ASX Announcement

14 July 2023

EXCELLENT LITHIUM DRILL TARGETS EMERGE AT LOCKIER RANGE

Odessa Minerals Limited (ASX:ODE) ("Odessa" or the "Company") advises that it has received and reviewed the multi-element analysis results for a **systematic soil sampling program** from the Lockier Range project located in the Gascoyne region of Western Australia. Using lithium and lithium pegmatite pathfinder elements this work has revealed four well-defined and compelling drill targets.

Highlights:

Two well defined drill targets for lithium at >2 to 4 times the background levels[1] have now been identified at Lockier Range and include:

- **Robinson Bore - Pegmatite Targets**
  - ~4km by ~2km target zone
  - **High lithium in soils** coincident with high pegmatite pathfinder elements **(Be-Bi-Cs-Rb-Ta)**
  - Coincident potassium radiometric anomalies
  - Immediately SW of the Cairn Hill historic pegmatite workings (Minerals 260 Ltd)
  - Only 2.5km from the contact of the fertile Thirty-Three Supersuite granitoids
  - 8.5km SW of Delta Lithium's recent Jamesons Lithium Pegmatite discovery[2]
- **Eastern Pegmatite Targets**
  - ~2km by ~1km target area
  - Coincident potassium radiometric anomalies
  - **High lithium in soils** with high pegmatite pathfinder elements (**Cs-Bi-Be-Rb**)
  - Directly on the margin of the fertile Thirty-Three Supersuite granitoids

Two additional targets demanding further investigation include:

- **Southern Pegmatite Field**
  - ~3km x ~2km target area
  - Coincident potassium radiometric anomalies
  - Anomalous pegmatite pathfinders elements including **Nb-Ta-Sn-Rb-Be**
  - Numerous mapped pegmatites with previous results up to 207ppm Li_2O in rock sampling[3]
- **Mt Yaragner Pegmatite**
  - Anomalous pegmatite pathfinders elements including **Be-Sn-Ta**
  - Proximal to the mica pegmatite which returned 407ppm Li_2O in rock sampling[3]

Odessa's **Lockier Range Lithium** and Rare Earth Element ("REE") Project covers a **large area** of 125km^2 within its substantial **Gascoyne** tenement package of +3,000 km^2; and is ideally located:

- ~8.5km southwest of Delta Lithium's "Jameson" lithium pegmatite discovery
- ~15km west of Reach Resources' "Morrissey Hill" lithium pegmatite discovery
- ~25km west of Delta Lithium's "Yinnetharra" lithium pegmatite discovery
- ~40km west of Voltaic Strategic Resources' pegmatite discovery
- ~60-70km south of Hastings Technologies' and Dreadnought Resources' rare earth projects

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[1] Background levels for **soil sampling** on the project are typically 10-25ppm Li and have an average of 20ppm Li in soils, with a standard deviation of 5.22ppm. Anomalies defined as >2 standard deviations greater than the mean, >30ppm Li. Peak value of 87.7ppm Li = 188ppm Li2O.

[2] Delta Lithium (nee Red Dirt Metals) ASX announcement dated 2 April 2023 – "Scale of Yinnetharra Project continues to grow."

[3] Refer previous announcement dated 25 May 2023

David Lenigas, Executive Director of Odessa, said:

"These lithium soil results, particularly with strong pathfinder elements, are excellent and continue to improve the prospectivity of our Lockier Range Project. The standouts are the Robinson Bore and Eastern Pegmatite target areas, which are in close proximity to the all-important Thirty-Three Supersuite granitoid. Based on the other recent lithium discoveries by Minerals 260 and Delta Lithium, the tenor of Lithium targets we have identified on Lockier Range's eastern flank look very compelling as high priority drill targets. Further interrogation and interpretation of the multi-element analysis, just received, is underway to assess the rare earth targets on Lockier Range and will be released in due course."

The Lockier Range Project consists of a single 125km^2 Exploration License (E09/2649). Previous work[4] includes historic stream sediment sampling showing the project to be highly anomalous in Lithium pegmatites and REE indicator elements.

The Lockier Range Project is located in the highly sought-after Gascoyne region of Western Australia and is in close proximity to significant recent lithium/pegmatite discoveries by Delta Lithium Ltd (ASX:DLI), Voltaic Strategic Resources (ASX:VSR) and Reach Resources (ASX:RR1). Furthermore, the project lies in a north-south corridor of REE carbonatite discoveries by Hastings Technologies Ltd (ASX:HAS); Dreadnought Resources Ltd (ASX:DRE) and Kingfisher Mining Ltd (ASX:KFM) (Figure 1, Figure 8).

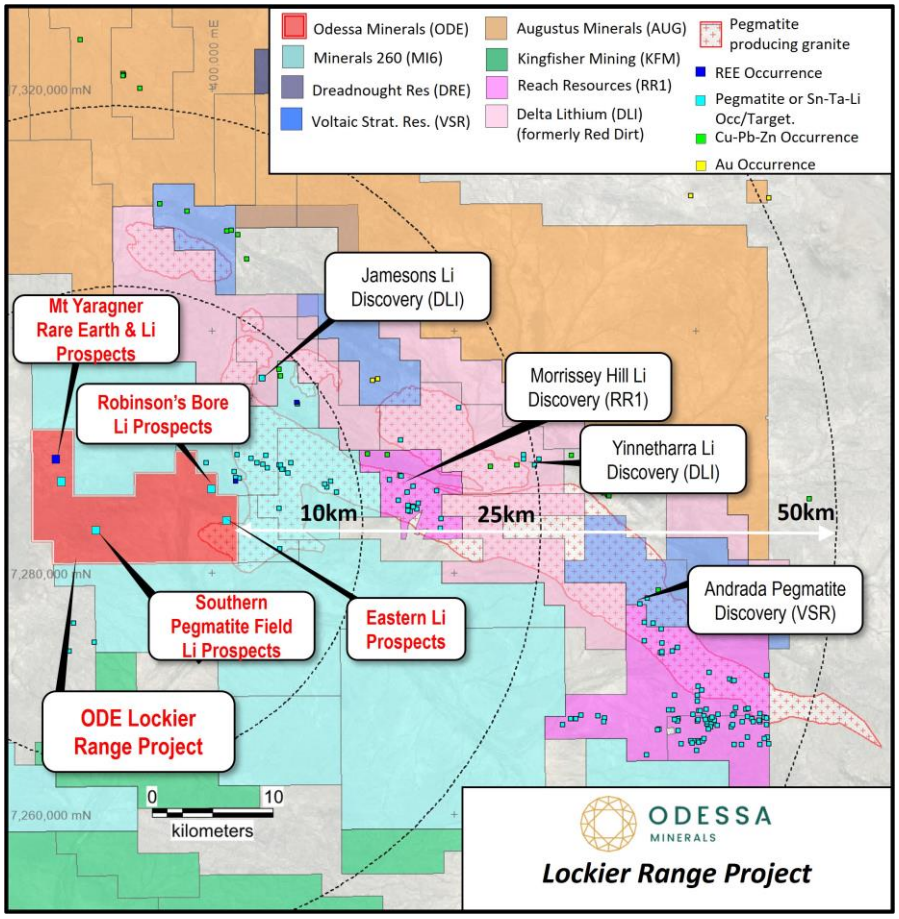

Figure 1 - Lockier Range Project, proximal to the emergent Gascoyne lithium pegmatite province.

[4] Odessa ASX announcement dated 25 October 2022

Lithium Pegmatite Targeting

The Lockier Range Project is intruded by the Thirty-Three Supersuite granitoids, which are considered as the source granitoid of the lithium-bearing pegmatites recently discovered by other companies in this region (refer to discoveries by Delta Lithium Ltd[5], Reach Resources Ltd[6] and Voltaic Strategic Resources Ltd[7]). Furthermore, a recent magnetic survey by the Company has revealed a zoned elliptical granite which possibly represents an additional source of pegmatite intrusions.[8]

During previous regional reconnaissance work, a number of pegmatites have been observed and sampled with results up to 407ppm Li_2O.[9] The Company recently completed a **systematic gridded soil program** of 1010 samples (plus duplicates and standards) at between 200 and 400m spacing. These results have indicated strong discrete zones of lithium and, ***most importantly***, ***lithium pathfinder elements*** including caesium (Cs), beryllium (Be), niobium (Nb), rubidium (Rb), tantalum (Ta), tin (Sn) and bismuth (Bi). These zones will be targeted for further work (Figure 2, Figure 3).

