# ASX Announcement

**25 May 2023**

# LITHIUM PEGMATITE TARGETING REVEALS EXTENSIVE PEGMATITE FIELDS WITH ANOMALOUS LITHIUM AND RARE EARTHS AT LOCKIER RANGE

## Highlights

- **Emergent Gascoyne/Yinnetharra Pegmatite Field in Western Australia**
- **First reconnaissance samples on Lockier Range pegmatites with assays up to:**
  - **407ppm $Li_2O$**
  - **37ppm Cs**
  - **105ppm Nb**
  - **714ppm Rb**
  - **23ppm Ta**
- **Extensive pegmatite fields identified including:**
  - **Southern Pegmatite Field over 3 x 2km**
  - **Robinson Bore Pegmatite Field 2 x 2km**
  - **Mt Yaragner Pegmatite (single outcropping pegmatite)**
- **Close proximity to 'goldilocks zone' of Thirty-Three Supersuite Granites (postulated source of Yinnetharra Lithium Pegmatites**
- **Soil sampling grid across entire 125 km$^2$ tenement complete and pending assay**
- **New possible late granite intrusions identified**
- **Lockier Range is ideally located:**
  - **~10km 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**



***David Lenigas, Executive Director of Odessa, said: "The identification of large pegmatite fields in such close proximity to significant new discoveries and the all-important Thirty-Three Super Suite granitoids is encouraging. Our first samples have shown potential LCT pegmatite fertility, and knowing we have both assay results pending and other targets to follow up, we look forward to continuing our rigorous and systematic exploration at Lockier Range."***

**Odessa Minerals Limited (ASX:ODE) ("Odessa" or the "Company")** is pleased to announce an update from its first reconnaissance at the recently granted Lockier Range Project (E09/2649). This release follows on from the rare earth element exploration release dated 16 May 2023. The Lockier Range Project consists of a 125 km$^2$ exploration license (E09/2649). Previous work[1] includes historic stream sediment sampling showing the project to be highly anomalous in REE and lithium pegmatite indicator elements.

[1] Odessa ASX announcement dated 25 October 2022 – "14% REE ON GASCOYNE PROVINCE ACQUISITION LOCKIER RANGE PROJECT"

