

# SIGNIFICANT LITHIUM AND MT MARION-STYLE MINERAL ANOMALIES DISCOVERED AT HORSE ROCKS

## **HIGHLIGHTS**

- Three large and high priority lithium anomalies identified at Horse Rocks Lithium Project with significant Lithium (Li), Caesium (Cs) and Rubidium (Rb) in Geochem soils.
- Sampling confirms **LCT (Lithium, Caesium, Tantalum) pegmatites** plus significant indicator minerals over much of the tenure.
- First-pass geochemical sampling return grades up to 932ppm Li, 2850ppm Rb and 177ppm Cs from rock samples.
- Horse Rocks and Mt Marion (51.4MT @ 1.45%  $Li_2O$ ) share the same source granite within 8km's of each other (Figure 1).
- Lithium, Rubidium and Caesium indicators are commonly associated with fertile pegmatites.
- Geological mapping has identified further lithium bearing pegmatites, to be systematically explored in the coming weeks.
- Planning underway for follow up sampling and mapping to define drill targets for imminent initial drilling program.



Figure 1 - Horse Rocks project, location plan with lithium geochemical anomalies.



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#### **Commenting on the results, Managing Director Barnaby Egerton-Warburton:**

"We are extremely excited about the first stage exploration results at our Horse Rocks Project. Elevated near surface lithium and Mt Marion-style indicator mineral anomalies within the geochemical sampling, along with the significant lithium within rock samples is an excellent first step for the project. Aggressive exploration is planned for the coming months."

#### **NEXT STEPS**

The next phase of exploration at Horse Rocks is currently being planned to fully explore the newly identified lithium anomalies, with mapping and in-fill surface sampling to begin immediately. The Company is looking to vector down on lithium "hotspots" and refine drill targets for the next phase of exploration.

Lord Resources Limited (ASX: LRD) ("Lord" or the "Company") is pleased to announce the results from its first-pass exploration at Horse Rocks Lithium Project, located 20km south of Coolgardie, WA and within 8km's of Mineral Resources (ASX: MIN) Mt Marion Lithium Mine.

#### **Surface Geochemical Sampling**

A comprehensive surface geochemical sampling program was completed at the Horse Rocks Project, covering the entire tenement area. A total of 690 soil samples were collected via auger, from depths between 0.1m and 1.3m. Samples were collected on a 400m by 100m grid, with some areas infilled to 200m line spacing in areas of historically mapped pegmatites.

Peak values returned in the soils were 182ppm lithium (Li), 42ppm caesium (Cs) and 42ppm tantalum (Ta). The sampling has outlined seven distinct and significant geochemical anomalies, which display elevated levels in multiple elements, predominantly lithium, caesium, niobium, and tin. Prospectivity and fertility ratios suggest the presence of fractionated materials, particularly with the K/Rb vs Li ratio.

The results from the surface geochemical program, have identified highly prospective follow-up lithium targets over significant strike lengths, with the same elemental signatures that have been seen at known lithium mineralisation locations in Western Australia.

The soil geochemistry suggests that the pegmatite swarm is largely of the LCT (lithiumcaesium-tantalum) mineralisation type, the most significant for lithium deposits and what is commonly associated with economic occurrences of lithium and tantalum found in the Western Australian pegmatite districts.

Three priority 1 anomalies, and four priority 2 anomalies have been identified (Figure 2). The most significant anomaly is in the centre of the lease (Anomaly 1), situated on the hinge of an anticline, where the greenstone units have been folded. The anomaly covers approximately 1,400m x 700m, with coincident elevated Li, Cs and Be, and strong indication of fractionation with K/Rb ratios.

Anomaly 2 is situated on a prospective shear zone, between the mafic/ultramafic package and siliciclastic sediments.







Figure 2 - Horse Rocks plan view with significant Auger and rock chip sampling results overlain mapped pegmatites.