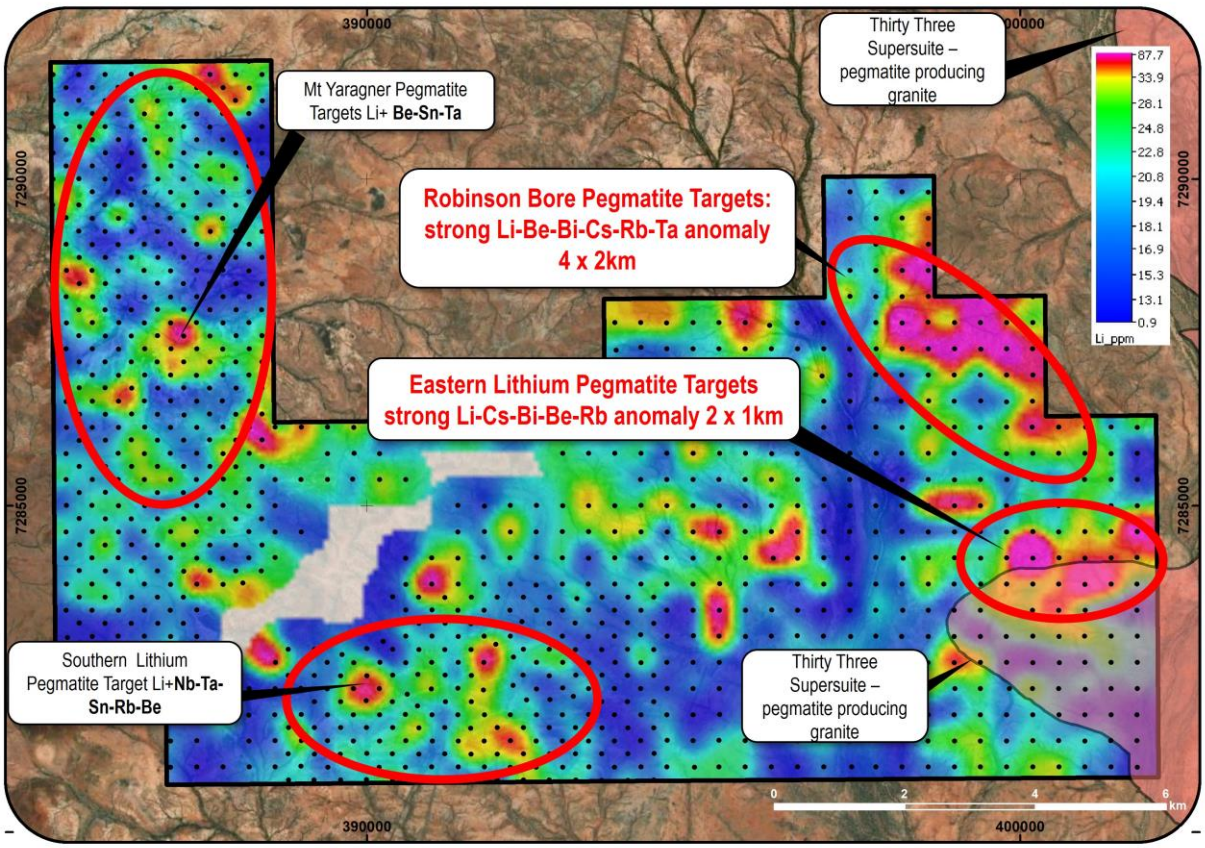

Figure 2 - Gridded lithium in soils data for the Lockier Range Project (MGA94 Zone 50).

[5] Delta Lithium ASX announcement dated 8 May 2023 – "Further shallow thick high-grade Lithium from Yinnetharra"
[6] Reach Resources ASX announcement date 15 May 2023 – "HIGH GRADE LITHIUM RESULTS AT YINNETHARRA"
[7] Voltaic Strategic Resources ASX announcement date 9 May 2023 – "Ti Tree Project Maiden Drill Campaign Update – significant width pegmatites intercepted from surface"
[8] Odessa ASX announcement dated 25 May 2023.
[9] Odessa ASX announcement dated 25 May 2023.

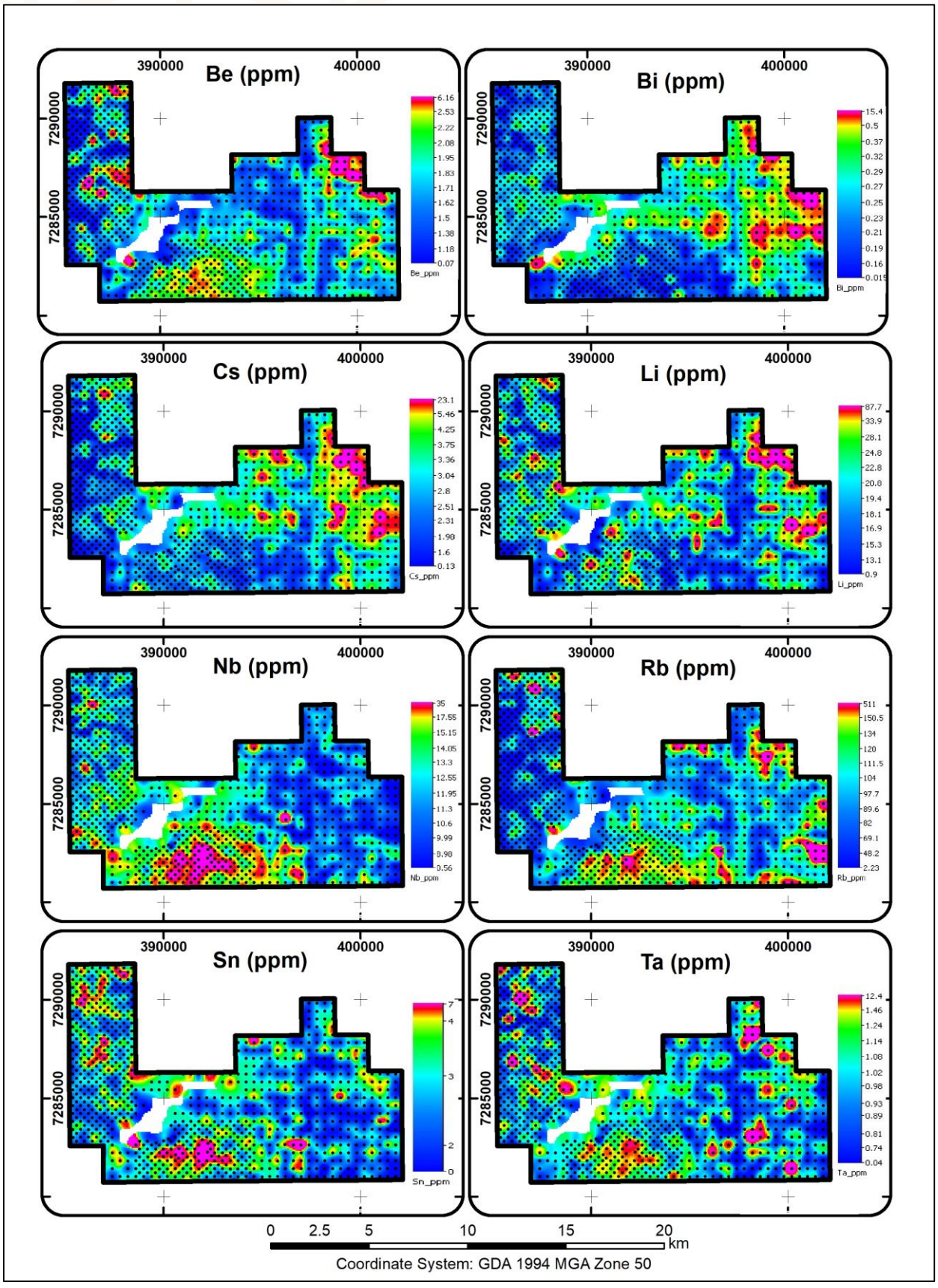

Figure 3 - Gridded lithium and lithium pathfinder elements in soil sampling.

Robinsons Bore Pegmatite Targets

The Robinsons Bore pegmatite targets are located in the northeast of the project area and are approximately 2.5km west of the Thirty Three supersuite granitoids, and immediately SW of the historic Cairn Hill pegmatite mining area noted for beryl (a Be mineral) and columbite (a Nb mineral) occurrences. The prospect area is also located 8.5km SW of the Jamesons spodumene (Li) discovery by Delta Lithium Ltd.

The target area has been defined as a NW-SE corridor with coincident soil anomalism in Li-Cs-Ta-Be-Rb: a common association with lithium bearing pegmatites (Figure 4). Satellite imagery indicates that potential pegmatites strike N-S and there is a strong association with potassium in radiometric data.

