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ASX Announcement | 13th January, 2025

Major Mineral System Potential Confirmed, Litchfield Advances Oonagalabi Exploration

Highlights

- LMS has an exploration plan in place to actively explore Oonagalabi, starting in early 2025.
- 3D inversion modelling of 2008 IP data confirms presence of a large pipe-like structure that warrants priority assessment.
- Detailed drone magnetics completed over central Oonagalabi has significantly improved the quality of existing data.
- Sentinel-2 hyperspectral data processing has identified key vectors to mineralisation and soil sampling confirms extension of mineralised strike to +3km.Reconnaissance mapping confirms accuracy and high quality of historic detailed mapping to assist LMS's exploration plan.
- Ground exploration has confirmed a 3km mineralised strike at Oonagalabi, highlighting the extensive potential of the system

Litchfield Minerals Limited (**"Litchfield"** or the **"Company"**) **(ASX:LMS)**, a company with a strategic emphasis on critical minerals, is pleased to announce the completion of soil and rock chip sampling, airborne drone magnetics and reprocessing of 2008 IP data and Sentinel-2 data at the Oonagalabi project. This has aided the preparation of an exploration plan for Oonagalabi that will be initiated early in 2025.

Managing Director and CEO, Matthew Pustahya, commented:

We are proud of the significant progress achieved in a short period at Oonagalabi since the acquisition was completed in Q4 2024. By integrating cutting-edge geophysical, geochemical and remote sensing techniques, we have rapidly advanced our understanding of this promising project. Our efforts have already uncovered substantial historical data, which was reassessed in the field in Q4 2024, reaffirming Oonagalabi's potential to host a major mineral discovery.

The results of our initial work are exceptionally encouraging. We have identified a large, steeply plunging pipe-like structure, and new soil sampling has extended the mineralised strike to over 3km, suggesting a system of remarkable scale. Ground traverses and magnetic surveys, while highlighting



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the deposit's geological complexity, also point to a potential large intrusive unit to the northeast, which will require further investigation.

These early findings strongly suggest that Oonagalabi possesses all the essential components typically found in world-class mineral systems. With refined exploration strategies supported by advanced 3D inversion modelling and high-resolution drone magnetics, Litchfield Minerals is positioned to unlock substantial value for shareholders. Our ambitious 2025 program, including ground gravity surveys, Pole-Dipole IP and targeted diamond drilling underscores our commitment to aggressive exploration to identify deposits for resource definition.

We believe Oonagalabi's unique geology and extensive mineralisation position it among the most exciting opportunities left in Australia. As we move into the next phase of exploration, we remain confident in our ability to deliver transformative growth and value for our shareholders. This is a pivotal moment for Litchfield Minerals, and we are excited to build on this momentum.

Induced Polarization Data Reprocessing

The Silex 2008 Pole-Dipole IP chargeability data was remodelled to produce a new 3D inversion model (**Figure 1**). The model shows a +400m long, chargeability zone surrounded by lower chargeability shells) that indicate a steep east-plunging, pipe-like structure to at least 500m below surface. These chargeabilities are significant given the dominance of generally non-chargeable sphalerite within the mineralisation assemblage. The shape of the pipe-like structure appears to cross-cut folded stratigraphy, potentially hinting at the presence of a syn- to post-metamorphic breccia structure similar to those observed within the nearby and comparable Jervois system.

Review of the new model indicates that none of the historical drill holes have successfully tested the highest-chargeability parts of the model. Additionally, historic holes that did intersect the outer chargeability shells of the model generally recorded the best mineralised intersections and many of the holes, which fall outside of the model, continue to be mineralised (**Table 1**). The new model is broadly consistent with Silex's 2008 inversion model and confirms that Silex's SLX001 (500.7m) hole



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was drilled parallel to, however, importantly, appeared to complete miss the extent of the entire chargeability model.

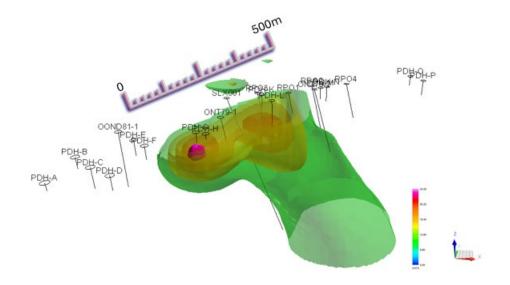


Figure 1. 3D inversion model (looking north) of the Silex 2008 Pole-Dipole IP chargeability data showing a large pipe-like structure, plunging steeply to the east.

Hole_ID	East	North	RL	From m	To m	Interval	Cu%	Zn %	Pb ppm	Auppm	Ag ppm	Cu%m	Zn%m	Pb %m	Au ppm m	Ag ppm m
PDH-L	485384	7442435	837	1.5	38	36.5	1	1.7	1372	No Assays	No Assays	36.5	62.1	5		
ONT79-1	485228	7442368	802	68	95	27	0.76	1.95	1620	0.159	5.6	20.5	52.7	4.4	4.3	151.2
RPO2	485514	7442697	809	138	162	24	0.63	1.52	367	No Assays	4.66	15.1	36.5	0.9		111.8
PDH-K	485340	7442530	825	18.3	29	10.7	0.6	0.56	310	No Assays	No Assays	6.4	6	0.3		
PDH-F	485081	7442121	815	36.6	47.2	10.6	0.49	0.59	1036	No Assays	No Assays	5.2	6.3	1.1		
PDH-P	485949	7442760	820	12.2	24.4	12.2	0.42	0.41	967	No Assays	No Assays	5.1	5	1.2		
ONT79-2	485523	7442652	811	200	220	20	0.24	1.71	1806	0.02	5.5	4.8	34.2	3.6	0.4	110
RPO1	485428	7442617	806	16	32	16	0.25	0.14	139	No Assays	1.56	4	2.2	0.2		25
RPO3	485319	7442577	816	118	130	12	0.19	0.23	273	No Assays	1.37	2.3	2.8	0.3		16.4
PDH-A	484963	7441891	835	0	7.6	7.6	0.27	0.53	546	No Assays	No Assays	2.1	4	0.4		
PDH-B	484956	7442019	830	4.6	16.8	12.2	0.16	2.19	527	No Assays	No Assays	2	26.7	0.6		
PDH-G	485190	7442218	814	3	10.7	7.7	0.25	0.88	1772	No Assays	No Assays	1.9	6.8	1.4		
PDH-E	485039	7442154	815	9.1	10.7	1.6	0.9	0.1	490	No Assays	No Assays	1.4	0.2	0.1		
SLX001	485214	7442540	808	73	75	2	0.52	1.39	354	0.048	3.45	1	2.8	0.1	0.1	6.9
PDH-C	485015	7441975	828	3	4.6	1.6	0.31	0.54	585	No Assays	No Assays	0.5	0.9	0.1		
PDH-D	485066	7441958	818	9.1	16.8	7.7	0.05	0.94	548	No Assays	No Assays	0.4	7.2	0.4		

Table 1. Historic Oonagalabi drillhole intersections showing original intersections and then ranked by
 contained Cu percent metre. Intersections calculated using a minimum 1000ppm Cu, 1000ppm Zn cutoff with maximum 2m internal dilution.



