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22 April 2024

New Large High Tenor Lithium Caesium Anomaly at Lady Grey Project

- A new large lithium soil anomaly with a strike of ~4km has been identified in the recently completed soil sampling programme
- Peak result of 454ppm Li₂O, with a total of 527 samples returning
 ≥150ppm Li₂O
- Covalent Lithium's (SQM & Wesfarmers, 50/50) Earl Grey Mine, 189Mt @1.53% Li2O¹ at Mount Holland located adjacent to Lady Grey Project displays similar spatial relationship to potential Lithium source granite as Godzilla Prospect, Figure 1
- Strong correlation between Lithium and Caesium (Cs) anomalism,
 supporting LCT type pegmatite potential, Figures 2 & 3
- Exploration work programmes targeting drilling mid year

Lanthanein Resources Limited (ASX: LNR) ("Lanthanein" or the "Company") is pleased to announce results from the recent tenement wide soil sampling programme at the Lady Grey Lithium Project ("Lady Grey") directly adjacent to Covalent Lithium's (SQM & Wesfarmers) Earl Grey Mine, 189Mt @1.53% Li $_2$ O 1 at Mount Holland in the Forrestania Greenstone Belt. The programme collected 1,893 samples and has delineated multiple lithium anomalies (Figure 1 and 2).

Mr Brian Thomas, Technical Director of Lanthanein commented: "The discovery of such a large coherent lithium geochemical anomaly at the new Godzilla prospect leads us to believe that we may be in the early stages of a large lithium discovery. The geological rationale points to lithium rich fluids migrating eastward into the 'goldilocks' zone ~2.5-3km east of the respective source granite dome. Our view is the northern granite is responsible for the hydrothermal lithium mineralising event that deposited Earl Grey's 189Mt mine, and we are seeing the geochemical fingerprints of another large lithium mineralising event associated with the southern granite. The southern granite located in middle western boundary of our tenement displays lithium anomalism extruding out all the way from the granite contact edge - east to our eastern tenement boundary and includes the sweet spot of 2.7km from source granite where our highest geochemical anomalism was recorded, like Earl Grey.



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We will now accelerate our work programmes and approvals processes to be drilling these targets mid-year."

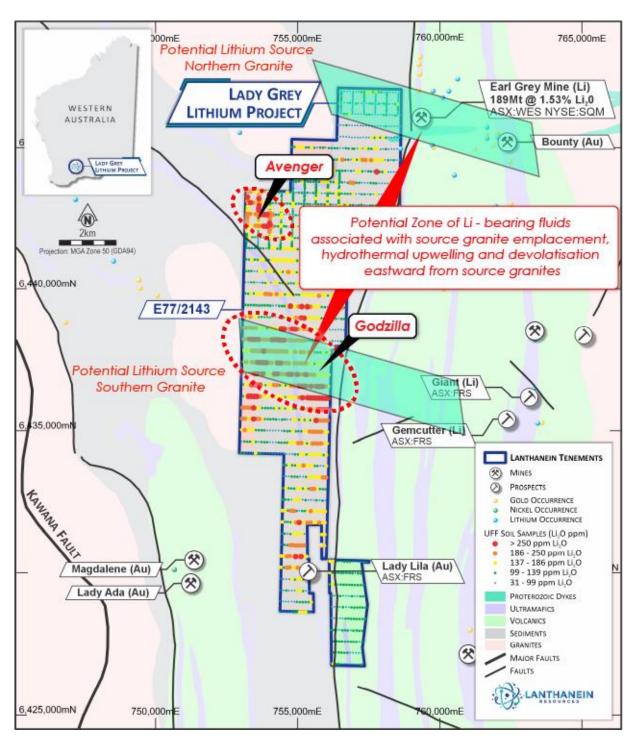


Figure 1: New lithium prospects Godzilla and Avenger, plus the identification of potential Li-bearing fluid eastward migration from source granite associated with the granite emplacement, hydrothermal upwelling and devolitisation.