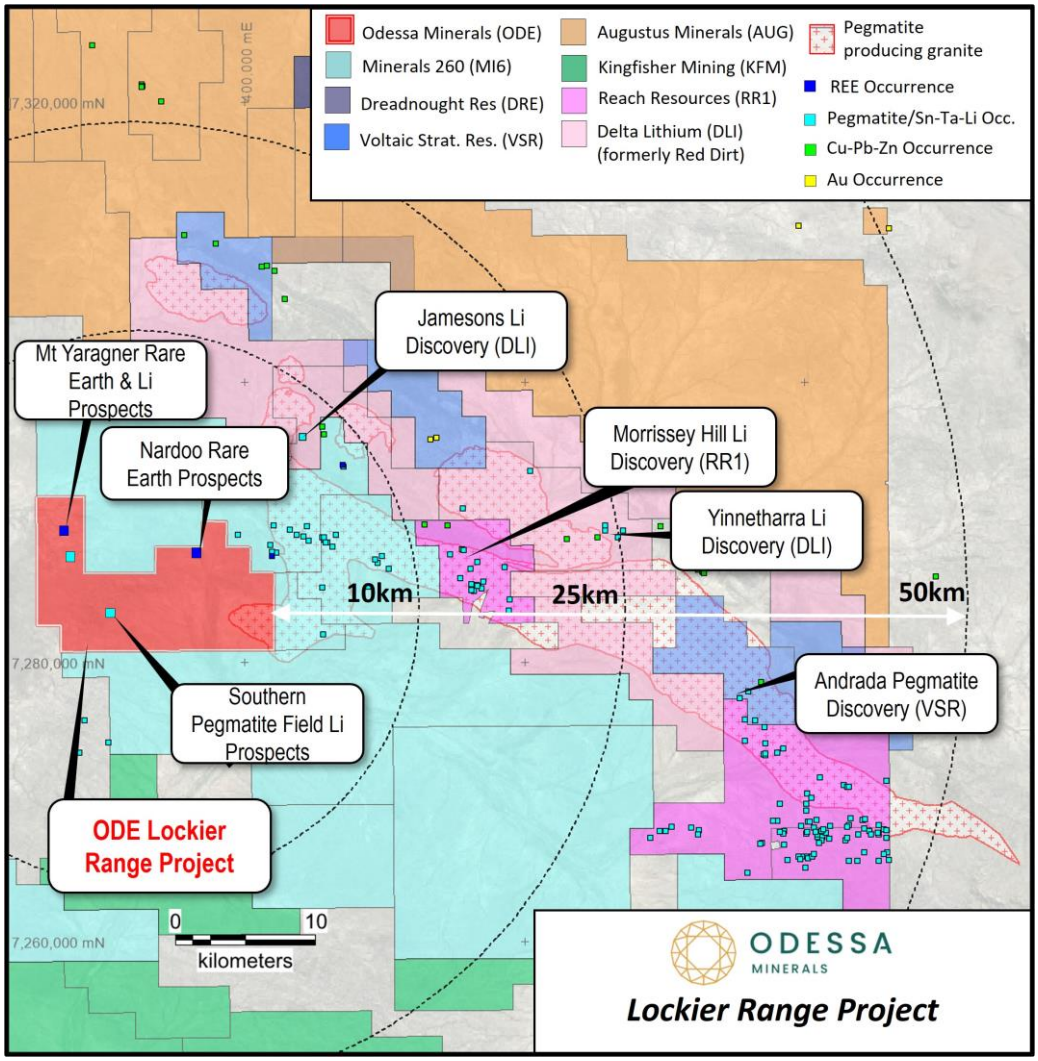


*Figure 1 - Lockier Range Project, proximal to the emergent Gascoyne lithium pegmatite province*

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).

## Lithium Pegmatite Targeting

The Lockier Range Project is intruded by Thirty-Three Supersuite granitoids (Figure 2 & 3), 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[2], Reach Resources Ltd[3] and Voltaic Strategic Resources Ltd[4]). Furthermore, a recent magnetic survey by the Company has revealed a zoned elliptical granite which possibly represents an additional source of pegmatite intrusions.

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

During reconnaissance work, a number of pegmatites were observed and sampled. The main mineralogy observed includes quartz, feldspars and mica. Samples have been analysed for a suite of lithium indicators including lithium, tantalum, niobium, caesium and rubidium. Results are indicative of being in proximity to potential fertile pegmatites and further mapping and sampling is required. Over 1000 samples (rock chips and soils) are pending in the laboratory.

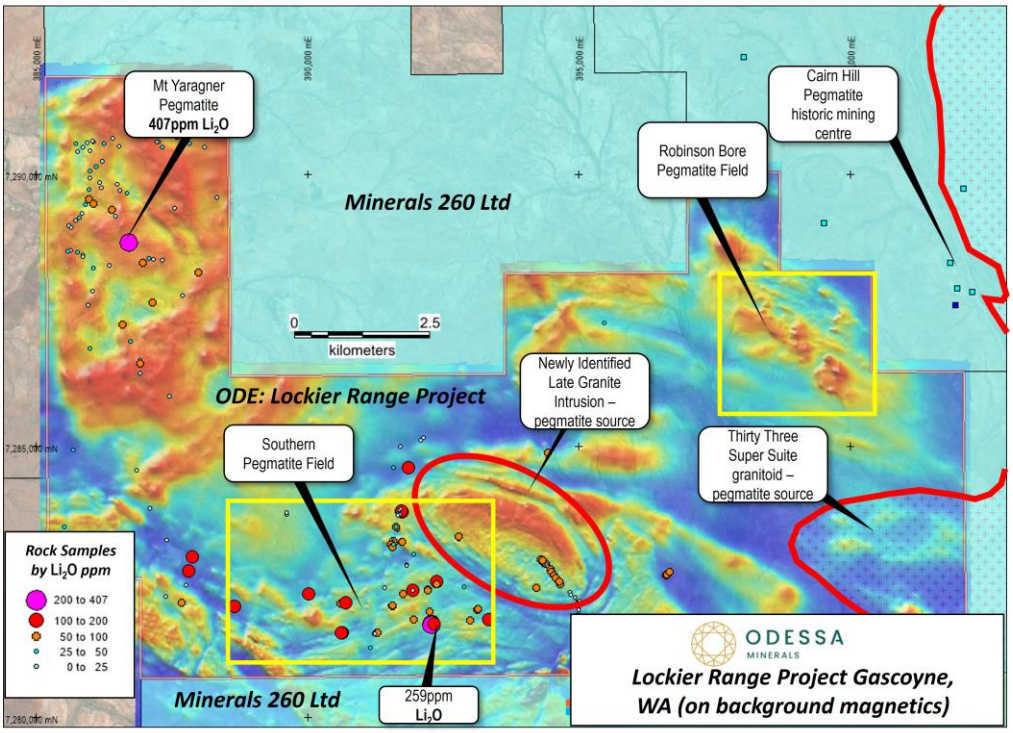


*Figure 2 - Lithium pegmatite targeting at Lockier Range, on background RTP magnetic image. Cold colours –blues to greens are low-magnetic response; warm colours yellows to red are high-magnetic response. Grid MGA94 zone 50*