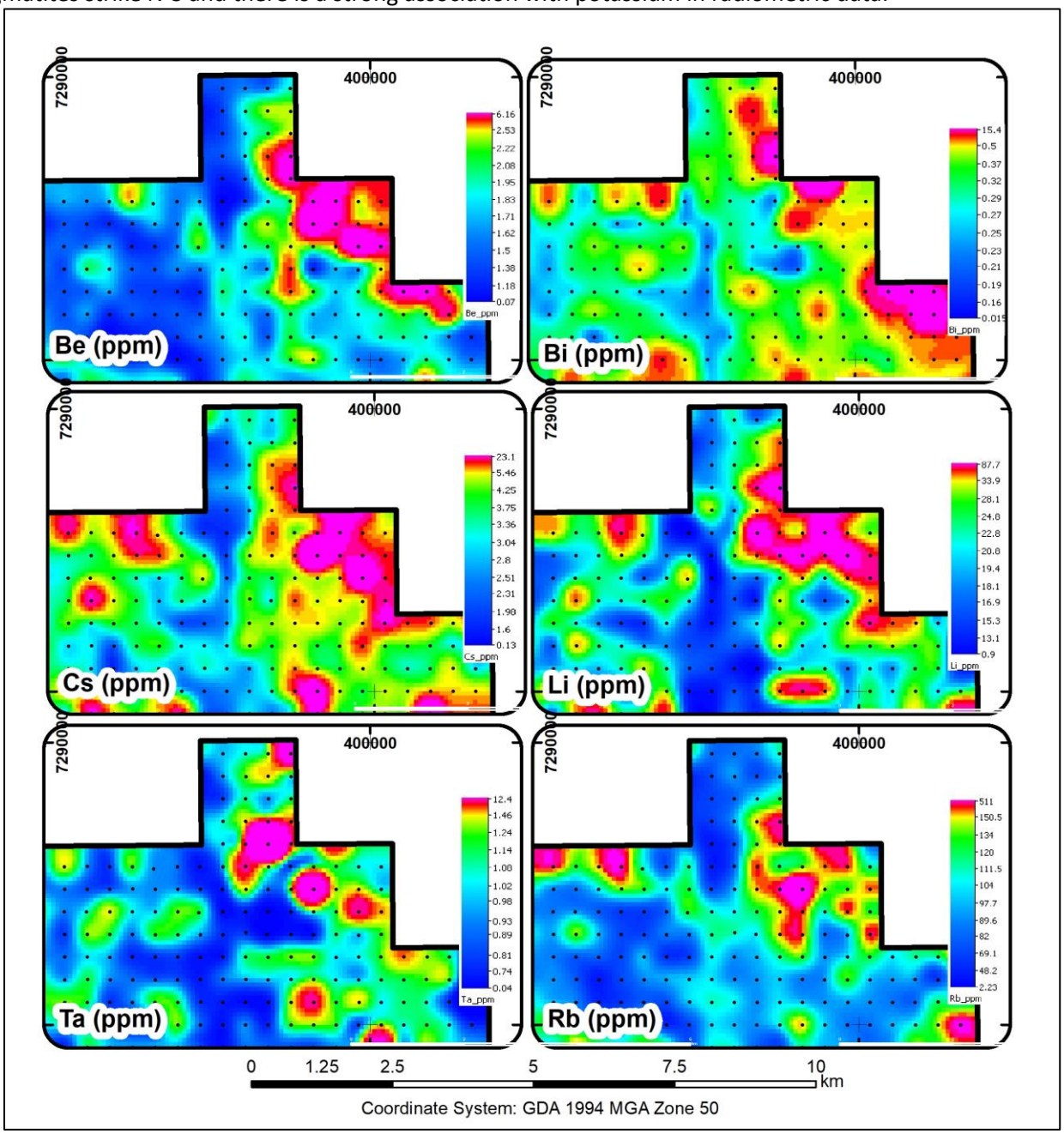

Figure 4 - Robinson's Bore target area shows coincident lithium and lithium pathfinder (Be-Bi-Cs-Ta-Tb) element anomalism.

Eastern Pegmatite Targets

The Eastern pegmatite targets are located directly on the margin of the important Thirty-Three Supersuite granitoids, with a strong association between lithium-caesium-bismuth (Figure 5) with a separate tantalum anomaly to the west. The area has not been mapped in detail, though potassium radiometric anomalies indicated a WNW-ESE strike of the potential pegmatites.

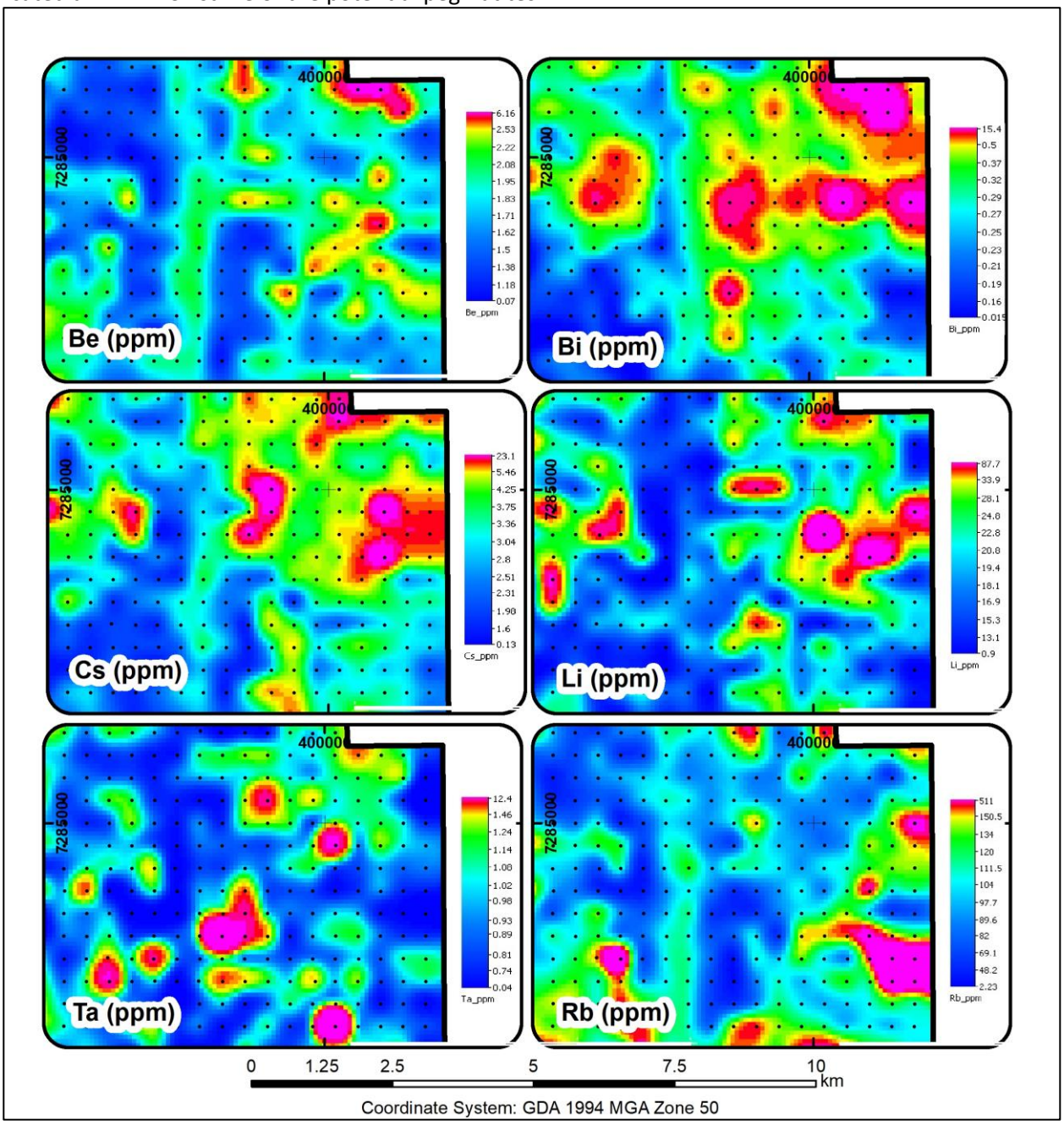

Figure 5- Eastern Pegmatite target area showing lithium and lithium pathfinder anomalism (Be-Bi-Cs-Ta-Rb).

Southern Pegmatite Field

The Southern Pegmatite field is an area of previously mapped pegmatites returning rock chips up to 250ppm Li_2O. However, the strongest lithium pathfinder response is in an area of obscured by cover to the east of the mapped pegmatites. Whilst there is only single point anomalous lithium in soils, there is a strong association with Li-Nb-Sn-Ta (Figure 6).