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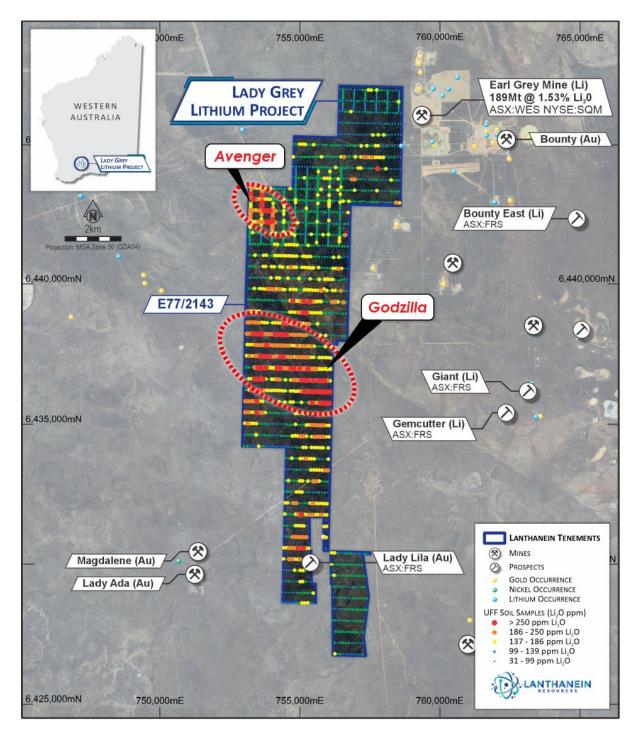


Figure 2: Completed Soil Sampling Grid for the Lady Grey Project adjacent to the Earl Grey Lithium Mine, highlighting the large Li₂O anomalism recorded at Godzilla and Avenger Prospects.

UltraFine+™ Soil Sampling Programme

The survey was completed on a minimum spacing of 400m x 100m, with a total of 1,893 soil samples collected.

Figures 2 and 3 show the soil anomalies delineated from the sampling results. The soil anomalies represent areas with > 180ppm Li_2O – considered highly anomalous using this soil sampling technique.



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Samples were assayed at LabWest Minerals Analysis Pty Ltd (LabWest) using the Ultrafine+ technique. Analysis used the $<2\mu m$ Ultrafine+ method for 53 elements including lithium and pathfinder elements such as caesium, tantalum, rubidium, niobium and tin.

UltraFine+ analysis is now an established approach to surface exploration analysis using proven geochemical methods to identify sensitive signals at surface, proving useful to help "see through" shallow to moderate cover. Concentration of metals in the ultrafine fraction gives stronger signals, generally well above instrumental detection limits, and increased signal-to-background ratios.

New Geochemical Anomalies

The high-priority soil anomalies are:

1. **Godzilla** – Coincident Lithium and Caesium, 4.3km² total area.

The trending anomalous zones are located on the edge of a large regional granite dome on the western area of Lady Grey Project, and lithium anomalism extends ~3km eastward. The dominant ESE trend is thought to reflect the migration of lithium rich mineralised fluids away from the source granite and into the greenstone host rocks and have potentially deposited Lithium minerals at a trap site that is commonly referred to as the 'goldilocks zone' approximately 2-4km from the source granite. If the northern granite is the source to the Earl Grey mine, then given the location of the northern granite is ~2.7km to the west of Earl Grey, the geological rationale to support another mineralising event associated with the southern granite at Godzilla Prospect is highly encouraging and makes for an extremely compelling drill target.

2. Avenger – Coincident Lithium and Caesium, 0.58km².

This anomaly is located in the northwest corner of the tenement covering an area $1.7 \text{km} \times 1 \text{km}$. Peak result of $340 \text{ppm Li}_2\text{O}$, this prospect displays consistent elevated Lithium values across the entire 0.58km^2 .

Significantly, all lithium soil anomalies have an association with elevated values for lithium pathfinder elements – particularly caesium. This further supports the presence of a LCT (lithium caesium-tantalum) pegmatite field that is prospective for lithium mineralisation.

The results of the latest soil survey are highly encouraging and emphasise the significant lithium prospectivity on the Lady Grey Project. These new soil anomalies represent compelling targets for drilling potential new discoveries. Extensions and in-filling to the current soil surveys are already planned to further delineate and add to the company's current lithium targeting, in conjunction with heritage surveys and drilling.

Both the anomalies, Godzilla and Avenger, when compared to the surface footprint of Earl Grey and the respective regional soil sampling campaign carried out by Kidman Resources²,³, Figure 4,), the Godzilla anomaly stands out as a key priority for follow up and further evaluation.