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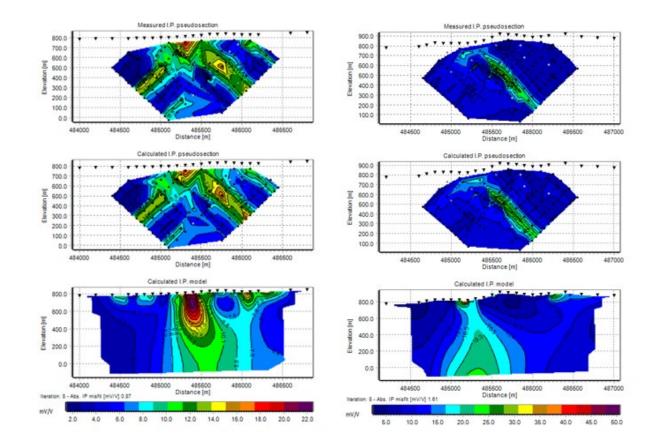


Figure 2. 2D IP chargeability inversion section 7442500 & 7442100N going through the central northern part of the main pipe-like structure. These sections show moderate chargeabilities persisting to at least 400m below surface.

Drone Magnetics

Airborne drone magnetics has been completed (mid-December) over the central part of EL32279 and has significantly improved the quality over the existing 400m data (**Figure 2**). The 613 line-km survey was flown at 50m line-spacing and a mean flight height of 35m and produced a high quality dataset. The new data has identified a magnetic anomaly coincident with the central Oonagalabi mineralisation, confirming the presence of west-northwest structures that appear to control the limits of mineralisation and clearly defines the folded nature of the Oonagalabi Anticline.



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The magnetic survey was developed into a 3D model (**Figure 3**), revealing through inversion analysis a potentially large intrusive body situated to the northeast along the structural trend of the known mineralisation. Our team will conduct further investigations into this anomaly, which we believe holds significant potential for mineralisation.

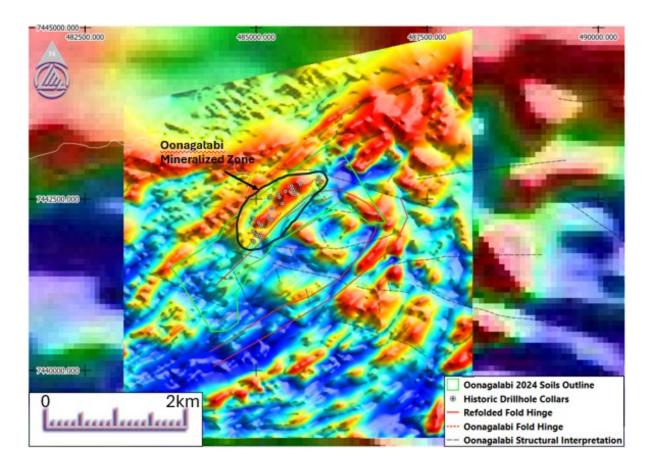


Figure 3. TMI RTP magnetic image of the central Oonagalabi prospect overlain by historic 400mspaced data. Combined gas targets identified from spectral analysis of Sentinel-2 data, showing multiple targets to the northeast and southeast of the Oonagalabi



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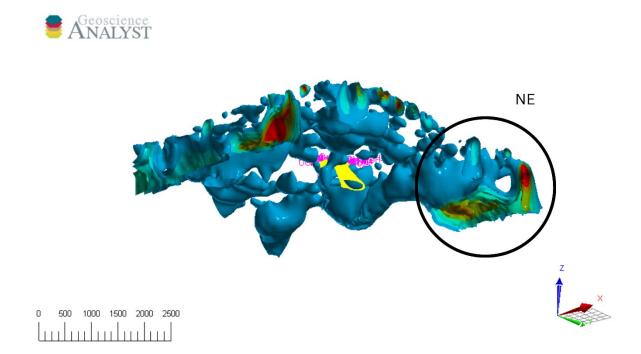


Figure 4. TMI RTP 3D magnetic model of the Oonagalabi prospect circle indicates the modelled Intrusive unit NE of the main Oonagalabi outcrop. The image also shows the IP pipe highlighted in Yellow.

Sentinel-2 Hyperspectral Data Analysis

A Sentinel-2 data was processed by Neil Pendock from Dirt Exploration who applied proprietary algorithms to spectral features within the Very Near Infrared (VNIR) and Shortwave Infrared (SWIR) spectrums to estimate gas concentrations (H₂, O₂, CO₂, CH₄ and Rn). This analysis demonstrated that zones of outcropping mineralised Oonagalabi Formation have coincident oxygen, carbon dioxide and methane gas anomalies. A multivariate statistical classifier, trained on copper anomalous soil geochemistry, was then used to identify potential hyperspectral targets within the broader Oonagalabi Anticline (**Figure 5**). These findings underline the potential for leveraging gas anomalies, in combination with multivariate spectral and geochemical analyses, to identify high-priority exploration targets. This approach enhances the understanding of subsurface mineralisation processes and refines target delineation for follow-up exploration activities.



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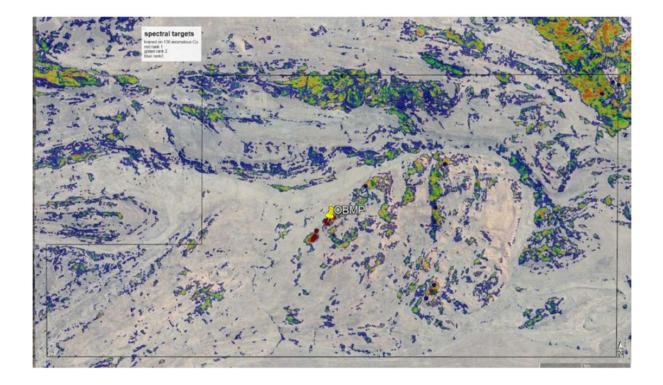


Figure 5. Combined gas targets identified from spectral analysis of Sentinel-2 data, showing multiple targets to the northeast and southeast of the Oonagalabi Prospect (OBMP = Oonagalabi).