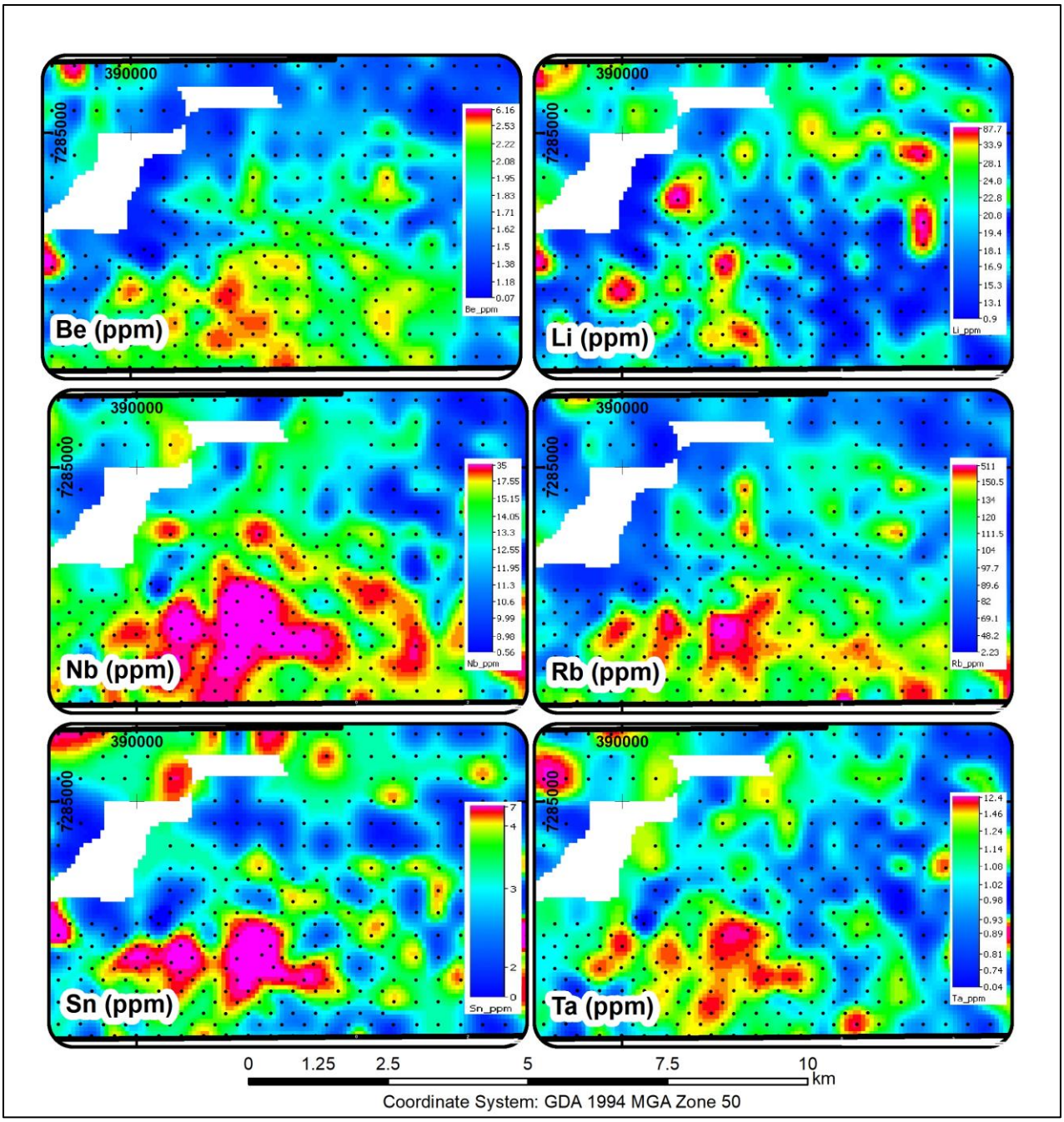

Figure 6 - Southern Pegmatite target area showing lithium and lithium pathfinder anomalism (Be-Nb-Rb-Sn-Ta).

Mt Yaragner Pegmatite

As previously announced, the Mt Yaragner area is considered prospective for REE deposits with historic sampling turning grades up to 14% TREO.[10] However, reconnaissance work identified quartz-feldspar-mica pegmatites with previous rock chips up to 407ppm Li_2O. Soil sampling has yielded several lithium single point anomalous lithium in soil anomalies including strong associations with Be-Sn-Rb pathfinders (Figure 7).

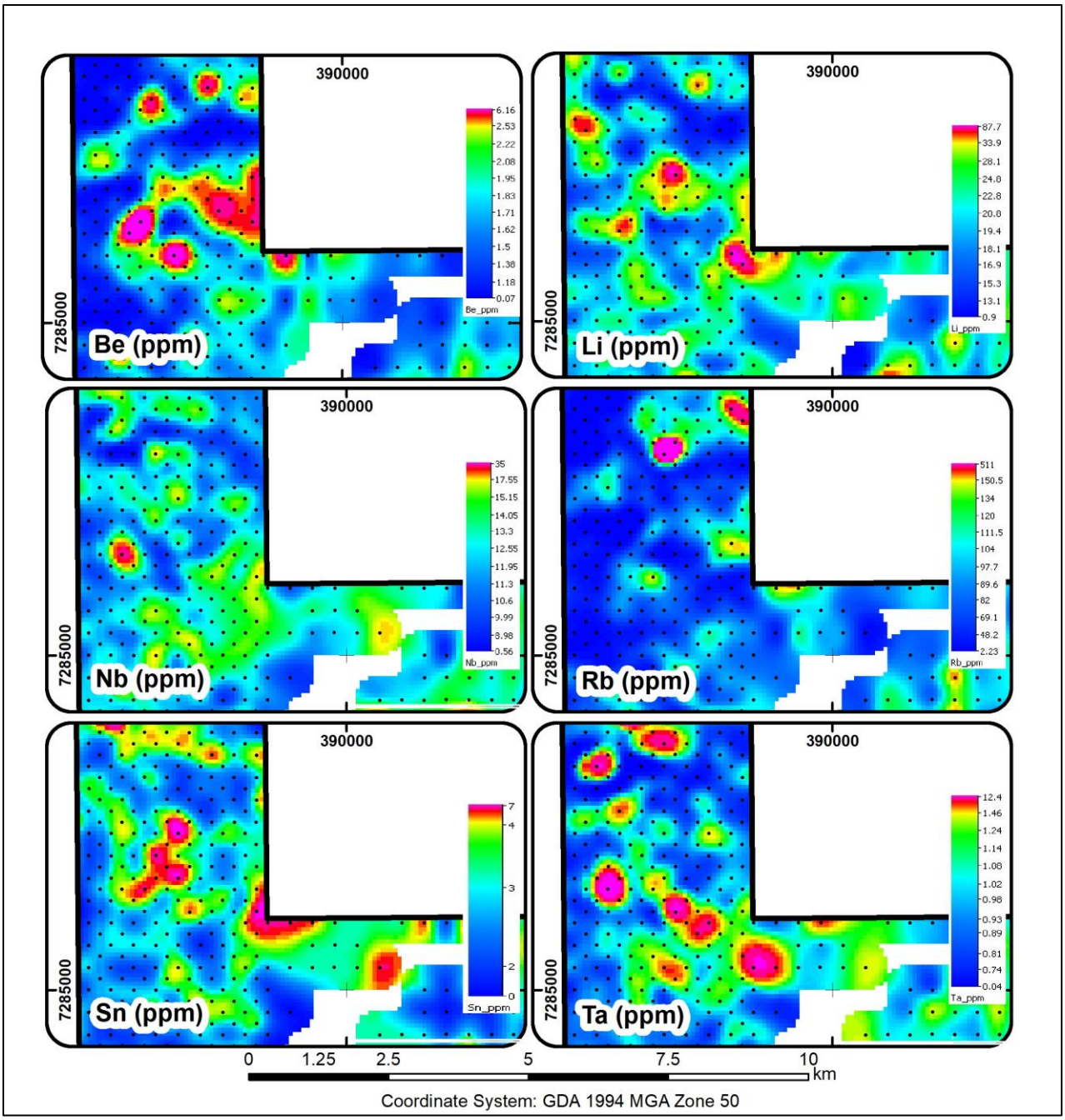

Figure 7 - Mt Yaragner Pegmatite target area showing lithium and lithium pathfinder anomalism (Be -Sn-Ta)

[10] Odessa ASX announcement dated 25 October 2022.

Pegmatites and Soil Sampling

Pegmatites are a coarse-grained intrusive rock/vein forming sheet like zones in proximity to granitoids. The presence of pegmatites does not necessarily confirm the presence of lithium mineralisation in economically extractable minerals such as spodumene. However, pegmatites are often zoned and as lithium bearing minerals commonly break-down in the weathering environment, the associated pathfinder elements (e.g. Cs-Ta-Nb-Sn-Bi) provide important clues as to the potential. The Company has taken a systematic approach to exploration including geophysical work and now gridded soils. The soil sampling, as presented in this release, is designed to show relative distribution of lithium and pathfinder elements. Rather than just using rock samples, that are invariably biased to areas of outcrop, the soil sampling provides a systematic and unbiased appraisal of the whole project area.

Upcoming work

With the identification of discrete and zoned soil anomalies the Company believes that Robinson's Bore and Eastern targets represent attractive targets for first pass reconnaissance drilling. The Company aims to complete initial reconnaissance over the target areas to finalise the drill sites and will be lodging applications for drill permits shortly.

The soil sampling also included assaying for cerium and lanthanum (Ce, La) as the most abundant rare earth elements, and these data are currently being reviewed for REE targeting.