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## **RECONNAISSANCE MAPPING AND ROCK SAMPLING**

New lithium bearing pegmatites have been identified by the Lord Resources technical team during field reconnaissance and mapping, along with confirming previously reported outcropping pegmatites. Mapping has indicated that pegmatites are more prevalent than previous mapping has indicated. A total of 42 outcrop rock samples were collected and sent for multi-element analysis (Table 1).

Three of the pegmatite rock samples returned ratios that indicate a high degree of fractionation (K/Rb <20 & Nb/Ta <5), which implies these pegmatites have the potential to host LCT mineralisation.

Sample 22HR740 (412ppm Li, 165 Cs) was a pegmatite float sample collected from within the largest and highest priority geochemical anomaly. The highest lithium values returned was from sample 22HR720, with an assay of 932 ppm Li, 698ppm Rb and 177ppm Cs, from a sample of pegmatite (Figure 3).



Figure 3 - Pegmatite Rock samples (left) 22HR7220 - with 932ppm Li, 177ppm Cs AND (right) 22HR740 - 412ppm Li, 165ppm Cs.

#### - END -

This release is authorised by the Board of Directors of Lord Resources Limited.

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## **ABOUT HORSE ROCKS**

Located 23 km south of Coolgardie in Western Australia's Eastern Goldfields, the Horse Rocks Lithium Project comprises a 23.8km<sup>2</sup> exploration licence, 8km west of Mineral Resources' (ASX: MIN) Mt Marion Lithium Mine (51.4MT @ 1.45% Li<sub>2</sub>O).

The Horse Rocks Project lies within a folded portion of an isolated greenstone belt, within the Coolgardie Domain of the Yilgarn Craton. The greenstone belt is comprised of highmagnesium basalts, gabbroic sills and komatiite sequences. The granodiorite Depot Dome is to the immediate east of the greenstones and is the interpreted source of the many pegmatite intrusions within the tenure.

The Horse Rocks Project is considered prospective for pegmatite hosted lithium, nickel sulphide and orogenic gold mineralisation. Historical drilling has identified elevated nickel within the ultramafic sequences, along with gold anomalism in surface sampling. The lack of any exploration for lithium provides an untested conceptual opportunity for Lord Resources.



Figure 4 - Horse Rocks Lithium Project, located within the Bald Hill Lithium Super-Province





### **COMPETENT PERSON'S STATEMENT**

The information in this report that relates to exploration results is based on and fairly represents information compiled by Ms Georgina Clark, a Competent Person who is a Member of the Australian Institute of Geoscientists. Ms Clark is a full time employee of the Company. Ms Clark has sufficient experience that is relevant to the style of mineralisation and type of deposit 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"). Ms Clark consents to the inclusion in the report of the matters based on her information in the form and context in which it appears.

All parties have consented to the inclusion of their work for the purposes of this announcement. The interpretations and conclusions reached in this announcement are based on current geological theory and the best evidence available to the author at the time of writing. It is the nature of all scientific conclusions that they are founded on an assessment of probabilities and, however might be, they make no claim for absolute certainty. Any economic decisions which might be taken on the basis of interpretations or conclusions contained in this presentation will therefore carry an element of risk.

#### **ABOUT LORD RESOURCES**

Lord Resources is an exploration company with a highly prospective portfolio of future facing metals located within Western Australia's famed Greenstone belts and close to high profile and prolific historic and producing mines. Lord Resources' five largely unexplored projects provide exposure to lithium, nickel, PGE and gold sectors