Soil and Rock Chip Sampling

Surface geochemical sampling (161 soils, 13 rocks) and reconnaissance mapping was completed over the central mineralised Oonagalabi system in early December (**Figure 6**, **Appendices 1**, **2**). Soil sampling was completed at 200m x 100m, covering the original 1970's grid (1500m strike) and then extending a further 1500m to cover the limits of exposed alteration and mineralisation (3km strike). Samples have been submitted to Bureau Veritas in Adelaide for full multi-element analysis with assays expected in early January 2025. The new multi-element data will be a dramatic improvement on the 1970's data (Cu, Pb, Zn, Ag only) and will be used to develop metal zonation models, vectors to mineralisation and potentially define new anomalies beyond the original soil grid.



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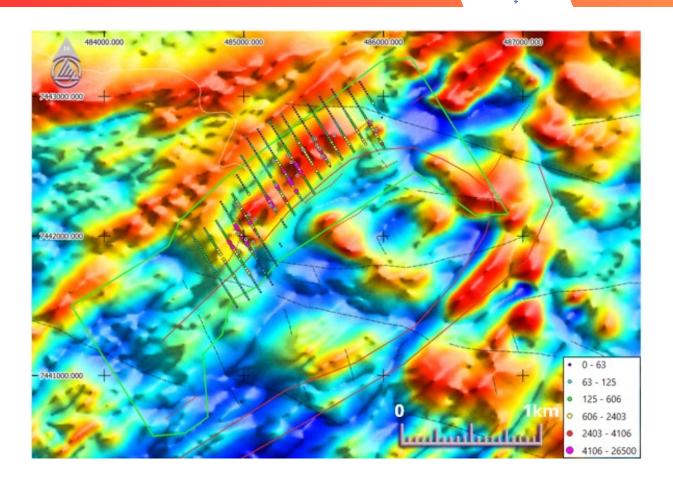


Figure 6. TMI RTP drone magnetic image showing historic Oonagalabi copper soil geochemistry (100m x 20m), the outline of the new 2024 soil grid (200m x 100m) and a preliminary structural interpretation.

Reconnaissance mapping was completed in conjunction with soil sampling to confirm the accuracy and quality of previous detailed mapping. The Kinex 1979, 1:2,500 scale fact map was used as a base for reconnaissance mapping and was proven to be remarkably detailed and accurate. Mapping confirmed an extensive thickness of granulite-facies schists and gneisses, intruded by numerous mafic granulites (amphibolites) to form the broader Oonagalabi Anticline. Original mapping by Russgar (1970) interpreted the Oonagalabi Anticline to form a dome-like structure (two separate folding events) and can be seen in the new magnetic dataset (**Figure 3**). Reconnaissance mapping confirmed the 2008 Kinex interpretation of an Upper and Lower Unit within the Oonagalabi Anticline with the Lower Unit containing more biotite-rich schists and a distinctive coarse-grained feldspar porphyroblasts texture that is absent from the Upper Unit. The mineralised Oonagalabi Formation sits stratigraphically at the boundary between the Upper and Lower Units. The Oonagalabi formation



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comprises a coarse-grained amphibole unit (dominantly anthophyllite), marble with variable olivine content and garnet-rich quartzite. Mineralisation was observed dominantly in the more extensive amphibole unit and within marble.

2025 Exploration Plan

Litchfield Minerals intends to aggressively explore the Oonagalabi prospect during the 2025 field season, starting with grading and improving the access track from Mt Riddoch Station to the prospect (thereby reducing the current 2 hours' journey to site). Planetary Geophysics has been contracted to complete (late January / early February) a 3.5 x 2km ground gravity survey (100m x 50m grid) over the broader Oonagalabi mineralised trend and up to five line kilometres of Pole-Dipole IP over the central IP chargeability anomaly to confirm the interpreted pipe structure and improve drillhole targeting. Litchfield Minerals will then complete a focused diamond drilling campaign to test any significant IP chargeability, density, magnetic and resistivity anomalies. Additional drilling may be completed depending on the success of the Phase 1 drilling.

Cautionary Statement

The exploration results and interpretations presented in this announcement, including the identification of chargeability anomalies, magnetic structures, and mineralised zones, are based on preliminary data and geological models. While these results suggest potential for significant mineralisation at the Oonagalabi project, they remain subject to further validation through detailed ground-based geophysical surveys and targeted drilling programs.

There is no guarantee that future exploration will confirm the presence of economic mineralisation or lead to the definition of a mineral resource. Factors such as geological complexity, data accuracy, and exploration limitations may impact these findings. Investors should be aware of these uncertainties and should not rely solely on the forward-looking interpretations provided in this announcement.

Forward looking statement

This announcement may include forward-looking statements, which are subject to risks and uncertainties. Actual results could differ significantly due to factors beyond our control, including market conditions and industry-specific risks. These forward-looking statements are based on the



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Company's expectations and beliefs concerning future events. No warranty is given regarding the completeness of the information provided. Please avoid placing undue reliance on forward-looking statements, as they reflect views only as of the announcement date.

About Litchfield Minerals

Litchfield Minerals is a critical mineral explorer, primarily searching for base metals and uranium out of the Northern Territory of Australia. Our mission is to be a pioneering copper exploration company committed to delivering cost-effective, innovative and sustainable exploration solutions. We aim to unlock the full potential of copper and other mineral resources while minimising environmental impact, ensuring the longevity and affordability of this essential metal for future generations. We are dedicated to involving cutting-edge technology, responsible practices and stakeholder collaboration drives us to continuously redefine the industry standards and deliver value to our investors, communities and the world.

The announcement has been approved by the Board of Directors.

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Competent Person's Statement

The information in this Presentation that relates to Exploration Results is based on, and fairly represents, information and supporting documentation compiled by Mr Russell Dow (MSc, BScHons Geology), a Competent Person who is a Member of the Australian Institute of Mining and Metallurgy (AUSIMM) and is a full-time employee of Litchfield Minerals Limited. Mr Dow has sufficient experience that is relevant to the style of mineralisation and types of deposits under consideration and to the activity 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" (JORC Code). Mr Dow consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. With regard to the Company's ASX Announcements referenced in the above Announcement, the Company is not aware of any new information or data that materially affects the information included in the Announcements.