About Odessa Minerals

Odessa Minerals Ltd is an ASX listed company (Ticker: ODE) that holds exploration licenses over 3,000 sq km of highly prospective ground in the highly sought-after Gascoyne region of Western Australia. Odessa's Projects are located in close proximity to significant recent lithium/pegmatite discoveries and lie in a north-south corridor of recent world class REE carbonatite discoveries.

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Competent Persons Statement

Information in this report relating to exploration data and interpretations is based on data compiled by Odessa Minerals and reviewed by Jeremy Peters, who is a Fellow of the Australasian Institute of Mining and Metallurgy and a Chartered Professional Geologist and Mining Engineer of that organisation. Mr Peters is an independent

consultant of Burnt Shirt Pty Ltd and 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 by the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Peters consents to the inclusion of the data in the form and context in which it appears.

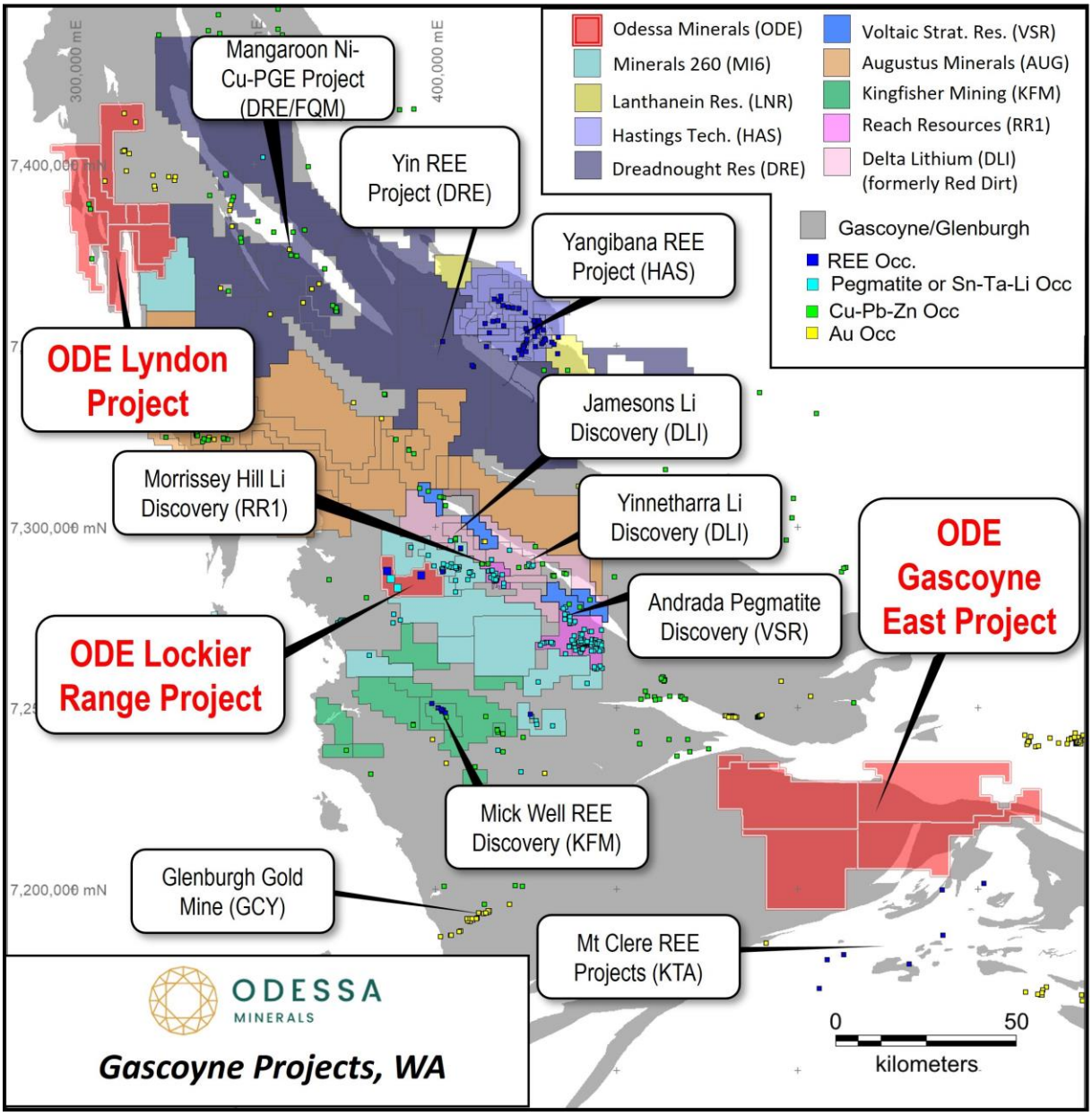

Figure 8 - Odessa Minerals regional Gascoyne Project location map with Geological Survey WA Minedex Occurrences.

Appendix 1: Soil assay results for lithium-pathfinder elements

Table A.1: Lithium and Lithium pegmatite pathfinder results from Robinson's Bore prospect area (grid = MGA94 Zone 50)

SiteID	Easting	Northing	Li (ppm)	Li2O (ppm)	Be (ppm)	Bi (ppm)	Cs (ppm)	Nb (ppm)	Sn (ppm)	Ta (ppm)	Rb (ppm)
X101091	399803	7287402	**56.80**	**122.27**	**2.12**	**0.65**	**7.81**	**14.00**	**4.00**	**1.26**	**109.5**
X101108	399402	7287803	**56.80**	**122.27**	**3.72**	**0.78**	**10.60**	**9.65**	**3.00**	**1.14**	**144**
X101122	398600	7288600	**52.50**	**113.02**	**3.37**	**4.78**	**9.34**	**13.25**	**4.00**	**1.54**	**162.5**
X101089	399001	7287401	**52.20**	**112.37**	**4.96**	**1.35**	**23.10**	**15.25**	**3.00**	**4.33**	**217**
X101105	398202	7287800	**52.10**	**112.16**	**1.76**	**0.30**	**7.35**	**14.05**	**3.00**	**1.14**	**157.5**
X101115	399001	7288201	**47.10**	**101.39**	**2.00**	**0.43**	**6.48**	**13.10**	**3.00**	**1.10**	**134**
X101117	399802	7288200	**44.80**	**96.44**	**2.93**	**0.55**	**11.15**	**14.15**	**5.00**	**1.17**	**154.5**
X101035	400193	7286202	**44.70**	**96.23**	**2.65**	**0.87**	**10.40**	**11.10**	**4.00**	**1.12**	**130**
X101088	398600	7287403	**44.40**	**95.58**	**1.94**	**0.27**	**5.26**	**11.90**	**3.00**	**0.97**	**161**
X101121	398200	7288600	**42.10**	**90.63**	**2.68**	**0.50**	**5.99**	**11.70**	**3.00**	**1.02**	**147**
X101074	400201	7286998	**40.60**	**87.40**	**3.37**	**0.42**	**6.66**	**14.70**	**2.00**	**1.48**	**111**
X101090	399402	7287398	**39.40**	**84.82**	**3.35**	**0.62**	**8.49**	**10.10**	**3.00**	**1.18**	**132**
X101116	399400	7288197	**37.40**	**80.51**	**3.81**	**12.25**	**16.10**	**13.50**	**3.00**	**2.15**	**163**
X101092	400199	7287400	**37.10**	**79.87**	**2.31**	**0.69**	**7.22**	**10.60**	**3.00**	**0.96**	**156.5**
X101071	399000	7287000	**36.40**	**78.36**	**2.35**	**0.22**	**4.42**	**11.50**	**4.00**	**1.12**	**155**
X101073	399800	7287001	**36.10**	**77.71**	**5.28**	**0.59**	**17.30**	**13.15**	**4.00**	**2.28**	**175**
X101132	398602	7289397	**35.60**	**76.64**	**2.27**	**0.27**	**4.53**	**10.15**	**3.00**	**0.91**	**88.2**
X101037	401010	7286201	**35.20**	**75.78**	**4.07**	**5.41**	**7.15**	**11.60**	**3.00**	**1.24**	**115**
X101087	398199	7287400	**35.20**	**75.78**	**2.34**	**0.30**	**5.82**	**10.25**	**4.00**	**0.91**	**143.5**
X101106	398598	7287807	**34.80**	**74.91**	**1.86**	**0.20**	**3.61**	**10.55**	**2.00**	**0.76**	**105.5**
X101036	400600	7286201	**34.50**	**74.27**	**3.52**	**2.77**	**7.22**	**10.90**	**3.00**	**1.58**	**102.5**
X101114	398602	7288202	**33.70**	**72.55**	**4.15**	**0.38**	**7.37**	**14.95**	**4.00**	**1.71**	**159.5**
X101127	398602	7289001	**33.70**	**72.55**	**2.24**	**0.71**	**6.21**	**12.90**	**3.00**	**1.08**	**115.5**
X101053	398605	7286602	**33.20**	**71.47**	**3.02**	**0.23**	**7.37**	**8.50**	**2.00**	**0.76**	**145**
X101057	400197	7286601	**30.60**	**65.87**	**2.24**	**0.67**	**8.40**	**10.25**	**3.00**	**1.17**	**159.5**
X101032	399002	7286201	**30.50**	**65.66**	**2.40**	**0.44**	**6.15**	**14.70**	**3.00**	**1.34**	**140**
X101109	399801	7287801	**29.40**	**63.29**	**2.08**	**0.46**	**6.48**	**7.92**	**2.00**	**1.04**	**162.5**
X101118	400201	7288201	**29.20**	**62.86**	**2.82**	**0.46**	**4.34**	**13.50**	**4.00**	**1.14**	**75.6**
X101131	398201	7289402	**28.20**	**60.71**	**2.39**	**1.22**	**2.67**	**12.15**	**3.00**	**1.56**	**65.7**
X101034	399800	7286200	**25.90**	**55.75**	**1.88**	**0.37**	**4.43**	**12.35**	**3.00**	**1.09**	**95.4**
X101110	400202	7287801	**25.60**	**55.11**	**2.77**	**0.48**	**5.39**	**10.70**	**3.00**	**1.04**	**106**
X101113	398201	7288197	**25.30**	**54.46**	**2.35**	**0.62**	**4.80**	**12.70**	**3.00**	**8.34**	**122**
X101126	398201	7289000	**25.30**	**54.46**	**1.93**	**0.73**	**6.29**	**10.10**	**3.00**	**0.92**	**101**
X101031	398605	7286205	**23.30**	**50.16**	**2.74**	**0.40**	**5.13**	**11.30**	**2.00**	**1.28**	**111.5**
X101107	399001	7287801	**22.90**	**49.30**	**3.26**	**0.51**	**4.98**	**8.51**	**2.00**	**0.84**	**113.5**
X101030	398201	7286199	**22.70**	**48.87**	**2.20**	**0.82**	**4.91**	**12.15**	**3.00**	**1.20**	**95.7**
X101033	399401	7286200	**22.00**	**47.36**	**1.73**	**0.46**	**4.44**	**11.35**	**2.00**	**1.00**	**91.5**
X101072	399399	7287001	**20.40**	**43.92**	**2.39**	**0.39**	**4.25**	**11.60**	**3.00**	**1.07**	**107.5**
X101054	398999	7286596	**19.80**	**42.62**	**0.94**	**0.17**	**4.65**	**7.35**	**2.00**	**0.60**	**161.5**
X101070	398601	7287000	**19.00**	**40.90**	**2.19**	**0.33**	**4.30**	**7.57**	**2.00**	**0.75**	**130.5**
X101056	399801	7286588	**18.20**	**39.18**	**1.41**	**0.37**	**4.53**	**10.05**	**3.00**	**0.92**	**84.2**
X101069	398198	7287001	**18.00**	**38.75**	**2.11**	**0.29**	**3.90**	**7.22**	**2.00**	**0.66**	**122.5**
X101055	399403	7286602	**16.30**	**35.09**	**1.74**	**0.36**	**5.75**	**10.75**	**2.00**	**1.16**	**80.7**
X101052	398184	7286600	**12.20**	**26.26**	**1.46**	**0.25**	**2.78**	**4.99**	**1.00**	**0.60**	**101**