Appendix	Α
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22HR715       340230       6554780       5       10       2.3       12.2       41       1.3       4.0       103       3       8       size gy qtz.         22HR716       340267       6556494       18       40       1.2       14.6       69       4.0       1.9       75       8       21       Peg subcrop. Weath         22HR717       339855       655662       45       97       1.8       4.9       12       2.3       0.5       113       9       24       V weath sub crop. Yeeg         22HR718       342395       6560912       13       27       5.5       13.4       184       6.1       1.8       88       7       29       subcrop. Next to ?Fv         22HR719       342555       6560364       932       2010       17.0       13.4       698       22.9       9.6       6       1       6       Peg float w lepidolite         22HR720       341425       6560351       40       86       1.2       1.5       10       4.7       0.3       180       5       33       From costean spoil         22HR721       341424       6560351       40       86       1.2       1.5       0.3       1.9 <t< td=""><td>22HR/14</td><td>340261</td><td>6554691</td><td>20</td><td>43</td><td>8.8</td><td>15.4</td><td>380</td><td>3.8</td><td>1.0</td><td>68</td><td>15</td><td>14</td><td>Peg subcrop Peg (but looks porphyritic).</td></t<>	22HR/14	340261	6554691	20	43	8.8	15.4	380	3.8	1.0	68	15	14	Peg subcrop Peg (but looks porphyritic).
22HR716         340267         6556494         18         40         1.2         14.6         69         4.0         1.9         75         8         21         Peg subcrop. Weath           22HR717         339855         6556662         45         97         1.8         4.9         12         2.3         0.5         113         9         24         V weath sub crop. ?peg           22HR718         342395         6560912         13         27         5.5         13.4         184         6.1         1.8         88         7         29         subcrop. Next to ?Fv           22HR719         34255         6560328         14         29         7.7         16.6         355         3.0         3.5         106         5         11         v. Weath pegn.           22HR720         341425         6560351         40         86         1.2         1.5         10         4.7         0.3         180         5         33         From costean spoil           22HR721         341424         6560351         11         82.2         1.5         10.3         1.9         96         2         6         mica           22HR722         341407         6560351         5	22HR715	340230	6554780	5	10	2.3	12.2	41	1.3	4.0	103	3	8	F.g white ground mass w cm size gy qtz.
22HR717       339855       6556662       45       97       1.8       4.9       12       2.3       0.5       113       9       24       V weath sub crop. ?peg         22HR718       342395       6560912       13       27       5.5       13.4       184       6.1       1.8       888       7       29       subcrop. Next to ?Fv         22HR719       34255       6560364       932       2010       177.0       16.6       355       3.0       3.5       106       5       11       v. Weath peg.         22HR720       341425       6560364       932       2010       177.0       13.4       698       22.9       9.6       6       1       6       Peg float w lepidolite         22HR721       341424       6560351       40       86       1.2       1.5       10       4.7       0.3       180       5       33       From costean spoil         22HR721       341424       6560351       11       24       0.4       3.2       15       0.3       1.9       96       2       6       mica         22HR722       341407       6560351       5       11       82.2       2.8       1865       3.2       0.	22HR716	340267	6556494	18	40	1.2	14.6	69	4.0	1.9	75	8	21	Peg subcrop. Weath
22HR718       342395       6560912       13       27       5.5       13.4       184       6.1       1.8       88       7       29       subcrop. Next to ?Fv         22HR719       34255       6560828       14       29       7.7       16.6       355       3.0       3.5       106       55       11       v. Weath pegmätite subcrop. Next to ?Fv         22HR720       341425       6560364       932       2010       177.0       13.4       698       22.9       9.6       6       1       6       Peg float w lepidolite         22HR721       341424       6560351       40       86       1.2       1.5       10       4.7       0.3       180       5       33       ?fot schist. D.gn, f/m gr. From costean spoil         22HR721       341424       6560351       11       24       0.4       3.2       15       0.3       1.9       96       2       6       mica         22HR722       341407       6560351       5       11       82.2       2.8       1865       3.2       0.9       36       3       11       costean. Peg ~10m in costean. Peg ~10m in costean.       costean       costean       costean       costean       costean       costean <td>22HR717</td> <td>339855</td> <td>6556662</td> <td>45</td> <td>97</td> <td>1.8</td> <td>4.9</td> <td>12</td> <td>2.3</td> <td>0.5</td> <td>113</td> <td>9</td> <td>24</td> <td>V weath sub crop. ?peg</td>	22HR717	339855	6556662	45	97	1.8	4.9	12	2.3	0.5	113	9	24	V weath sub crop. ?peg