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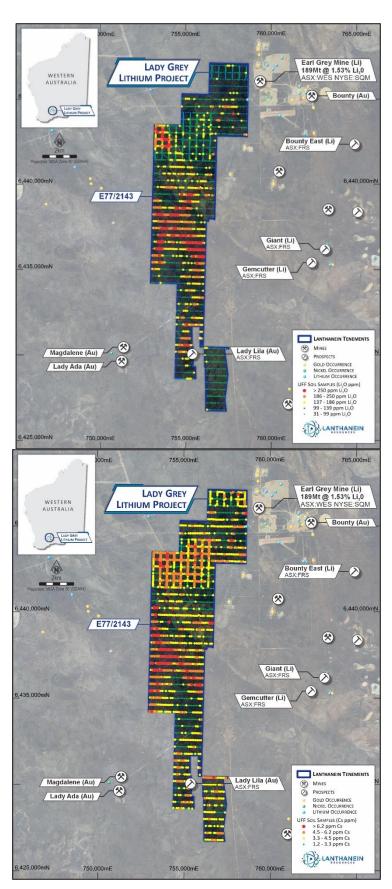


Figure 3: Caesium (Cs) and Lithium (Li₂O) geochemical results recording strong coincident Cs and Lithium geochemistry supporting potential for presence of LCT-type pegmatites.



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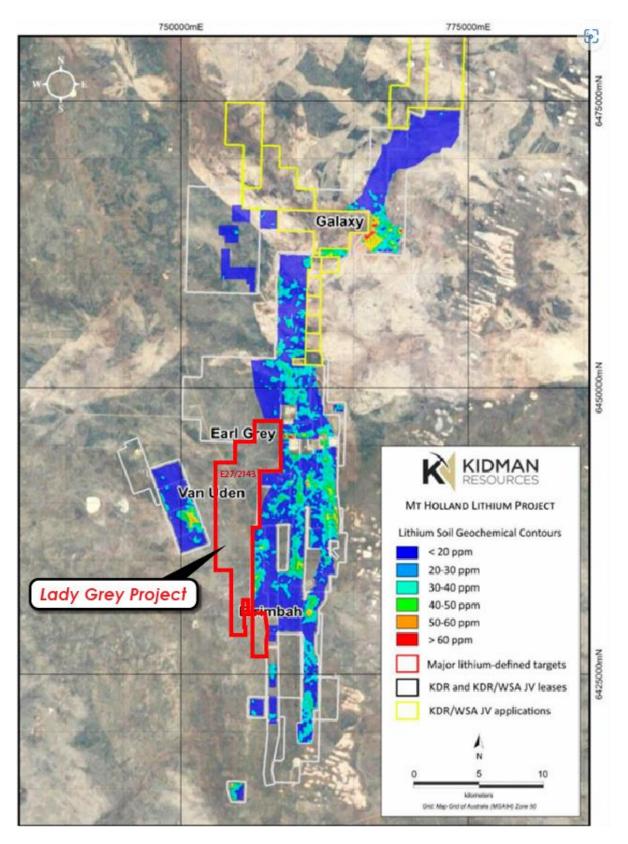


Figure 4: Earl Grey regional soil sampling campaign carried out by Kidman Resource showing >60ppm Lithium anomaly.

Source: https://www.researchgate.net/figure/Regional-soil-mapping-programme-to-delineate-lithium-anomalies-with-14-000-samples_fig3_361479416



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Table 1: List of assays > 200ppm Li₂O. GDA94 MGA Zone 50.

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SampleID	Easting	Northing	Li ₂ O_ppm	Cs_ppm
994	755963	6435787	454	6.21
989	755464	6435803	405	10
995	756061	6435785	366	6.01
200	757783	6444147	347	19.8
777	753432	6438252	342	6.82
407	753839	6442645	340	7.09
2084	754029	6442291	340	4.84
909	753689	6436645	336	7.42
1022	753460	6435450	336	6.63
907	753486	6436649	332	7.89
421	753928	6442239	329	5.58
325	753343	6443062	314	5.01
898	753501	6437048	312	7.71
992	755764	6435793	312	6.22
2031	753247	6443258	310	6.12
908	753586	6436649	308	5.86
943	755177	6436208	306	6.07
936	755875	6436189	304	5.35
906	753387	6436652	301	6.45
925	755284	6436605	301	6.05
931	755880	6436592	301	5.92
406	753938	6442642	299	4.18
788	754523	6438224	299	4.39
885	754789	6437021	299	6.67
854	754408	6437427	295	6.37
897	753596	6437048	293	7.63
2043	753652	6442949	293	5.93
934	756076	6436191	291	4.81
938	755673	6436194	291	5.67
1206	755063	6431806	289	4.08
935	755974	6436185	286	5.6
1242	754936	6430611	286	2.72
681	755158	6439408	284	3.91
755	754937	6438616	284	3.89
941	755374	6436204	284	4.55
969	753464	6435851	284	6.86
784	754121	6438232	282	5.06
927	755482	6436599	282	5.58
847	753706	6437446	280	6.62
2046	753639	6442801	280	10.2
776	753327	6438256	278	4.87
1240	755134	6430607	278	3.56