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Appendix 1. Location of new soil samples

SS00141 486028 7443158 809 SS00114 484539 7441474 823 SS00122 483807 7441239 761 SS00262 483507 7442239 8 SS00142 486080 744307 181 SS00124 483017 7441306 761 SS00264 482349 7441249 835 7441406 761 SS00264 482497 7441274 703 SS00224 48376 7441405 762 SS00264 485431 7442249 8 SS00144 486233 7442745 84531 7442747 83 SS00164 486331 7442745 84530 7442743 844 SS00184 484114 7441532 781 SS00220 485670 7442243 840 SS00270 485341 7441297 85 SS00121 486407 7442343 840 SS00124 48571 7442343 840 SS00270 485341 7441297 85 SS00124 48541 7441297 85 S00220 48577 7442133 <	Sample_#	East	North	RL												
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SS00152 486540 7442331 901 SS00191 484314 7441368 784 SS00232 485891 7442250 847 SS00272 485274 7442094 8 SS00153 486607 7442244 920 SS00192 484363 7441292 808 SS00233 485766 7442232 845 SS00277 485249 74411992 8 SS00154 486662 7442151 915 SS00194 484505 7441108 8576 7442503 840 SS00277 485067 7442073 84 SS00277 485060 7442173 84 SS00274 48515 7442508 837 SS00277 485060 7442174 84 SS00274 48507 7442518 837 SS00277 485060 7442273 84 SS00277 485060 7442174 845 SS00277 485060 7442213 84 SS00274 485072 7442038 837 SS00274 485080 7442154 837 SS00274 485080 7442218 837 SS00274 485080 74422761 SS00274 4845087 74	SS00149	486444	7442496	860	SS00189	484213	7441532	787	SS00230	485678	7442232	866	SS00270	485386	7441927	843
SS00153 486607 744224 920 SS00192 484363 7441292 808 SS00233 485866 7442326 854 SS00277 485249 7441814 8 SS00154 486662 7442151 915 SS00193 484425 7441219 828 SS00234 48576 744223 846 SS00277 485157 7441909 8 SS00155 486685 7442252 889 SS00196 484538 7441048 857 SS00236 485681 7442278 818 SS00277 485006 7442073 8 SS00156 486789 7442232 909 SS00197 484631 7440870 840 SS00237 485580 7442671 818 SS00278 485080 7442273 81 SS00278 48508 7442239 8 SS00154 48659 7442423 808 SS00274 485507 7442671 811 SS00274 48508 7442073 81 SS00280 484908 7442274 807 SS00281 48507 7442818 8 SS00164 486597 7442618	SS00151	486510	7442414	881	SS00190	484268	7441460	777	SS00231	485727	7442153	877	SS00271	485341	7442012	849
SS00154 486662 7442151 915 SS00193 484425 7441219 828 SS00234 48578 744223 846 SS00274 485157 7441909 8 SS00155 486891 7442162 886 SS00194 484505 7441098 845 SS00276 485157 7441909 8 SS00156 486684 7442252 899 SS00195 48450 7441048 857 SS00276 485007 7442154 8 SS00177 485060 7442154 8 SS00177 485007 7442589 837 SS00270 485007 7442154 8 SS00270 484007 744273 840 SS00270 484508 74422154 8 SS00270 484950 74422154 8 SS00270 484507 7442017 840 SS00280 484908 7442212 8 SS00280 484960 7442212 8 SS00280 484960 7442242 8 SS00280 484507 74422439 SS00280 484517<	SS00152	486540	7442331	901	SS00191	484314	7441368	784	SS00232	485891	7442250	847	SS00272	485274	7442094	833
SS00155 486891 7442162 886 SS00194 484505 7441098 848 SS0025 485734 7442503 840 SS00277 485115 7441992 8 SS00156 486845 7442252 899 SS00195 484538 7441048 857 SS00237 485681 7442589 837 SS00277 485000 7442114 8 SS00157 486789 7442232 916 SS00197 484641 7440870 840 SS00237 485626 7442672 811 SS00277 484500 7442239 8 SS00159 486695 7442514 864 SS00199 484641 7440701 860 SS00230 485137 7442618 808 SS00280 484900 7442406 7 SS00161 486590 7442611 84539 7442617 807 SS00224 485187 7442618 803 SS00280 484901 7442406 7 SS00162 486591 7442611 84539 7442617 811 S00244 485187 7442608 803 SS00280	SS00153	486607	7442244	920	SS00192	484363	7441292	808	SS00233	485846	7442326	854	SS00273	485249	7441814	827
SS00156 486845 7442252 89 SS00195 484538 7441048 857 SS00236 485681 7442588 837 SS00277 485060 7442073 8 SS00157 486780 744223 916 SS00196 484590 7440949 840 SS00237 485626 7442671 818 SS00279 484502 7442238 8 SS00158 486730 744223 909 SS00197 484641 7440870 840 SS00239 485515 7442281 808 SS00280 484908 7442315 8 SS00160 486629 744259 843 SS00199 484739 7440701 860 SS00240 485389 7442618 807 SS00282 48501 74424212 8 SS00162 486517 7442778 821 SS00202 484527 7440735 806 SS00242 485187 7442608 803 SS00282 48501 7442131 8 SS00163 486451 74422912 813 <td>SS00154</td> <td>486662</td> <td>7442151</td> <td>915</td> <td>SS00193</td> <td>484425</td> <td>7441219</td> <td>828</td> <td>SS00234</td> <td>485786</td> <td>7442423</td> <td>846</td> <td>SS00274</td> <td>485157</td> <td>7441909</td> <td>822</td>	SS00154	486662	7442151	915	SS00193	484425	7441219	828	SS00234	485786	7442423	846	SS00274	485157	7441909	822
SS00157 486789 7442329 916 SS00196 484590 7440949 840 SS00237 485626 7442671 818 SS00279 485008 7442153 8 SS00158 486730 744243 909 SS00197 484641 7440870 840 SS00238 485580 7442762 811 SS00279 484922 7442239 8 SS00159 486695 7442514 864 SS00199 484739 7440701 860 SS00240 485387 7442518 80 SS00280 484860 7442406 7 SS00161 486690 7442818 828 SS00201 484574 7440597 857 SS00241 48539 7442608 803 SS00282 48501 74422439 83 SS00242 485187 7442608 803 SS00283 48507 7442323 83 SS00241 485187 7442608 803 SS00284 48529 7442243 83 SS00284 48529 7442254 811 S00284 48550 7442153 85 SS00285 484350 7442212	SS00155	486891	7442162	886	SS00194	484505	7441098	848	SS00235	485734	7442503	840	SS00276	485115	7441992	821
SS00158 486730 7442423 909 SS00197 484641 7440870 840 SS00238 485580 7442762 811 SS00279 484952 7442238 8 SS00159 486695 7442514 864 SS00198 484691 7440782 849 SS00239 485515 7442828 808 SS00280 484908 7442401 8 SS00160 486629 7442599 843 SS00199 484739 7440701 860 SS00240 485398 744251 810 SS00282 485011 74424212 8 SS00162 486517 7442757 821 SS00204 484525 7440673 839 SS00242 485187 744268 803 SS00283 48507 7442249 8 SS00163 486454 7442742 811 SS00284 485172 744268 803 SS00283 485177 744268 803 SS00284 485172 7442698 812 SS00284 48479 7442293 8 SS00163 486337 7443178 SS00285 484373 7440296 793	SS00156	486845	7442252	899	SS00195	484538	7441048	857	SS00236	485681	7442589	837	SS00277	485060	7442073	820
SS00159 486695 7442514 864 SS00198 484691 7440782 849 SS00239 485515 7442828 808 SS00280 484908 7442315 8 SS00160 486629 7442599 843 SS00199 484739 7440701 860 SS00240 485398 7442651 810 SS00282 485011 7442402 742512 8 SS00161 486590 7442681 828 SS00202 48455 7440673 839 SS00242 485187 7442608 803 SS00283 48507 7442439 8 SS00163 486454 7442842 831 SS00204 484417 7440848 817 SS00244 485686 7442960 817 SS00285 484507 7442128 8 SS00164 486391 7443119 823 SS00206 48339 7441926 73 SS00245 485738 7442696 817 SS00286 48477 7442125 8 SS00166 486294	SS00157	486789	7442329	916	SS00196	484590	7440949	840	SS00237	485626	7442671	818	SS00278	485008	7442154	833