22HR719       342555       6560828       14       29       7.7       16.6       355       3.0       3.5       106       5       11       v. Weath peg.         22HR720       341425       6560364       932       2010       17.0       13.4       698       22.9       9.6       6       1       6       Peg float w lepidolite         22HR721       341424       6560351       40       86       1.2       1.5       10       4.7       0.3       180       5       33       From costean spoil         22HR721       341424       6560351       40       86       1.2       1.5       10       4.7       0.3       180       5       33       From costean spoil         22HR722       341407       6560341       11       24       0.4       3.2       15       0.3       1.9       96       2       6       mica         22HR722       341407       6560351       5       11       82.2       2.8       1865       3.2       0.9       36       3       11       costean       costean         22HR723       341432       6560431       92       197       2.0       0.8       26       1.1       -0.	22HR718	342395	6560912	13	27	5.5	13.4	184	6.1	1.8	88	7	29	V. Weath pegmatite subcrop. Next to ?Fv
22HR720       341425       6560364       932       2010       177.0       13.4       698       22.9       9.6       6       1       6       Peg float w lepidolite         22HR721       341424       6560351       40       86       1.2       1.5       10       4.7       0.3       180       5       33       Peg float w lepidolite         22HR721       341424       6560351       40       86       1.2       1.5       10       4.7       0.3       180       5       33       Peg float w lepidolite         22HR722       341407       6560341       11       24       0.4       3.2       15       0.3       1.9       96       2       6       mica         22HR723       341432       6560341       11       24       0.4       3.2       15       0.3       1.9       96       2       6       mica         22HR723       341432       6560351       5       11       82.2       2.8       1865       3.2       0.9       36       3       11       costean       costean         22HR724       341551       6560431       92       197       2.0       0.8       26       1.1       -0.1 <td>22HR719</td> <td>342555</td> <td>6560828</td> <td>14</td> <td>29</td> <td>7.7</td> <td>16.6</td> <td>355</td> <td>3.0</td> <td>3.5</td> <td>106</td> <td>5</td> <td>11</td> <td>v. Weath peg.</td>	22HR719	342555	6560828	14	29	7.7	16.6	355	3.0	3.5	106	5	11	v. Weath peg.
22HR721       341424       6560351       40       86       1.2       1.5       10       4.7       0.3       180       5       33       From costean spoil         22HR721       341424       6560351       40       86       1.2       1.5       10       4.7       0.3       180       5       33       From costean spoil         22HR722       341407       6560341       11       24       0.4       3.2       15       0.3       1.9       96       2       6       mica         22HR722       341407       6560351       11       82.2       2.8       1865       3.2       0.9       36       3       11       costean. Peg ~10m in costean. Peg ~10m in costean.         22HR723       341432       6560351       5       11       82.2       2.8       1865       3.2       0.9       36       3       11       costean .Peg ~10m in costean.         22HR724       341551       6560431       92       197       2.0       0.8       26       1.1       -0.1       107       46       Looks barren         22HR725       341979       6560066       6       13       7.7       0.3       494       1.7       -0.1	22HR720	341425	6560364	932	2010	177.0	13.4	698	22.9	9.6	6	1	6	Peg float w lepidolite
22HR722       341407       6560341       11       24       0.4       3.2       15       0.3       1.9       96       2       6       mica         22HR722       341407       6560341       11       24       0.4       3.2       15       0.3       1.9       96       2       6       mica         22HR723       341432       6560351       5       11       82.2       2.8       1865       3.2       0.9       36       3       11       costean       Peg ~10m in         22HR724       341551       6560431       92       197       2.0       0.8       26       1.1       -0.1       107       46       Ukrs barren         22HR724       341551       6560466       6       13       7.7       0.3       494       1.7       -0.1       107       46       Ukrs barren         22HR725       341979       6560066       6       13       7.7       0.3       494       1.7       -0.1       124       31       Subcrop. Cream. Shiny. Flat         22HR726       341353       6559258       92       199       11.8       44.0       527       17.2       10.6       49       4       14	22HR721	341424	6560351	40	86	1.2	1.5	10	4.7	0.3	180	5	33	?Cht schist. D.gn, f/m gr. From costean spoil
22HR722       341407       6560341       11       24       0.4       3.2       15       0.3       1.9       96       2       6       mica         22HR722       341407       6560341       11       24       0.4       3.2       15       0.3       1.9       96       2       6       mica         22HR723       341432       6560351       5       11       82.2       2.8       1865       3.2       0.9       36       3       11       costean       Peg~10m in         22HR724       341551       6560431       92       197       2.0       0.8       26       1.1       -0.1       107       46       Looks barren         22HR725       341979       6560066       6       13       7.7       0.3       494       1.7       -0.1       107       46       Looks barren         22HR725       341979       6560066       6       13       7.7       0.3       494       1.7       -0.1       124       31       Subcrop. Cream. Shiny. Flat         22HR726       341353       6559258       92       199       11.8       44.0       527       17.2       10.6       49       4       14														White pegmatite in costean. Fresh. Hard qtz/fspar. No