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SampleID	Easting	Northing	Li ₂ O_ppm	Cs_ppm
779	753628	6438243	276	6.78
849	753903	6437440	276	7.34
939	755577	6436198	276	7.03
2085	754027	6442341	276	5.4
756	754833	6438622	273	4.33
961	753382	6436256	273	5.35
420	753827	6442250	271	3.46
786	754328	6438234	271	4.14
848	753805	6437445	271	5.83
886	754694	6437020	271	5.66
993	755864	6435790	269	6.4
679	755353	6439404	267	3.4
787	754425	6438223	267	3.67
929	755685	6436591	267	5.24
723	755240	6439005	265	4.19
846	753603	6437450	263	5.98
923	755083	6436607	263	6.07
883	754994	6437013	261	5.02
1000	755656	6435396	261	4.42
2045	753643	6442856	261	6.3
722	755145	6439012	258	4.28
785	754239	6438237	258	4.01
930	755783	6436593	258	5.27
959	753576	6436250	258	5.64
962	753278	6436255	258	5.48
408	753737	6442647	256	5.71
685	754757	6439423	256	3.28
759	754542	6438618	256	4.11
833	753815	6437843	256	7.98
924	755186	6436604	256	8.25
960	753481	6436247	256	5.15
2039	753647	6443202	256	4.97
760	754436	6438627	254	3.17
778	753528	6438247	254	6
853	754303	6437432	254	7.02
880	755297	6437008	254	5.04
890	754297	6437034	254	5.55
891	754198	6437034	254	6.51
895	753796	6437042	254	6.68
940	755475	6436200	254	5.49
937	755775	6436193	252	5.72
775	753241	6438253	250	5.18



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SampleID	Easting	Northing	Li ₂ O_ppm	Cs_ppm
834	753720	6437847	250	6.48
861	755102	6437413	250	4.3
889	754392	6437029	250	4.41
1213	755767	6431796	250	3.18
2028	753245	6443114	250	3.95
2080	754018	6442034	250	3.94
409	753637	6442651	248	5.2
863	755304	6437406	248	4.01
922	754987	6436615	248	5.43
999	755752	6435393	248	4.57
1205	754965	6431807	248	3.26
405	754038	6442639	245	4.65
721	755047	6439009	245	3.96
830	754120	6437835	245	6.04
835	753617	6437847	245	6.52
1025	753158	6435460	245	6.8
1062	755635	6434596	245	3.24
1151	756003	6433387	245	2.58
2040	753651	6443153	245	5.28
882	755097	6437012	243	5.92
899	753395	6437051	243	6.16
996	756051	6435393	243	4.7
795	755236	6438207	241	2.79
828	754314	6437831	241	8.34
829	754219	6437832	241	6.91
832	753917	6437845	241	6.74
944	755075	6436211	241	4.86
781	753829	6438241	239	6.08
881	755196	6437014	239	4.54
928	755584	6436601	239	5.77
836	753516	6437848	237	5.21
879	755395	6437004	237	4.74
998	755852	6435392	237	5.79
1241	755030	6430607	237	4.23
780	753728	6438246	235	5.92
1230	754745	6431019	235	4.6
825	754617	6437826	233	5.32
1231	754843	6431015	233	4.16
2037	753658	6443306	233	4.48
419	753724	6442249	230	3.19
771	753338	6438661	230	6.6
2047	753644	6442758	230	6.99