Table A.2: Lithium and Lithium pegmatite pathfinder results from Eastern prospect area (grid = MGA94 Zone 50)

SiteID	Easting	Northing	Li (ppm)	Li2O (ppm)	Be (ppm)	Bi (ppm)	Cs (ppm)	Nb (ppm)	Sn (ppm)	Ta (ppm)	Rb (ppm)
X100858	400200	7284198	**87.70**	**188.79**	**2.58**	**0.52**	**5.77**	**8.92**	**2.00**	**0.81**	**107**
X100824	400999	7283796	**60.80**	**130.88**	**3.37**	**0.31**	**13.50**	**11.10**	**5.00**	**1.06**	**184.5**
X100897	401801	7284600	**47.30**	**101.82**	**1.88**	**0.44**	**6.87**	**10.15**	**4.00**	**1.00**	**142**
X100826	401401	7283800	**46.00**	**99.02**	**1.91**	**0.28**	**5.81**	**8.76**	**4.00**	**0.81**	**107**
X100805	400599	7283399	**41.50**	**89.34**	**2.47**	**0.44**	**7.28**	**11.25**	**3.00**	**1.00**	**132.5**
X100861	401403	7284200	**35.50**	**76.42**	**1.81**	**0.72**	**7.72**	**9.79**	**3.00**	**0.91**	**133.5**
X100862	401798	7284205	**33.90**	**72.98**	**1.62**	**2.88**	**7.28**	**9.91**	**2.00**	**0.95**	**132**
X100895	400999	7284602	**33.00**	**71.04**	**2.85**	**0.50**	**14.50**	**12.15**	**3.00**	**1.35**	**144**
X100821	399799	7283800	**32.90**	**70.82**	**1.96**	**0.49**	**5.28**	**9.87**	**2.00**	**0.87**	**113.5**
X100860	400998	7284198	**32.80**	**70.61**	**1.87**	**1.09**	**5.88**	**10.65**	**2.00**	**0.99**	**117.5**
X100859	400602	7284200	**32.50**	**69.96**	**2.14**	**3.91**	**5.83**	**9.56**	**2.00**	**0.87**	**109**
X100803	399801	7283400	**31.30**	**67.38**	**2.03**	**0.38**	**4.53**	**11.15**	**3.00**	**0.89**	**98.3**
X100823	400601	7283798	**27.40**	**58.98**	**2.22**	**0.32**	**6.98**	**8.05**	**2.00**	**0.79**	**107**
X100804	400199	7283400	**26.90**	**57.91**	**2.43**	**0.53**	**5.14**	**11.45**	**2.00**	**1.04**	**107**
X100857	399803	7284202	**26.30**	**56.62**	**1.80**	**1.07**	**3.66**	**10.70**	**2.00**	**1.24**	**87.9**
X100822	400201	7283799	**24.90**	**53.60**	**1.86**	**0.38**	**3.97**	**7.14**	**2.00**	**0.65**	**78.8**
X100893	400203	7284604	**24.50**	**52.74**	**1.57**	**0.91**	**4.70**	**9.58**	**3.00**	**3.18**	**79**
X100827	401799	7283801	**23.10**	**49.73**	**2.15**	**1.03**	**6.36**	**9.05**	**2.00**	**0.82**	**120.5**
X100896	401399	7284602	**22.60**	**48.65**	**1.82**	**0.51**	**6.31**	**10.85**	**3.00**	**1.06**	**115.5**
X100894	400600	7284600	**20.80**	**44.78**	**1.63**	**0.34**	**4.08**	**9.03**	**2.00**	**0.84**	**86.9**
X100892	399802	7284600	**20.60**	**44.35**	**1.84**	**0.56**	**4.31**	**10.80**	**3.00**	**0.95**	**96.2**
X100806	401002	7283399	**19.00**	**40.90**	**1.71**	**0.39**	**3.96**	**7.10**	**2.00**	**0.68**	**86.9**
X100807	401402	7283399	**16.10**	**34.66**	**1.44**	**0.28**	**2.41**	**6.83**	**2.00**	**0.68**	**56.1**
X100808	401798	7283396	**13.10**	**28.20**	**1.20**	**0.41**	**2.64**	**3.82**	**1.00**	**0.44**	**62.6**

Table A.3: Lithium and Lithium pegmatite pathfinder results from Southern pegmatite area (grid = MGA94 Zone 50)