22HR723       341432       6560351       5       11       82.2       2.8       1865       3.2       0.9       36       3       11       costean. Peg~10m in costean.         22HR724       341551       6560431       92       197       2.0       0.8       26       1.1       -0.1       107       46       Qtz, breccia, mylonite mafic. Looks barren         22HR725       341979       6560066       6       13       7.7       0.3       494       1.7       -0.1       124       46       Subcrop. Cream. Shiny. Flat surfaces         22HR726       341353       6559258       92       199       11.8       44.0       527       17.2       10.6       49       4       14       weath peg.?coarser part of surrounding granite?         22HR727       341629       6558675       28       59       2.4       19.8       115       3.2       1.4       70       14       14       pegmatite subcrop	22HR722	341407	6560341	11	24	0.4	3.2	15	0.3	1.9	96	2	6	mica Wh ?fspar & qtz. No mica. In
22HR724       341551       6560431       92       197       2.0       0.8       26       1.1       -0.1       107       46       Looks barren         22HR725       341979       6560066       6       13       7.7       0.3       494       1.7       -0.1       107       46       Looks barren         22HR725       341979       6560066       6       13       7.7       0.3       494       1.7       -0.1       124       31       Subcrop. Cream. Shiny. Flat surfaces         22HR726       341353       6559258       92       199       11.8       44.0       527       17.2       10.6       49       4       14       surrounding granite?         22HR727       341629       6558675       28       59       2.4       19.8       115       3.2       1.4       70       14       14       Pegmatite subcrop	22HR723	341432	6560351	5	11	82.2	2.8	1865	3.2	0.9	36	3	11	costean. Peg ~10m in costean
22HR725       341979       6560066       6       13       7.7       0.3       494       1.7       -0.1       124       31       Subcrop. Cream. Shiny. Flat surfaces         22HR726       341353       6559258       92       199       11.8       44.0       527       17.2       10.6       49       4       14       Weath peg. ?coarser part of surrounding granite?         22HR727       341629       6558675       28       59       2.4       19.8       115       3.2       1.4       70       14       14       Pegmatite subcrop	22HR724	341551	6560431	92	197	2.0	0.8	26	1.1	-0.1	107		46	Qtz, breccia, mylonite mafic. Looks barren
22HR726       341353       6559258       92       199       11.8       44.0       527       17.2       10.6       49       4       14       Weath peg. ?coarser part of surrounding granite?         22HR727       341629       6558675       28       59       2.4       19.8       115       3.2       1.4       70       14       14       Pegmatite subcrop	22HR725	341979	6560066	6	13	77	03	494	17	-0 1	124		31	Subcrop. Cream. Shiny. Flat
22HR727         341629         6558675         28         59         2.4         19.8         115         3.2         1.4         70         14         14         Pegmatite subcrop	22HR726	3/1353	6559258	92	100	11.8	44.0	527	17.2	10.6	19	1	1/	Weath peg. ?coarser part of
	22HR727	341629	6558675	28	59	2.4	19.8	115	3.2	1.4	70	14	14	Pegmatite subcron
22HR728   341357   6558487   26   56   2.5   16.8   70   2.9   1.4   51   12   23   Weath peg subc.	22HR728	341357	6558487	26	56	2.5	16.8	70	2.9	1.4	51	12	23	Weath peg subc.
22HR729 338916 6565256 14 29 15.5 3.3 1190 2.1 0.8 50 4 12 of draw Program	22HR729	338916	6565256	14	29	15 5	22	1190	2 1	 0.8	50		12	?peg float. Was buried.bands
22H0720         220086         6557/20         16         24         8.0         9.1         706         2.1         0.0         50         4         12         0.12 bit (star)           22H0720         220086         6557/20         16         24         8.0         9.1         706         2.5         0.0         50         4         12         of d2 witspar	22111723	220006	6557420	16	23	0 0	0.1	706	2.1	0.0	50 E0	10	12	Float. White w gy qtz. No
221R730 335500 3357435 10 34 6.5 5.1 750 2.5 0.5 35 10 15 micalent.	2211R730	340044	6557486	60	128	0.9 7 3	9.1 11 4	361	<u> </u>	1 1	65	10	13	Peg subcron
22Hp722         240050         6557561         8         18         224         16         992         20         0.2         62         0         11         14         registrop           22Hp722         240050         6557561         8         18         224         1.6         992         2.0         0.2         62         0         16         training	22111/31	240050	6557561	00	10	,., ,.,	1 6	000	- <del>-</del> .2	0.2	 		14	Subcrop. White mineral &
22HR733 340038 6557691 37 81 18.8 10.2 1095 4.5 2.4 51 4 9 White N/strike Subcrop	22HR733	340038	6557691	37	81	18.8	10.2	1095	4.5	2.4	51	4	d T0	yız. No muser White N/strike Subcrop