SS00160 486629 7442599 843 SS00199 484739 7440701 860 SS00240 485398 7442651 810 SS00281 484860 7442407 SS00161 486590 7442681 828 SS00201 484574 7440597 857 SS00241 485349 7442740 807 SS00282 485011 7442512 8 SS00162 486517 7442757 821 SS00202 484525 7440673 839 SS00242 485187 7442608 803 SS00283 485072 7442439 8 SS00163 486454 7442842 831 SS00204 484417 7440844 817 SS00244 485686 7442960 817 SS00285 484550 7442125 8 SS00164 486391 7443119 828 SS00206 483939 7441520 767 SS00246 485791 7442783 823 SS00287 484880 7441258 SS00167 486244 7443187 825	SS00158	486730	7442423	909	SS00197	484641	7440870	840	SS00238	485580	7442762	811	SS00279	484952	7442239	808
SS00161 486590 7442681 828 SS00201 484574 7440597 857 SS00241 485349 7442740 807 SS00282 485011 7442512 8 SS00162 486517 7442757 821 SS00202 484525 7440673 839 SS00242 485187 7442608 803 SS00283 485072 7442439 8 SS00163 486454 7442842 831 SS00203 484464 7440735 806 SS00243 485229 7442549 811 SS00284 484507 7442213 8 SS00164 486391 7442912 840 SS00204 48417 7440844 817 SS00244 485686 7442960 817 SS00285 484507 7442125 8 SS00165 486353 7443119 828 SS00206 48339 7441507 743 SS00285 484573 7442059 85 SS00287 484828 7442195 8 SS00162 486191 7443059 <td>SS00159</td> <td>486695</td> <td>7442514</td> <td>864</td> <td>SS00198</td> <td>484691</td> <td>7440782</td> <td>849</td> <td>SS00239</td> <td>485515</td> <td>7442828</td> <td>808</td> <td>SS00280</td> <td>484908</td> <td>7442315</td> <td>800</td>	SS00159	486695	7442514	864	SS00198	484691	7440782	849	SS00239	485515	7442828	808	SS00280	484908	7442315	800
SS00162 486517 7442757 821 SS00202 484525 7440673 839 SS00242 485187 7442608 803 SS00283 48507 7442439 8 SS00163 486454 7442842 831 SS00203 484464 7440735 806 SS00243 485229 7442549 811 SS00284 484729 7442232 8 SS00164 486391 7442912 840 SS00204 48417 7440844 817 SS00244 485686 7442960 817 SS00285 484550 7442125 8 SS00165 486353 7443119 823 SS00206 483939 744150 767 SS00246 485791 7442738 823 SS00287 484828 7442059 8 SS00167 486244 7443187 825 SS00207 483988 7441520 783 SS00247 485840 7442738 825 SS00288 484893 7441905 8 SS00168 486445	SS00160	486629	7442599	843	SS00199	484739	7440701	860	SS00240	485398	7442651	810	SS00281	484860	7442406	795
SS00163 486454 7442842 831 SS00203 484464 7440735 806 SS00243 485229 7442549 811 SS00284 484729 7442223 8 SS00164 486391 7442912 840 SS00204 48411 7440844 817 SS00244 485686 7442960 811 SS00285 484550 7442113 7 SS00165 486353 7443017 823 SS00205 48435 7440926 793 SS00245 485738 7442869 812 SS00286 484778 7442125 8 SS00166 486294 7443119 828 SS00207 483989 744150 767 SS00246 485791 7442783 823 SS00287 484828 7442059 8 SS00167 486192 7443187 825 SS00207 483988 7441520 783 SS00247 485893 7442170 826 SS00288 484937 7441905 8 SS00168 486192	SS00161	486590	7442681	828	SS00201	484574	7440597	857	SS00241	485349	7442740	807	SS00282	485011	7442512	805
SS00164 486391 7442912 840 SS00204 484417 7440844 817 SS00244 485686 7442960 817 SS00285 484550 7442113 7 SS00165 486353 7443017 823 SS00205 484365 7440926 793 SS00245 485738 7442869 812 SS00286 484778 742125 8 SS00166 486294 7443119 828 SS00206 483939 7441590 767 SS00246 485791 7442783 823 SS00287 484828 7442059 8 SS00167 486244 7443187 825 SS00207 483988 7441520 783 SS00247 485890 7442703 826 SS00288 484893 7441908 8 SS00168 486192 7443274 810 SS00209 484997 7441348 779 SS00249 485954 7442517 830 SS00290 484987 7441906 8 SS00170 484512	SS00162	486517	7442757	821	SS00202	484525	7440673	839	SS00242	485187	7442608	803	SS00283	485072	7442439	808
SS00165 486353 7443017 823 SS00205 484365 7440926 793 SS00245 485738 7442869 812 SS00286 484777 742125 8 SS00166 486294 7443119 828 SS00206 483939 7441590 767 SS00246 485791 7442783 823 SS00287 484828 7442059 8 SS00167 486244 7443187 825 SS00207 483988 7441520 783 SS00247 485840 7442703 826 SS00288 484893 7441906 8 SS00168 486192 7443274 810 SS00208 484097 7441348 779 SS00249 485954 7442617 830 SS00290 484983 7441906 8 SS00170 484512 7441924 777 SS00210 484151 7441266 780 SS00251 485997 7442432 839 SS00290 484983 744168 8 SS00170 484545	SS00163	486454	7442842	831	SS00203	484464	7440735	806	SS00243	485229	7442549	811	SS00284	484729	7442223	804
SS00166 486294 7443119 828 SS00206 483339 7441590 767 SS00246 485791 7442783 823 SS00287 484828 7442058 8 SS00167 486244 7443187 825 SS00207 483988 7441520 783 SS00247 485840 7442703 826 SS00288 484893 7441958 8 SS00168 486192 7443274 810 SS00208 484037 7441344 778 SS00249 485937 7442617 830 SS00290 484987 7441906 8 SS00169 484445 7441924 777 SS00209 48497 7441348 779 SS00214 485954 7442534 829 SS00290 484987 7441707 8 SS00170 484512 7441755 791 SS00211 484201 7441184 797 SS00252 486017 7442452 845 S00293 484957 7441688 8 SS00172 484602 7441683 <td>SS00164</td> <td>486391</td> <td>7442912</td> <td>840</td> <td>SS00204</td> <td>484417</td> <td>7440844</td> <td>817</td> <td>SS00244</td> <td>485686</td> <td>7442960</td> <td>817</td> <td>SS00285</td> <td>484550</td> <td>7442113</td> <td>795</td>	SS00164	486391	7442912	840	SS00204	484417	7440844	817	SS00244	485686	7442960	817	SS00285	484550	7442113	795
SS00167 486244 7443187 825 SS00207 483988 7441520 783 SS00247 485840 7442703 826 SS00288 484937 7441958 8 SS00168 486192 7443274 810 SS00208 484037 7441434 778 SS00248 485893 7442171 830 SS00289 484937 7441908 8 SS00169 484445 741924 777 SS00209 484097 7441348 779 SS00249 485954 7442534 829 SS00290 484988 74417018 8 SS00170 484512 7441825 779 SS00210 484151 7441266 780 SS00252 486061 744238 839 SS00290 485985 7441708 8 SS00171 48456 7441755 791 SS00214 484201 7441184 797 SS00252 486061 744256 848 S00298 7441648 8 SS00172 484602 7441668	SS00165	486353	7443017	823	SS00205	484365	7440926	793	SS00245	485738	7442869	812	SS00286	484778	7442125	803