SiteID	Easting	Northing	Li (ppm)	Li2O (ppm)	Be (ppm)	Bi (ppm)	Cs (ppm)	Nb (ppm)	Sn (ppm)	Ta (ppm)	Rb (ppm)
X100540	391798	7282599	**48.70**	**104.84**	**2.34**	**0.21**	**1.85**	**29.40**	**4.00**	**1.85**	**62.7**
X100459	391597	7281199	**41.40**	**89.12**	**3.10**	**0.25**	**5.13**	**20.90**	**4.00**	**1.99**	**157**
X100444	392199	7281400	**40.00**	**86.11**	**2.42**	**0.19**	**3.96**	**15.75**	**3.00**	**1.06**	**150.5**
X100461	392403	7281202	**38.60**	**83.09**	**2.50**	**0.23**	**4.43**	**14.85**	**4.00**	**1.20**	**148.5**
X100492	391998	7281602	**37.00**	**79.65**	**2.82**	**0.23**	**3.32**	**22.60**	**5.00**	**1.41**	**155**
X100589	391978	7282876	**36.20**	**77.93**	**2.30**	**0.24**	**3.23**	**25.00**	**4.00**	**1.50**	**157.5**
X100523	391604	7282001	**33.10**	**71.25**	**3.11**	**0.19**	**3.23**	**23.40**	**4.00**	**1.47**	**156**
X100460	391998	7281197	**32.90**	**70.82**	**2.46**	**0.24**	**3.66**	**15.40**	**3.00**	**1.26**	**138**
X100508	391790	7282177	**31.90**	**68.67**	**2.77**	**0.17**	**2.84**	**26.20**	**5.00**	**1.61**	**176.5**
X100442	391405	7281398	**31.70**	**68.24**	**2.68**	**0.22**	**3.61**	**21.00**	**3.00**	**1.48**	**134.5**
X100538	390999	7282604	**28.60**	**61.57**	**1.92**	**0.34**	**3.58**	**15.00**	**3.00**	**1.19**	**99.9**
X100542	392602	7282603	**28.60**	**61.57**	**2.66**	**0.33**	**5.08**	**15.15**	**4.00**	**1.43**	**163**
X100491	391592	7281593	**28.40**	**61.14**	**2.25**	**0.15**	**2.16**	**23.80**	**4.00**	**1.47**	**171.5**
X100588	391599	7282799	**26.80**	**57.69**	**2.26**	**0.16**	**2.39**	**22.60**	**4.00**	**1.29**	**148.5**
X100476	391804	7281796	**25.70**	**55.32**	**2.44**	**0.25**	**2.73**	**20.80**	**4.00**	**1.40**	**155.5**
X100443	391800	7281395	**25.60**	**55.11**	**2.27**	**0.16**	**2.49**	**22.30**	**4.00**	**1.52**	**125**
X100526	392452	7282027	**25.20**	**54.25**	**2.27**	**0.26**	**2.38**	**26.20**	**5.00**	**1.68**	**139**

SiteID	Easting	Northing	Li (ppm)	Li2O (ppm)	Be (ppm)	Bi (ppm)	Cs (ppm)	Nb (ppm)	Sn (ppm)	Ta (ppm)	Rb (ppm)
X100478	392600	7281799	**23.80**	**51.23**	**2.27**	**0.19**	**2.14**	**28.80**	**5.00**	**1.88**	**144.5**
X100493	392402	7281603	**23.80**	**51.23**	**2.89**	**0.25**	**3.79**	**17.85**	**3.00**	**1.63**	**146**
X100522	391208	7281998	**22.90**	**49.30**	**2.56**	**0.21**	**2.55**	**20.80**	**4.00**	**1.30**	**145**
X100571	391402	7282998	**22.90**	**49.30**	**1.64**	**0.28**	**3.04**	**13.55**	**3.00**	**1.01**	**98.4**
X100556	391604	7282400	**22.40**	**48.22**	**2.37**	**0.20**	**2.63**	**24.40**	**4.00**	**1.62**	**167.5**
X100541	392252	7282685	**22.20**	**47.79**	**2.15**	**0.24**	**2.12**	**28.60**	**5.00**	**1.93**	**134**
X100619	391202	7283198	**22.20**	**47.79**	**1.66**	**0.30**	**3.64**	**13.35**	**3.00**	**1.28**	**102.5**
X100445	392599	7281398	**21.70**	**46.71**	**2.09**	**0.21**	**3.41**	**12.30**	**2.00**	**0.90**	**124**
X100590	392402	7282801	**21.00**	**45.21**	**2.53**	**0.17**	**2.64**	**15.05**	**3.00**	**1.05**	**127**
X100587	391199	7282797	**20.80**	**44.78**	**1.69**	**0.32**	**3.26**	**13.85**	**3.00**	**1.06**	**94.4**
X100570	391002	7283002	**20.30**	**43.70**	**1.63**	**0.37**	**3.49**	**14.85**	**3.00**	**1.15**	**101**
X100509	392242	7282249	**20.20**	**43.48**	**2.18**	**0.19**	**2.29**	**24.40**	**5.00**	**1.51**	**150.5**
X100507	391398	7282203	**19.80**	**42.62**	**1.72**	**0.30**	**3.11**	**15.05**	**3.00**	**1.19**	**103.5**
X100573	392203	7283003	**19.80**	**42.62**	**2.08**	**0.20**	**3.01**	**11.55**	**3.00**	**0.95**	**144.5**
X100574	392603	7283003	**19.00**	**40.90**	**1.84**	**0.24**	**3.41**	**13.00**	**3.00**	**0.95**	**126.5**
X100572	391799	7283002	**18.90**	**40.69**	**1.48**	**0.27**	**3.29**	**11.50**	**3.00**	**1.11**	**115**
X100458	391200	7281200	**18.60**	**40.04**	**2.17**	**0.16**	**2.50**	**17.15**	**3.00**	**1.28**	**134**
X100474	391401	7281798	**18.60**	**40.04**	**1.65**	**0.25**	**2.72**	**14.25**	**3.00**	**1.14**	**111.5**
X100555	391204	7282404	**18.40**	**39.61**	**1.45**	**0.21**	**2.46**	**11.35**	**3.00**	**0.93**	**94.2**
X100558	392397	7282404	**17.80**	**38.32**	**2.18**	**0.17**	**2.11**	**24.50**	**5.00**	**1.56**	**154**
X100539	391404	7282601	**17.60**	**37.89**	**1.53**	**0.28**	**2.66**	**13.85**	**2.00**	**1.19**	**90.4**
X100441	391007	7281399	**17.10**	**36.81**	**2.06**	**0.15**	**2.19**	**15.90**	**3.00**	**0.95**	**133**
X100477	392203	7281800	**16.50**	**35.52**	**2.08**	**0.12**	**1.87**	**19.05**	**4.00**	**1.22**	**152**
X100490	391197	7281601	**16.30**	**35.09**	**1.62**	**0.27**	**2.70**	**13.80**	**3.00**	**1.05**	**99.1**
X100620	391598	7283194	**15.80**	**34.01**	**1.53**	**0.19**	**2.09**	**20.60**	**3.00**	**1.40**	**60.1**
X100473	391002	7281800	**15.50**	**33.37**	**2.09**	**0.15**	**1.98**	**18.35**	**4.00**	**1.28**	**144**
X100621	391996	7283198	**15.40**	**33.15**	**1.55**	**0.26**	**2.39**	**12.95**	**2.00**	**0.97**	**89.2**
X100510	392601	7282197	**14.20**	**30.57**	**2.02**	**0.18**	**2.07**	**13.75**	**3.00**	**0.93**	**137.5**

Table A.4: Lithium and Lithium pegmatite pathfinder results from Mt Yaragner pegmatite area (grid = MGA94 Zone 50)

SiteID	Easting	Northing	Li (ppm)	Li2O (ppm)	Be (ppm)	Bi (ppm)	Cs (ppm)	Nb (ppm)	Sn (ppm)	Ta (ppm)	Rb (ppm)
X100224	387203	7287598	**64.40**	**138.63**	**1.66**	**0.27**	**2.66**	**12.35**	**3.00**	**0.98**	**74.9**
X100149	388203	7286199	**56.30**	**121.20**	**1.96**	**0.23**	**2.27**	**15.20**	**4.00**	**1.16**	**42.4**
X100256	385599	7288401	**54.50**	**117.32**	**1.42**	**0.22**	**1.21**	**13.65**	**4.00**	**0.97**	**32.8**
X100158	388400	7286006	**54.00**	**116.25**	**1.32**	**0.37**	**1.70**	**16.00**	**4.00**	**1.34**	**38.5**
X100132	387801	7285796	**45.40**	**97.73**	**1.83**	**0.35**	**2.28**	**13.35**	**3.00**	**1.06**	**48.8**
X100246	385404	7288601	**38.00**	**81.80**	**0.89**	**0.14**	**0.79**	**10.20**	**3.00**	**0.70**	**25.8**
X101006	389001	7286202	**36.70**	**79.00**	**3.54**	**0.82**	**6.60**	**10.30**	**4.00**	**0.93**	**139.5**
X100208	387600	7287202	**35.40**	**76.21**	**2.55**	**0.24**	**3.98**	**11.00**	**3.00**	**0.86**	**102**
X100196	386601	7287401	**34.20**	**73.62**	**2.30**	**0.20**	**0.44**	**18.30**	**6.00**	**1.42**	**4.79**
X100197	387003	7287399	**32.70**	**70.39**	**2.55**	**0.25**	**3.52**	**10.05**	**3.00**	**0.79**	**88.7**
X100215	387000	7287798	**30.20**	**65.01**	**1.04**	**0.17**	**0.88**	**18.55**	**6.00**	**1.36**	**16.35**
X100174	388399	7286404	**29.40**	**63.29**	**2.34**	**0.11**	**1.26**	**19.05**	**5.00**	**1.60**	**23.7**
X100223	386802	7287600	**28.90**	**62.21**	**2.47**	**0.28**	**3.92**	**11.80**	**3.00**	**0.93**	**101.5**
X100205	386400	7287201	**27.30**	**58.77**	**1.39**	**0.30**	**0.54**	**11.90**	**3.00**	**1.14**	**5.51**
X100257	386003	7288401	**25.20**	**54.25**	**2.27**	**0.27**	**4.83**	**14.15**	**4.00**	**1.07**	**128**
X100222	386399	7287597	**24.40**	**52.53**	**1.30**	**0.20**	**1.24**	**15.65**	**3.00**	**1.37**	**38.6**