Sample	East	North	Li ppm	Li2O ppm	Cs ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm	K/Rb	Nb/Ta	Zr/Hf	Comments
22HR734	340479	6558078	9	18	13.1	28.1	576	1.1	7.9	41	4	10	Not any musc. Has rectangle mineral. Softer than qtz
22HR735	339906	6558121	84	180	5.0	29.5	144	7.2	7.0	28	4	12	Highly weath pegmatite subcrop
22HR736	339869	6558275	24	52	55.7	2.2	1410	3.8	0.4	45	5	22	White mineral & banded quarts. Minor musc
22HR737	339888	6559245	21	44	44.3	11.0	1765	2.9	5.7	27	2	10	Little muscovite.
22HR738	340261	6559257	29	62	173.5	1.6	2850	3.3	1.6	17	1	5	Subcrop on hill. Float down the hill. Musc/q/white mineral
22HR739	340299	6559096	19	41	9.0	5.1	391	0.6	4.8	53	1	7	Small Subcrop surrounded by Md. No musc. Just qtz & wh mineral.
22HR740	340199	6559040	412	887	165.5	0.4	2330	5.7	0.1	18	5		Subcrop/float. Has some green mineral. And maybe pinkish
22HR741	340174	6558744	85	183	148.5	1.2	1690	5.0	0.3	35	4		Large peg subcrop. Mainly wh mineral ?fspar
22HR742	340076	6558448	21	45	32.7	2.0	1345	3.7	0.6	33	3	19	Subcrop. Mainly white mineral