SS00168 486192 7443274 810 SS00208 484037 7441343 778 SS00248 485893 7442617 830 SS00289 484937 7441908 8 SS00169 484445 7441924 777 SS00209 484097 7441348 779 SS00249 485954 7442534 829 SS00290 484988 7441318 8 SS00170 484512 7441825 779 SS00210 484151 7441266 780 SS00251 485997 744238 839 SS00290 485058 7441707 8 SS00171 48456 7441755 791 SS00211 484201 7441184 797 SS00252 486061 7442362 845 SS00290 484998 7441648 8 SS00172 484602 7441668 798 SS00214 484201 744057 810 SS00253 486231 744255 848 SS00294 484983 7441598 8 SS00174 484757 7441494	SS00166	486294	7443119	828	SS00206	483939	7441590	767	SS00246	485791	7442783	823	SS00287	484828	7442059	823
SS00169 484445 7441924 777 SS00209 484097 7441348 779 SS00249 485954 7442534 829 SS00290 484988 7441813 8 SS00170 484512 7441825 779 SS00210 484151 7441266 780 SS00251 485997 744238 839 SS00290 485053 7441707 8 SS00171 484564 7441755 791 SS00211 484201 7441184 797 SS00252 486061 7442362 845 SS00292 485098 7441638 8 SS00172 484602 7441668 798 SS00212 484253 7441098 798 SS00253 486231 7442545 848 SS00294 4849815 7441548 8 SS00294 484893 7441548 8 SS00294 484935 7441548 8 SS00294 484915 7441548 8 SS00294 484935 7441548 8 SS00294 484933 7441548 8	SS00167	486244	7443187	825	SS00207	483988	7441520	783	SS00247	485840	7442703	826	SS00288	484893	7441958	857
SS00170 484512 7441825 779 SS00210 484151 7441266 780 SS00251 485997 7442438 839 SS00291 485035 7441707 8 SS00171 484546 7441755 791 SS00211 484201 7441184 797 SS00252 486061 7442362 845 SS00292 485098 7441638 8 SS00172 484602 7441668 798 SS00212 484253 7441098 798 SS00253 486231 744255 848 SS00293 484915 7441544 8 SS00173 484651 7441590 797 SS00213 48430 7440574 810 SS00254 486184 7442545 830 SS00294 484883 7441593 8 SS00174 484713 7441499 809 SS00214 484298 7440648 797 SS00255 486111 7442634 827 SS00296 484823 7441692 8 SS00275 484071 7441760 8 SS00276 484757 7441780 8 SS00276 484071 7442717	SS00168	486192	7443274	810	SS00208	484037	7441434	778	SS00248	485893	7442617	830	SS00289	484937	7441906	849
SS00171 484546 7441755 791 SS00211 484201 7441184 797 SS00252 486061 7442362 845 SS00292 48508 7441688 8 SS00172 484602 7441668 798 S00212 484253 7441098 798 S00253 486231 744255 848 S00293 484915 7441544 8 SS00173 484651 7441590 797 SS00213 484350 7440574 810 S00254 486184 7442545 830 S00294 484883 7441598 8 SS00174 484713 7441499 809 S00214 484298 7440648 797 S00255 486111 7442634 827 S00296 484823 7441692 8 SS00175 484755 744120 837 S00215 48429 7440733 776 S00256 486072 7442717 827 S00296 484725 7441780 8 SS00176 484815 7441	SS00169	484445	7441924	777	SS00209	484097	7441348	779	SS00249	485954	7442534	829	SS00290	484988	7441813	826
SS00172 484602 7441668 798 SS00212 484253 7441098 798 SS00253 486231 7442455 848 SS00293 484951 7441544 8 SS00173 484651 7441590 797 SS00213 484350 7440574 810 SS00254 486184 7442545 830 SS00294 484883 7441598 8 SS00174 484713 7441499 809 SS00214 484298 7440648 797 SS00255 486111 7442634 827 SS00295 484823 7441692 8 SS00175 484755 744120 837 SS00215 48429 7440733 776 SS00256 486072 7442717 827 SS00296 484782 7441708 8 SS00176 484815 7441335 857 SS00216 484201 7440813 773 SS00257 486012 744202 819 SS00297 484725 7441855 8 SS00177 484839	SS00170	484512	7441825	779	SS00210	484151	7441266	780	SS00251	485997	7442438	839	SS00291	485035	7441707	824
SS00173 484651 7441590 797 SS00213 484350 7440574 810 SS00254 486184 7442545 830 SS00294 484883 7441593 8 SS00174 484713 7441499 809 SS00214 484298 7440648 797 SS00255 486111 7442634 827 SS00294 484883 7441692 8 SS00175 484755 7441420 837 SS00215 484249 7440733 776 SS00256 486072 7442717 827 SS00296 484782 7441780 8 SS00176 484815 7441335 857 SS00216 484201 7440813 773 SS00257 486012 744202 819 SS00297 484725 7441855 8 SS00176 484815 7441297 869 SS00217 484145 7440904 778 SS00258 48504 7442829 820 SS00298 484670 7441928 SS00177 484383 7441297 <td>SS00171</td> <td>484546</td> <td>7441755</td> <td>791</td> <td>SS00211</td> <td>484201</td> <td>7441184</td> <td>797</td> <td>SS00252</td> <td>486061</td> <td>7442362</td> <td>845</td> <td>SS00292</td> <td>485098</td> <td>7441638</td> <td>823</td>	SS00171	484546	7441755	791	SS00211	484201	7441184	797	SS00252	486061	7442362	845	SS00292	485098	7441638	823
SS00174 484713 7441499 809 S00214 484298 7440648 797 S00255 486111 7442634 827 S00295 484823 7441692 8 SS00175 484755 7441420 837 S00215 48429 7440733 776 S00256 486072 7442717 827 S00296 484726 7441708 8 SS00176 484815 7441335 857 S00216 484201 7440813 773 S00257 486012 744202 819 S00297 484725 7441855 8 SS00176 484815 7441297 869 S00217 48415 7440904 778 S00257 486012 7442802 819 S00297 484725 7441855 8 SS00177 484839 7441297 869 S00217 48415 7440904 778 S00258 485964 7442889 820 S00298 484670 7441928 8	SS00172	484602	7441668	798	SS00212	484253	7441098	798	SS00253	486231	7442455	848	SS00293	484915	7441544	847
SS00175 484755 7441420 837 SS00215 484249 7440733 776 SS00256 486072 7442717 827 SS00296 484782 7441780 8 SS00176 484815 7441335 857 SS00216 484201 7440813 773 SS00257 486012 7442802 819 SS00297 484725 7441855 8 SS00177 484839 7441297 869 SS00217 484145 7440904 778 SS00258 485964 7442889 820 SS00298 484670 7441928 8	SS00173	484651	7441590	797	SS00213	484350	7440574	810	SS00254	486184	7442545	830	SS00294	484883	7441593	835
SS00176 484815 7441335 857 SS00216 484201 7440813 773 SS00257 486012 7442802 819 SS00297 484725 7441855 8 SS00177 484839 7441297 869 SS00217 484145 7440904 778 SS00258 485964 7442809 820 SS00298 484670 7441928 8	SS00174	484713	7441499	809	SS00214	484298	7440648	797	SS00255	486111	7442634	827	SS00295	484823	7441692	828
SS00177 484839 7441297 869 SS00217 484145 7440904 778 SS00258 485964 7442889 820 SS00298 484670 7441928 8	SS00175	484755	7441420	837	SS00215	484249	7440733	776	SS00256	486072	7442717	827	SS00296	484782	7441780	868
	SS00176	484815	7441335	857	SS00216	484201	7440813	773	SS00257	486012	7442802	819	SS00297	484725	7441855	834
SS00178 484706 7441147 833 SS00218 484095 7440984 774 SS00259 485907 7442962 823 SS00299 484617 7442008 7	SS00177	484839	7441297	869	SS00217	484145	7440904	778	SS00258	485964	7442889	820	SS00298	484670	7441928	806
	SS00178	484706	7441147	833	SS00218	484095	7440984	774	SS00259	485907	7442962	823	SS00299	484617	7442008	791
SS00179 484644 7441221 844 SS00219 484036 7441073 774 SS00260 485852 7443062 828	SS00179	484644	7441221	844	SS00219	484036	7441073	774	SS00260	485852	7443062	828				