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SampleID	Easting	Northing	Li ₂ O_ppm	Cs_ppm
181	757586	6444551	228	2.79
418	753624	6442248	228	2.22
827	754416	6437829	228	5.02
862	755204	6437407	228	3.91
884	754896	6437014	228	6.41
968	753364	6435851	228	5.11
1028	753150	6435058	228	4.92
179	757388	6444554	226	2.68
754	755031	6438614	226	3.3
774	753124	6438254	226	4.02
826	754517	6437826	226	5.34
851	754108	6437434	226	6.64
878	755496	6437005	226	4.4
942	755274	6436203	226	7.48
1063	755538	6434593	226	2.49
2044	753642	6442906	226	5.94
422	754027	6442243	224	2.6
678	755458	6439398	224	3.28
791	754828	6438213	224	4.26
896	753699	6437051	224	6.85
2041	753654	6443104	224	5.03
856	754603	6437425	222	6.41
1061	755735	6434593	222	2.84
1150	755901	6433387	222	2.73
1234	755142	6431005	222	3.69
2050	753637	6442555	222	5.59
322	753356	6443457	220	4.85
702	753147	6439062	220	10.2
855	754501	6437428	220	6.1
877	755591	6437001	220	4.04
921	754887	6436615	220	4.95
926	755383	6436606	220	5.29
965	753066	6435857	220	5.95
991	755664	6435796	220	5.27
1232	754945	6431009	220	3.85
404	754138	6442634	217	4.84
682	755052	6439408	217	4.2
772	753224	6438660	217	6.46
837	753414	6437851	217	4.47
850	754004	6437436	217	7.18
1053	755644	6434999	217	2.84
2030	753248	6443210	217	4.9



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Table 1: List of assays > 200ppm Li ₂ O. GDA94 MGA Zone 50.				
SampleID	Easting	Northing	Li ₂ O_ppm	Cs_ppm
2090	754033	6442591	217	5.69
831	754023	6437838	215	7.08
920	754784	6436618	215	3.4
2087	754031	6442439	215	5.54
328	753642	6443053	215	5.91
2038	753655	6443256	215	4.72
423	754124	6442238	214	3.3
1157	755492	6432998	214	4.11
1195	754872	6432213	214	1.97
1021	753559	6435449	214	4.5
793	755026	6438219	214	3.5
857	754704	6437421	213	5.61
376	758445	6442928	213	3.39
783	754028	6438236	213	4.32
671	756155	6439384	213	4.41
819	755216	6437807	213	5.21
2083	754026	6442198	213	3.54
1233	755036	6431006	213	3.13
2082	754022	6442146	213	4.8
2049	753633	6442602	211	5.69
1054	755744	6434991	211	2.68
859	754906	6437415	210	5.01
1052	755545	6434999	210	2.76
773	753137	6438656	210	5.57
997	755955	6435388	210	5.35
252	756860	6443774	209	4.64
751	755338	6438606	209	4.22
820	755116	6437809	209	3.21
1254	755018	6430211	209	3.57
789	754628	6438224	208	4.15
794	755129	6438204	208	3.51
845	753509	6437453	208	5.58
770	753423	6438655	208	7.26
171	756578	6444565	208	2.74
1128	755217	6433806	207	3.17
413	753233	6442666	206	4.75
792	754928	6438213	205	4.22
1189	755471	6432201	205	4.04
573	754683	6440629	205	3.68
769	753531	6438651	205	6.51
414	753220	6442262	204	4.33
2016	753226	6442413	204	3.17



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SampleID	Easting	Northing	Li ₂ O_ppm	Cs_ppm
590	756388	6440576	204	2.34
757	754736	6438617	204	4.54
822	754924	6437815	204	4.92
1020	753661	6435445	203	3.67
667	756556	6439372	203	6.72
988	755361	6435803	202	4.08
967	753269	6435856	202	4.71
932	755985	6436593	202	5.16
790	754740	6438217	201	4.53
1060	755836	6434589	201	2.99
860	755004	6437414	201	4.66
1156	755591	6432995	200	4.32



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This announcement has been authorised for release by the Directors of the Company.