Table 1 Rock sample details and assays





# Appendix B JORC Code Table 1

Section 1 Sampling Techniques and Data

Criteria in this section apply to all succeeding sections

Criteria	JORC Code explanation	Commentary
Sampling	Nature and quality of sampling	Results in this document refer to rock sampling and geochemical
techniques	(e.g. cut channels, random chips,	soil sampling
	standard measurement tools	
	appropriate to the minerals under	Rock Sampling
	investigation, such as down-hole	• Rock samples were collected as grab samples from in-situ
	gamma sondes, or handheld XRF	outcrop, based on visual analysis.
	instruments, etc.). These	• Rock samples offer an indication of mineralisation at a specific
	examples should not be taken as	location
	sampling.	<ul> <li>Rock sample sizes varied from 0.5kg to 2kg.</li> <li>Locations were collected using hand-held GPS</li> </ul>
	Include reference to measures	• Eocations were collected using hand-field of 5
	taken to ensure sample	Soil Sampling
	representivity and the	• Soil sampling is a reconnaissance stage technique and offers an
	appropriate calibration of any	indication of the tenor of underlying mineralisation
	used.	• Soil samples were collected by mechanical auger mounted to a
	Aspects of the determination of	depth of 1 1m
	mineralisation that are Material to	• Approximately 500g of material from the deepest sampled
	the Public Report. In cases where	material was passed over a 2mm sieve, with the -2mm fraction
	'industry standard' work has been	sent for analysis.
	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	
	coarse gold that has inherent	
	sampling problems. Unusual	
	commodities or mineralisation	
	types (e.g. submarine nodules)	
	may warrant disclosure of	
Drilling	Drill type (e.g. core reverse	No drilling activities are being reported
techniques	circulation, open-hole hammer,	• No uning activities are being reported
	rotary air blast, auger, Bangka,	
	sonic, etc.) and details (e.g. core	
	diameter, triple or standard tube,	
	aepth of diamond tails, face-	
	whether core is oriented and if so	
	by what method, etc.).	





Criteria	JORC Code explanation	Commentary
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.	No drilling activities are being 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 costean, channel, etc.) photography. The total length and percentage of the relevant intersections logged.	No drilling activities are being reported
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.	<ul> <li>Both soil and rock samples were prepared at the ALS geochemical laboratory in Perth.</li> <li>Rock samples were dried and crushed to 2mm.</li> <li>The entire sample was pulverised to 90% passing 75um, and a reference sub-sample of approximately 200g retained.</li> <li>All samples underwent multi-element analysis by 0.5g 4 acid digest with Mas Spec finish (ME-MS61)</li> </ul>





Criteria	JORC Code explanation	Commentary
Criteria Quality of assay data and laboratory tests Verification of sampling and assaying	JORC Code explanation 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. 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.	<ul> <li>Four acid digest and ICP-MS analysis is considered a near total method for the 61 elements assayed. The method is considered appropriate for baseline exploration geochemistry.</li> <li>No geophysical or handheld XRF data is being reported.</li> <li>Two Field Standards (CRM's) were inserted within the sample sequence.</li> <li>At the Assay Laboratory additional Repeats, Lab Standards, Checks and Blanks are analysed concurrently with the field samples.</li> <li>Results of the field and Lab QAQC samples were checked on assay receipt, with no bias detected.</li> </ul>
Location of data points	Discuss any adjustment to assay data 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.	<ul> <li>The sample positions were surveyed using a hand-held GPS.</li> <li>Accuracy is generally in the range of +/- 5m for E/N and +/- 10m for RL.</li> <li>All coordinates were recorded in GDA94 z50.</li> <li>There has been no topographical control applied.</li> </ul>
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.	<ul> <li>The sample spacing of soil samples is suitable for the reporting of exploration results.</li> <li>Soil sample results are not utilised in Mineral Resource Estimates.</li> <li>Sample compositing has not been applied.</li> </ul>





