0.76 | 0.11 | 21.0 | 7 |
| **300953** | 252 | 0.7 | 3.8 | BDL | 1290 | 103 | 0.7 | 173 | BDL | 0.8 | 17 | 139 | 2.2 | 0.19 | BDL | 0.8 | 0 | 196 | 0.3 | BDL | 0.66 | 0.14 | BDL | 4.0 | 0.03 | BDL | 0.15 | 29 | 0.03 | BDL | 0.12 | 4 | BDL | 0.28 | 0.03 | 64.5 | 2 |
| **300954** | 847 | 1.1 | 9.0 | BDL | 3100 | 144 | 0.6 | 410 | BDL | 1.6 | 22 | 186 | 1.9 | 0.34 | BDL | 3.3 | 0 | 156 | 0.5 | 1 | 0.39 | 0.47 | BDL | 5.2 | 0.08 | 0.03 | 0.33 | 60 | 0.03 | BDL | 0.12 | 12 | BDL | 0.64 | 0.06 | 18.3 | 5 |
| **300955** | 257 | 0.3 | 12.7 | BDL | 4140 | 163 | 0.6 | 138 | BDL | 0.3 | 35 | 178 | 11.2 | 0.07 | BDL | 0.9 | 0 | 232 | 1.5 | 1 | 0.22 | 0.08 | BDL | 5.6 | BDL | BDL | 0.06 | 15 | BDL | BDL | 0.07 | 11 | BDL | 0.53 | 0.03 | 34.0 | BDL |

| SampleID | K ppm | La ppm | Li ppm | Lu ppm | Mg ppm | Mn ppm | Mo ppm | Na ppm | Nb ppm | Nd ppm | Ni ppm | P ppm | Pb ppm | Pr ppm | Pt ppb | Rb ppm | Re ppm | S ppm | Sb ppm | Sc ppm | Se ppm | Sm ppm | Sn ppm | Sr ppm | Ta ppm | Tb ppm | Th ppm | Ti ppm | Tl ppm | Tm ppm | U ppm | V ppm | W ppm | Y ppm | Yb ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **300956** | 116 | 0.4 | BDL | 0.03 | 311 | 92 | 0.7 | 165 | BDL | 0.3 | 12 | 167 | 7.0 | 0.09 | BDL | 0.9 | 0 | 161 | 1.3 | BDL | 0.07 | 0.07 | BDL | 2.9 | 0.02 | BDL | 0.16 | 16 | BDL | BDL | 0.50 | 4 | BDL | 0.43 | 0.05 | 21.1 | 3 |
| **300959** | 1870 | 20.3 | 4.7 | 0.32 | 16600 | 815 | 1.2 | 20400 | 5.8 | 17.1 | 30 | 1190 | 14.1 | 4.63 | BDL | 5.3 | 0 | 235 | 1.6 | 21 | 1.40 | 3.58 | 1.4 | 277.0 | 0.47 | 0.61 | 8.36 | 5100 | 0.04 | 0.34 | 2.13 | 183 | 0.3 | 19.20 | 2.09 | 42.3 | 146 |
| **300960** | 591 | 11.6 | 3.9 | 0.34 | 3690 | 180 | 0.6 | 42800 | 2.7 | 10.0 | 6 | 366 | 6.6 | 2.65 | 6 | 1.3 | 0 | BDL | 0.3 | 5 | 1.10 | 2.18 | 1.2 | 73.3 | 0.38 | 0.36 | 12.10 | 1520 | BDL | 0.29 | 2.60 | 29 | 0.5 | 15.20 | 2.04 | 9.5 | 256 |
| **300961** | 122 | 7.9 | 0.7 | 0.29 | 3570 | 946 | 0.7 | 4420 | 3.1 | 9.8 | 15 | 202 | 7.7 | 2.37 | 7 | 1.1 | 0 | 192 | 2.2 | 23 | 0.77 | 2.55 | 5.0 | 1160.0 | 0.32 | 0.49 | 3.51 | 2470 | BDL | 0.30 | 0.98 | 174 | 0.3 | 17.80 | 1.87 | 7.2 | 63 |
| **300962** | 2150 | 10.0 | 11.1 | 0.24 | 31900 | 1080 | 0.4 | 21500 | 2.7 | 9.6 | 63 | 226 | 6.9 | 2.49 | BDL | 7.7 | 0 | 126 | 2.6 | 33 | 0.30 | 2.24 | 1.2 | 231.0 | 0.21 | 0.40 | 3.28 | 2730 | 0.04 | 0.25 | 0.76 | 167 | 0.1 | 14.90 | 1.60 | 53.5 | 76 |
| **300963** | 18900 | 56.0 | 16.6 | 0.84 | 18900 | 509 | 0.6 | 370 | 4.9 | 47.4 | 6 | 543 | 4.1 | 13.00 | 7 | 53.0 | 0 | 151 | 1.1 | 8 | 2.25 | 9.01 | 2.8 | 16.4 | 0.35 | 1.17 | 15.20 | 1190 | 0.85 | 0.82 | 4.86 | 2 | 0.3 | 41.10 | 5.26 | 81.8 | 370 |
| **301024** | 650 | 2.7 | 7.9 | BDL | 1640 | 161 | 1.1 | 308 | BDL | 2.8 | 20 | 132 | 143.0 | 0.71 | BDL | 3.3 | 0 | BDL | 16.8 | BDL | 0.80 | 0.64 | 2.1 | 5.0 | 0.02 | 0.05 | 0.39 | 54 | 0.05 | 0.02 | 0.20 | 7 | BDL | 1.10 | 0.09 | 58.6 | 3 |