SiteID	Easting	Northing	Li (ppm)	Li2O (ppm)	Be (ppm)	Bi (ppm)	Cs (ppm)	Nb (ppm)	Sn (ppm)	Ta (ppm)	Rb (ppm)
X100226	387602	7287596	**24.40**	**52.53**	**2.40**	**0.31**	**4.05**	**12.95**	**3.00**	**1.16**	**99.2**
X100241	386801	7288002	**24.30**	**52.31**	**1.94**	**0.31**	**2.39**	**14.00**	**4.00**	**1.10**	**68.3**
X100247	385798	7288600	**24.00**	**51.66**	**0.55**	**0.17**	**0.33**	**3.09**	**2.00**	**0.24**	**9.02**
X100230	385804	7288197	**23.60**	**50.80**	**1.84**	**0.22**	**2.87**	**12.20**	**3.00**	**0.90**	**104**
X100198	387400	7287401	**23.10**	**49.73**	**2.91**	**0.33**	**4.19**	**11.05**	**3.00**	**0.93**	**100**
X100207	387203	7287202	**22.90**	**49.30**	**2.02**	**0.27**	**2.89**	**10.25**	**3.00**	**0.81**	**82.6**
X100273	385601	7288800	**22.90**	**49.30**	**0.57**	**0.10**	**0.49**	**12.00**	**4.00**	**1.04**	**7.03**
X100206	386796	7287199	**20.50**	**44.13**	**3.01**	**0.10**	**7.31**	**9.46**	**3.00**	**0.67**	**170.5**
X100133	388203	7285799	**19.60**	**42.19**	**1.73**	**0.36**	**2.87**	**13.65**	**3.00**	**1.12**	**82**
X100242	387201	7288002	**19.20**	**41.33**	**1.82**	**0.24**	**3.27**	**12.30**	**3.00**	**0.94**	**99.9**
X100157	388000	7286004	**18.70**	**40.26**	**1.67**	**0.34**	**2.79**	**13.95**	**3.00**	**1.15**	**78.6**
X100165	387794	7286604	**18.00**	**38.75**	**2.22**	**0.15**	**2.58**	**17.60**	**4.00**	**1.07**	**124**
X100148	387803	7286200	**17.90**	**38.53**	**1.84**	**0.18**	**2.90**	**14.60**	**3.00**	**2.41**	**45.1**
X100166	388202	7286596	**17.70**	**38.10**	**2.74**	**0.16**	**2.21**	**9.65**	**2.00**	**0.76**	**100.5**
X100229	385402	7288199	**17.70**	**38.10**	**1.50**	**0.24**	**2.60**	**10.05**	**2.00**	**0.78**	**83.4**
X100214	386599	7287800	**17.50**	**37.67**	**1.92**	**0.22**	**3.17**	**10.50**	**2.00**	**0.80**	**101**
X101005	388601	7286202	**17.10**	**36.81**	**1.90**	**0.29**	**3.50**	**11.15**	**4.00**	**0.88**	**97**
X100173	387997	7286398	**16.20**	**34.87**	**0.83**	**0.25**	**0.89**	**9.64**	**2.00**	**0.82**	**31.9**
X100274	386001	7288802	**15.00**	**32.29**	**1.31**	**0.31**	**1.87**	**13.35**	**3.00**	**1.21**	**63**
X100243	387604	7287997	**14.60**	**31.43**	**1.50**	**0.25**	**2.26**	**10.25**	**2.00**	**0.87**	**76.2**
X100216	387397	7287801	**12.70**	**27.34**	**1.48**	**0.27**	**2.18**	**10.00**	**3.00**	**0.79**	**79**
X100240	386400	7287997	**9.10**	**19.59**	**1.15**	**0.24**	**0.92**	**11.10**	**3.00**	**0.98**	**40.8**

JORC CODE, 2012 EDITION – TABLE 1 REPORT

1.1 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.*	• Soil samples on a 200m x 200m and 200m x 400m grid spacing were collected from approximately 15 – 25 cm below the surface, using a shovel. Soil was sieved using a 180 µm mesh and 150 - 200 g of sample was collected in a numbered paper sample bag. • Soil sample locations were recorded using a handheld GPS, which has an estimated accuracy of +/-3m.
Drilling techniques	• *Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or* *other type, whether core is oriented and if so, by what method, etc).*	• No drilling 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.*	• No drilling reported
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate*	• Samples were not geologically logged

Criteria	JORC Code explanation	Commentary
	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.*	
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.*	• Soil samples were dry sieved using a 180 µm mesh, and a 200 - 200 g sample of weight was collected in a paper soil sample bag. Where the soil was too wet, a 3-5 kg sample was collected in a calico bag, to be dried and sieved at the laboratory. • Standards were inserted approximately every 50 samples.
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.*	• Field introduced QA/QC procedures including the insertion of standards, and blanks was undertaken. • Laboratory internal QA/QC procedures including the insertion of standards, blanks and duplicates, grind checks and repeat analyses are standard procedure. • Samples were hand-delivered for analysis to ALS Malaga, Western Australia. • Soil samples (X series) were analysed for gold and multi-element via ALS ME-MS61r method. Samples were analysed for: Ag, Al, As, Au, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Ho, In, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, P, Pass75um, Pb, Pr, Rb, Re, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr. • Reported values for QA/QC samples fall within acceptable thresholds.
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*	• Field data was collected by an experienced field assistants under the guidance of experience contract company Omni GeoX. • Assays were interrogated to determine anomalism of elements compared to background values. • All assays have been loaded into the Company's Azeva database and QAQC passes internal procedures. • No adjustments have been applied to the assay data.

Criteria	JORC Code explanation	Commentary
	verification, data storage (physical and electronic) protocols. • *Discuss any adjustment to assay data.*	
Location of	• *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.*	• The location of the soil samples was recorded using a hand-held GPS. Waypoints were recorded at each location within the GDA94 zone 50S grid system and reconciled with the database.
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.*	• Soil samples were collected on a 200m x 200m and 200m x 400m grid spacing.
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.*	n/a
Sample security	• *The measures taken to ensure sample security.*	• Samples collected by experienced geological field services Company Omni GeoX. • Samples are sorted, sealed and transported from site • Samples were delivered and processed at ALS Laboratory in Malaga, Western Australia.

Criteria	JORC Code explanation	Commentary
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	The company has completed an internal audit on the data to confirm the Company QAQC guidelines are followed.

1.2 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.*	• EL09/2649 is an exploration license application in the name of OD4 Noonie Pty Ltd. • Odessa Minerals owns a 100% interest in OD4 Noonie. There is a 1% royalty payable to the original vendor of OD4 Noonie on future production.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	Previous geochemistry sampling is historic and compiled from third party reports as noted; and as previously reported in company release dated 25 October 2022. Refer previous reports namely WAMEX A99061 (IGO 2013) Stream Sediments; WAMEX A99061 (IGO 2013) Soil Samples; VENUS METALS PRESS RELEASE (28 Jan 2021) and A128133 (2021) Stream Sediments; WAMEX A117396 (ARROW MINERALS 2018) Stream Sediments.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The project area is underlain by Proterozoic rocks of the Gascoyne province of Western Australia. Rock types included Durlacher Super Suite Granitoids, Moogie Metamorphics (meta sediments) and Thirty-Three Supersuite leucogranites. • Based on rock type, radiometrics and geochemical anomalism the tenement area is prospective for carbonatite hosted rare earth elements comparable in style to the Yangibana Deposit located to the north in a similar geological

Criteria	JORC Code explanation	Commentary
		setting. • Based on the presence of Thirty-Three super suite granitoids intruding Durlacher Supersuite, the project area is prospective for lithium bearing pegmatites analogous to the nearby Yinnetharra Pegmatite field.

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 explain why this is the case.*
		• No drilling reported.

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.*	• Li2O is converted from Li ppm using stochiometric conversion of 2.153
Relationship between	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle*	• No drilling reported

Criteria	JORC Code explanation	Commentary
Mineralisation n widths and intercept lengths	*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').*	
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.*	• Maps included in the body of this release.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• All geochemistry data is reported. Previous sampling is historic and compiled from third party reports as noted; and as previously reported in company release dated 25 October 2022.
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 geochemistry data is reported. Previous sampling is historic and compiled from third party reports as noted; and as previously reported in company release dated 25 October 2022.
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.*	• Odessa Minerals is planning on conducting additional field reconnaissance work including further verification sampling of historic results. Dependent on the results of this sampling, the project area will be subjected to reconnaissance drilling.