For additional information please visit our website at www.lanthanein.com

LANTHANEIN RESOURCES LTD

The information referred to in this announcement relates to the following sources:

- ¹ David Chapman, Geoscience Australia, Australia Resource Reviews, Lithium 2018. Comprising 66Mt @ 1.58% Li₂O Measured, 106Mt @ 1.52% Li₂O Indicated and 17Mt @ 1.11% Li₂O Inferred.
- ² Kidman regional soil sampling: https://www.researchgate.net/publication/361479416_Recent_pegmatite-hosted_spodumene_discoveries_in_Western_Australia_insights_for_lithium_exploration_in_Australia_and _globally
- ³ GSWA Reference for Earl Grey pegmatite shapefile to measure surface area: https://warsydprdstadasc.blob.core.windows.net/downloads/Metadata_Statements/XML/AGP_Critical_Minerals_2021_CM06_geology_merged_rock_type_fertility.xml?ts=20240420070538

Competent Person's Statement

The information in this document that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr. Thomas Langley who is a member of the Australian Institute of Geoscientists (MAIG) and a member of the Australasian Institute of Mining and Metallurgy (MAusIMM). Mr. Thomas Langley is a Non-Executive Director of Lanthanein Resources Limited, and is a shareholder, however Mr. Thomas Langley believes this shareholding does not create a conflict of interest, and Mr. Langley has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Langley consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.

Forward Looking Statements

This announcement includes forward-looking statements that are only predictions and are subject to known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of Lanthanein, the directors and the Company's management. Such forward-looking statements are not guarantees of future performance.

Examples of forward-looking statements used in this announcement include use of the words 'may', 'could', 'believes', 'estimates', 'targets', 'expects', or 'intends' and other similar words that involve risks and uncertainties. These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions regarding future events and actions that, as at the date of announcement, are expected to take place.

Actual values, results, interpretations or events may be materially different to those expressed or implied in this announcement. Given these uncertainties, recipients are cautioned not to place reliance on forward-looking statements in the announcement as they speak only at the date of issue of this announcement. Subject to any continuing obligations under applicable law and the ASX Listing Rules, Lanthanein does not undertake any obligation to update or revise any information or any of the forward-looking statements in



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this announcement or any changes in events, conditions or circumstances on which any such forward-looking statement is based.

This announcement has been prepared by Lanthanein Resources Limited. The document contains background Information about Lanthanein Resources Limited current at the date of this announcement.

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JORC Code, 2012 Edition – Table 1 report template

Section 1 Sampling Techniques and Data

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

Crit	eria	JORC Code explanation	Commentary
San	npling hniques	 Nature and quality of sampling (eg 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 (eg '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 (eg submarine nodules) may warrant disclosure of detailed information. 	Soils: Each soil sample is taken from a manually excavated pit approximately 300mm deep (depending on the nature of the sampling medium). The loose material at the bottom of the pit is placed through a series of sieves, with the fine fraction of the 180micron sieve placed into pre-numbered paper geochemical sample envelope. The sample envelopes are then sent to a certified laboratory for assay. Soils: Each sample is sourced from the loose material at the bottom of the sample pit which is considered to be representative of the profile being targeted. Soils: A single sample are taken on a predetermined spacing and collected using uniquely numbered calico bags. Each sample collected for assay typically weighs 50g, and once dried, is prepared for the laboratory. Pulverisation further reduces the particle size with 90% of the material passing 75micron. The sample is then assayed using the peroxide fusion method. The Ultrafine method utilises the -2 micron clay fraction, all sample material above 2mm was screened off to ensure ample -2 micron material in the sample.
Drilli teci	ing hniques	Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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).	The results reported do not include drilling results.
	sample overy	 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 the results reported do not include drilling results.





Criteria

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Logging	 Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. The total length and percentage of the relevant intersections logged. 	Each sample is recorded for the lithology, type and nature of the soil. The surface topography and type is recorded at the sample location. The logging is both qualitive and quantitative in nature, with sample recovery and volume being recorded. Not applicable as the results reported do not include drilling results.
Sub- sampling techniques and sample preparation	 If core, whether cut or sawn and whether quarter, half or all core taken. If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. For all sample types, the nature, quality and appropriateness of the sample preparation technique. Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling. Whether sample sizes are appropriate to the grain size of the material being sampled. 	Not applicable as the results reported do not include drilling results. Soils samples: All samples were dry sieved and approximately 500 grams sampled in the field and bagged. No further subsampling is conducted. A 200g sample is considered appropriate for soil sampling; samples collected where more than adequate to generate a representative subsample aliquot. No QAQC are inserted within the submitted samples and are not deemed necessary for this stage of exploration. Internal laboratory QAQC measures are considered sufficient. The sample material is sourced from the bottom of the pits with efforts made to reduce the amount of surficial 'float' material entering the sample. Sieving of the sample helps to homogenise and reduce size fraction of the sample. The sample sizes are considered to be appropriate to screen for the geochemical signatures of base metal sulphide, gold and lithium pegmatite mineralisation and associated geology.
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 (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established. 	1,893 samples were sent to LabWest Perth using the UFF soil samples analysis method. Soil samples were submitted to LabWest – Perth for analysis and sample preparation including separation and collection of <180µm fraction. Gold and multielement analysis was done utilising LabWest's Ultrafine+ microwave digest with an ICPEOS/MS finish. Laboratory QAQC involves the use of internal lab standards using certified reference material (CRMs), blanks and pulp duplicates as part of in-house procedures.