Criteria	JORC Code explanation	Commentary
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 sampling is believed to be unbiased in regard to orientation of the geology.
Sample security	The measures taken to ensure sample security.	• Samples were submitted in pre-numbered envelopes and transported to the laboratory in Perth for assaying by LRD personnel.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	<ul> <li>Sampling and assaying techniques are industry-standard. No specific audits or reviews have been undertaken at this stage in the program</li> <li>The results of this drill program were reviewed by LRD senior management.</li> </ul>

## Section 2 Reporting of Exploration Results

## Criteria in this section apply to all succeeding sections

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	<ul> <li>The Horse Rocks Project, consists of one Exploration Licence Application E15/1770, covering 32.4km<sup>2</sup> and is located approximately 16km south of Coolgardie, Western Australia. It is readily accessible from Coolgardie is via the sealed Coolgardie- Esperance highway and thereafter northwards along the unsealed fence lines and historic drilling tracks.</li> <li>The Project is within the Yallari Timber Reserve. A Conservation Management Plan (CMP) has been approved by the Environment Minister and is attached as a tenement condition.</li> </ul>
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	<ul> <li>The majority of past exploration work within the project area including drilling, surface sampling; geophysical surveys, geological mapping has been largely complete in the 1970's by Carpentaria Exploration, and 1990's MPI and Newcrest.</li> <li>The reports are available on the West Australian Mines Department WAMEX open file library.</li> </ul>
Geology	Deposit type, geological setting and style of mineralisation.	<ul> <li>The Project lies on the Coolgardie Domain, of the Kalgoorlie Terrain, within the Eastern Goldfields Supergroup, which is part of the Yilgarn Craton. The dominant geological feature of the tenure is an anticlinal folded portion of an isolated Archaean greenstone belt, between the Nepean-Coolgardie belt and the Saddle Hills-Spargoville belt. The greenstone unit has been metamorphosed to upper greenschist to mid-amphibolite facies.</li> <li>The Depot Dome intrusion is located to the east of the tenure. The Depot Granodiorite is a medium- to coarse grained hornblende leucogranodiorite-tonalite, with moderate to strong shearing. This discrete granitoid dome is the interpreted source.</li> </ul>



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Critoria	IOPC Code explanation	Commontany
Drillhole	A summary of all information material to the understanding of the exploration results including a tabulation of the following	<ul> <li>for pegmatites intrusions which host the Mt Marion Lithium Mine. Pegmatites have been historically mapped within the greenstone sequence, but the lithium potential has not been determined.</li> <li>There are two east-north-easterly trending Proterozoic dykes bisecting the project area, the northern of which labelled the Celebration Dyke.</li> <li>The north trending Kunanalling Shear Zone passes through the Horse Rocks Project. The Ghost Crab - Mount Marion gold deposits are spatially associated with this shear zone.</li> <li>No drilling is being reported in this document</li> </ul>
	information of the following information for all Material drillholes: easting and northing of the drillhole collar elevation or RL (elevation above sea level in metres) of the drillhole collar dip and azimuth of the hole down hole length and interception depth hole length.	
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated. Where aggregate intercepts incorporate short lengths of high- grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. The assumptions used for any reporting of metal equivalent values should be clearly stated.	<ul> <li>No cut off grades have been applied</li> <li>No top cuts have been applied.</li> <li>No metal equivalent values have been used.</li> </ul>
Relationship between mineralisation widths and intercept lengths	If the geometry of the mineralisation with respect to the drillhole 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').	• The geometry of mineralisation is unknown
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	• Refer to figures in this announcement.





Criteria	JORC Code explanation	Commentary
	of drill hole collar locations and appropriate sectional views.	
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 report has been prepared to summarise the material results of geochemical program.
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.	• All material results from exploration at Horse Rocks have been disclosed in this announcement.
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).	<ul> <li>Further geochemical sampling and mapping is planned to refine drill targets</li> </ul>