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Appendix 2. Location of new rock chip samples

Sample_#	East	North	RL
RK0052	484736	7441442	824
RK0053	484535	7441396	826
RK0054	484411	7441239	825
RK0055	484534	7441051	858
RK0056	484530	7441047	857
RK0057	484572	7440600	857
RK0058	483763	7441439	756
RK0059	485734	7442180	875
RK0060	485747	7442135	874
RK0061	485747	7442135	874
RK0062	485505	7442100	896
RK0063	485318	7442017	845
RK0064	485023	7441703	825



JORC Code, 2012 Edition – Table 1 report

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. 	 The instruments and parameters used for the VTEM survey are as follow: Drone Magnetics Data was collected by Pegasus Airborne Systems between 10th and 13th December, 2024. Orid Name Line Som Oongalabi Som Oo0-180 Soom O90-270 Structure Git3km Data collected with an unmanned rotary wing helicopter (PAS-H100) w/ autonomous flight control and terrain following system. Drone speed (15m/s), maximum vertical and horizontal deviation (5m), drone height (55m AGL), survey sensor height (35m AGL). Magnetic sensor (Scintrex CS-VL Cesium Vapour magnetometer), sensitivity (0.0006nT sq rt RMS), noise envelope (0.0002nT peak to peak), heading error (±0.25Nt).
		 Magnetometer counter sample frequency (260MHz), counter resolution (0.1pT).