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Criteria	JC	ORC 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.	All significant assay results have been verified against the results reported by Intertek in Perth. All primary data has been uploaded into the company's data storage with standard data entry protocols checked and verified by two experienced company personnel. An oxide conversion rate 2.1527 was used to convert from Lithium (Li ppm) to Lithium oxide (Li ₂ 0_ppm).
Location of data points	•	Accuracy and quality of surveys used to locate drill holes (collar and downhole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. Specification of the grid system used. Quality and adequacy of topographic control.	Sample points were determined by hand held GPS which is considered appropriate for the reconnaissance nature of the sampling. Co-ordinates are provided in the Geocentric Datum of Australia (GDA94) Zone 50.
Data spacing and distribution	•	Data spacing for reporting of Exploration Results. Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. Whether sample compositing has been applied.	The soil samples were taken at 100m intervals along the geochemical survey lines on an east-west direction. Survey lines were 400m apart (north -south spacing) Infill sampling completed over Avenger prospect and northern area consisted of 50m spacing intervals on a north-south direction, and 400m spacing survey lines (east-west). No compositing has been applied to the exploration results.
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.	The soil samples are taken at regular intervals, at a near perpendicular orientation to targeted geology (unless otherwise stated). However, the orientation of key structures may be locally variable and any relationship to potential mineralisation has yet to be identified. No orientation-based sampling bias has been identified in the data to date.
Sample security	•	The measures taken to ensure sample security.	Chain of Custody is managed by the Company until samples pass to a duly certified assay laboratory for subsampling and assaying. The sample bags are stored on secure sites and delivered to the assay laboratory by the Company or a competent agent. When in transit, they are kept in locked premises. Transport logs have been set up to track the progress of samples. The chain of custody passes upon delivery of the samples to the assay laboratory.
Audits or reviews	•	The results of any audits or reviews of sampling techniques and data.	Sampling techniques and procedures are regularly reviewed internally, as is the data. The soils programme has been reviewed by third parties and consultant geologists.



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Section 2 Reporting of Exploration Results

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

K	Criteria	JORC Code explanation	Commentary
1	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. 	Gondwana Resources Ltd tenements are located in the Yilgarn Shire, within the Yilgarn region of Western Australia. Tenement E 77/2143 is granted tenure. Tenements are located on the Mt Holland pastoral lease. Lanthanein is not aware of any existing impediments nor of any potential impediments which may impact ongoing exploration and development activities at the project sites.
5	Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	A search and compilation of historic exploration has been completed. Work included soil and rock sampling, geological mapping, and geophysical surveys.
	Geology	Deposit type, geological setting and style of mineralisation.	Potential for lithium-caesium-tantalum bearing pegmatite mineralisation. Lady Grey Project geological setting – Covalent Lithium's Earl Grey pegmatite deposit is located approximately 400m east of E77/2143 tenement boundary and dips gently to the north along a horizontal brittle fracture zone. The pegmatite was injected perpendicularly across the greenstone stratigraphic dip meaning a brittle structure has opened up across older sub-vertical greenstone stratigraphy and shear zones, then gap filled with a mineralised granitic-pegmatite sill which was later intruded across by two magnetic dolerite dykes.
	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 	Not applicable.





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	justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	
Data aggregation methods	 In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg 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. 	Not applicable.
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 (eg 'down hole length, true width not known'). 	Not applicable.
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.	Refer to figures within this report.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	The accompanying document is a balanced report with a suitable cautionary note.
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	All material results are reported in this release.



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	results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	
Further work	 The nature and scale of planned further work (eg 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. 	Further exploration work programs will be planned based on ongoing geochemical sampling, drill results, geophysical surveys and geological assessment of prospectivity.