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Criteria	JORC Code explanation	Commentary
		 GNSS Receiver (uBlox GNSS receiver w/ multiple constellation tracking, 10Hz output (20Hz capable), operating in autonomous mode at sub-metre accuracy. Laser Altimeter (100m range, 1cm resolution, 10cm accuracy, 360 readings per second). Diurnal Magnetometer (GEM Systems GSM19-F Overhauser Magnetometer), GNSS time-stamped, 0.01nT resolution, 0.1nT accuracy, 1Hz sample rate.
		Sentinel-2 data
		Sentinel-2 scene captured on 21 st October 2024.
		 Spectral features in the VNIR and SWIR and proprietary algorithms were used to estimate gasses (H2, O2, CO2, CH4 and Rn).
		 Gas estimates may be related to surface reflections by correlating them to a spectral unmixing of the image data cube. 16 unknown endmembers were assumed which were interpreted by correlation with a USGS spectral library of minerals measured in a laboratory.
		 A multivariate statistical classifier was trained on the anomalous Cu locations. Classification weights are:



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Criteria JORC Code explanation	Commentary
	 Copiapite/chalcopyrite is the largest weight followed by arsenopyrite, galena, calcite, chert, rhodochrosite and muscovite.
	 Soil Sampling Samples were collected on a 200m x 100m grid over the existing soil grid and the extended northeast and southwest of the
	original grid to cover known outcropping alteration and mineralization.



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Criteria	JORC Code explanation	Commentary
		 Soil samples were collected from the B-Horizon using a -80 Mesh sieve. Approximately 500g of material was collected in the field per sample. QAQC samples were inserted every 25 samples as per standard Litchfield sampling protocols.
		Silex 2008 Pole-Dipole IP Survey
		 Refer to Litchfield ASX Announcement dated 10th October, 2024 'Litchfield secures strategic copper gold base metals portfolio in NT Update'.
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).	 Not applicable as no drilling is reported.
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. 	 Not applicable as no drilling is reported.
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 	 Not applicable as no drilling is reported.



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Criteria	JORC Code explanation	Commentary
Sub-sampling techniques and sample preparation	 costean, channel, etc) photography. The total length and percentage of the relevant intersections logged. 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. 	Not applicable as no drilling is reported.
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 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. 	 Drone magnetics data processing Raw data was downloaded from the acquisition system to the data processor at the end of each flight Initial data quality control procedures were implemented to ensure navigation specifications were met. The diurnal base station data was checked to ensure survey flight coverage and for magnetic storm activity and cultural noise. Any out of specification sections of data were flagged and marked for re-flight. Data was then exported to a cumulative master processing database for further processing.



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Criteria	JORC Code explanation		Commentary
			 No editing or filtering of the recorded raw TMI data was carried out due to the inherent clean data. Base station diurnal data were suitably filtered to remove any high frequency content and then subtracted from survey data using common GNSS derived UTC time. After diurnal subtraction, the regional magnetic gradient was removed using the IGRF. A digital terrain model (DTM) was calculated by subtracting the laser altimeter height from the GNSS recorded height. 3D IP Inversion modelling The data was imported into a database, gridded and unconstrained 3D inversion modelling was completed on chargeability and resistivity data. The 3D inversion process is unconstrained, so there are no controls on the chargeability / resistivity that can be allocated by the inversion to each cell. The results of the IP inversion have been compiled in a Geoscience Analyst 3D project. This includes the 3D model in UBC voxel format and also iso-shells. Separately, depth slice images through the model are provided for display in 2D GIS.



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Criteria	JORC Code explanation	Commentary
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. 	 Magnetic data detailed in this report has been reviewed by Russell Mortimer at Southern Geoscience Consultants.
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. 	 See above for drone magnetics system precision and accuracy. Magnetic data were recorded using GDA94/UTM, Zone 53.
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. 	 Survey was flown at 50m line-spacing with 500m tie lines. Survey lines flown north-south, lie lines flown east-west.
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. 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. 	 Magnetic survey lines were oriented roughly perpendicular to known structure and stratigraphic controls.
Sample security	• The measures taken to ensure sample security.	 All magnetic data was collected under strict data security measures by Pegasus Airborne Systems.



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Audits reviews	or •	The results of any audits or reviews o	f sampling teo	chniques and	data.	 Magnetic data checks and processing reviews were undertaken daily and at the completion of the program by the contractor. Review of the magnetic and IP data was undertaken by an independent consultant Russell Mortimer at Southern Geoscience Consultants.

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. 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. 	 Tenement includes Oonagalabi (EL32279) and Silver Valley (EL32241). for a total of 145.3km² and 46 sub-blocks. EL32279 is owned by Kalk Exploration Pty. Ltd., a 100% owned entity of Litchfield Minerals Limited. Oonagalabi is located 125km northeast of Alice Springs on pastoral lease. The tenements are in good standing and there are no known impediments.
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	 Refer to Section 6 and 7 in Independent Geologists Report (IGR) by Ross et al., 2023 for further detail. A summary of previous exploration and mining is presented below: Oonagalabi was discovered in the 1930's. In 1970, Russgar Minerals completed regional mag-rad survey, VLF_EM survey, ground magnetic survey, single line resistivity traverse and 14 drillholes.



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Criteria	JORC Code explanation	Commentary
		 In 1971, Geopeko completed limited IP. 1979, Amoco completed photo-interpretation, rock chip sampling and drilling (8 holes). 1981 D'Dor Mining NL completed limited dipole-dipole IP. Silex 2009 completed pole-dipole IP 1 x diamond hole.
Geology	• Deposit type, geological setting and style of mineralisation.	 The Oonagalabi-type mineralisation is considered to be either sediment-hosted or carbonate replacement with potential for high-grade remobilised breccia zones similar to the Jervois deposit. EL32279 falls within one of Geoscience Australia's IOCG high potential zones. The project lies within the Harts Range that represents a package of multiply deformed and metamorphosed sedimentary and igneous intrusive rocks.
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 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 	 No drilling or assaying is reported in this report.



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Criteria	JORC Code explanation	Commentary
Data aggregation methods	 explain why this is the case. 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. 	• No drilling or assaying is reported in this report.
Relationship between mineralisatio n 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'). 	 No drilling or assaying is reported in this report.
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.	 See figures 1 – 4 above. Refer to Section 6 and 7 of the Independent Geologists Report (IGR) by Ross <i>et al.</i>, 2023.
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.	 Individual magnetic readings have not been reported, plans within this report provide an adequate overview of the drone magnetic data.



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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. 	 See the main body of this report for all pertinent observations and interpretations.
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. 	 Future planned exploration includes: Detailed ground gravity (100m x 50m) Pole-Dipole IP over chargeability pipe Diamond drill testing of key magnetic, gravity, chargeability, resistivity and geochemical anomalies.