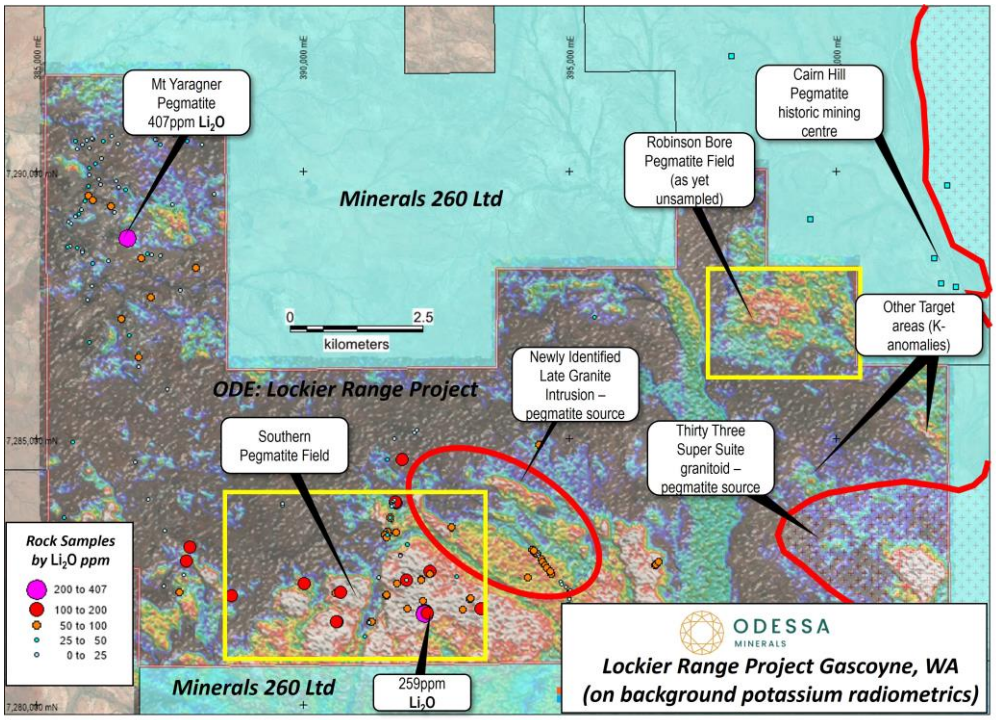


*Figure 3 - Lithium pegmatite targeting at Lockier Range, on background potassium raditiometrics image. Cold colours – blacks to blues are low-potassium response; warm colours yellows to red to white are high-potassium response. Grid MGA94 zone 50*

## Southern Pegmatite Field at Lockier Range

An area of approximately 3 x 2.5 km has been identified as the 'Southern Pegmatite Field'. The Geological Survey of Western Australia also noted pegmatites in this area on the 1:100,000 map sheet. Steeply dipping feldspar dominant pegmatites are oriented in several directions and have recorded multiple assays >100ppm $Li_2O$, with two samples >200ppm $Li_2O$ and anomalous niobium and rubidium. The Southern Pegmatite Field is in close proximity to the newly identified elliptical granite that is considered as potential equivalent of the Thirty-Three Super Suite granitoids. Historic stream sediment samples (refer to ASX announcement dated 25 October 2022) showed strong stream-sediment samples anomalous in lithium-caesium-tantalum ("LCT") indicators. The Company has completed a 200 x200m soil sampling grid with assays pending. The Company believes that obscured areas have the potential for flat-lying pegmatites, which based on similar discoveries elsewhere, offer the target potential for Li-rich pegmatite fractionation.

*Table 1 - Rock chip sample results from the Southern Pegmatite Field >100ppm $Li_2O$.*

| SiteID | RegEast | RegNorth | $Li_2O$ (ppm) | Caesium (ppm) | Niobium (ppm) | Rubidium (ppm) | Tantalum (ppm) |
|---|---|---|---|---|---|---|---|
| WP36002 | 392286 | 7281730 | 259 | 20.9 | 104.5 | 369 | 23 |
| WP36003 | 392288 | 7281721 | 259 | 14.05 | 32.9 | 245 | 2.3 |
| WP34001 | 392381 | 7282504 | 194 | 2.78 | 24.6 | 209 | 1.3 |
| XR0122 | 390630 | 7281574 | 193 | 2.45 | 24.5 | 226 | 1.26 |
| XR0103 | 391856 | 7284606 | 181 | 13.75 | 23.4 | 289 | 1.72 |
| XR0113 | 392337 | 7281735 | 154 | 3.75 | 24.5 | 219 | 1.24 |
| WP49006 | 391744 | 7283803 | 151 | 6.17 | 23.6 | 209 | 1.1 |
| XR0128 | 388658 | 7282059 | 136 | 2.03 | 22.7 | 237 | 0.98 |
| WP49007 | 391733 | 7283813 | 129 | 6.97 | 34.2 | 217 | 2.5 |
| XR0134 | 387818 | 7282709 | 117 | 7.03 | 15.1 | 203 | 1.17 |
| WP34003 | 390643 | 7281571 | 108 | 6.09 | 28.8 | 163.5 | 5 |
| XR0129 | 390020 | 7282284 | 108 | 1.13 | 22.7 | 274 | 0.78 |
| XR0118 | 391945 | 7282344 | 105 | 2.14 | 19.8 | 215 | 0.95 |
| XR0121 | 390706 | 7282122 | 104 | 3.39 | 23.6 | 197 | 1.12 |
| XR0135 | 387874 | 7282974 | 103 | 0.16 | 7.1 | 1.6 | 0.63 |
| XR0101 | 393344 | 7281814 | 101 | 2.05 | 22.8 | 194 | 1.18 |

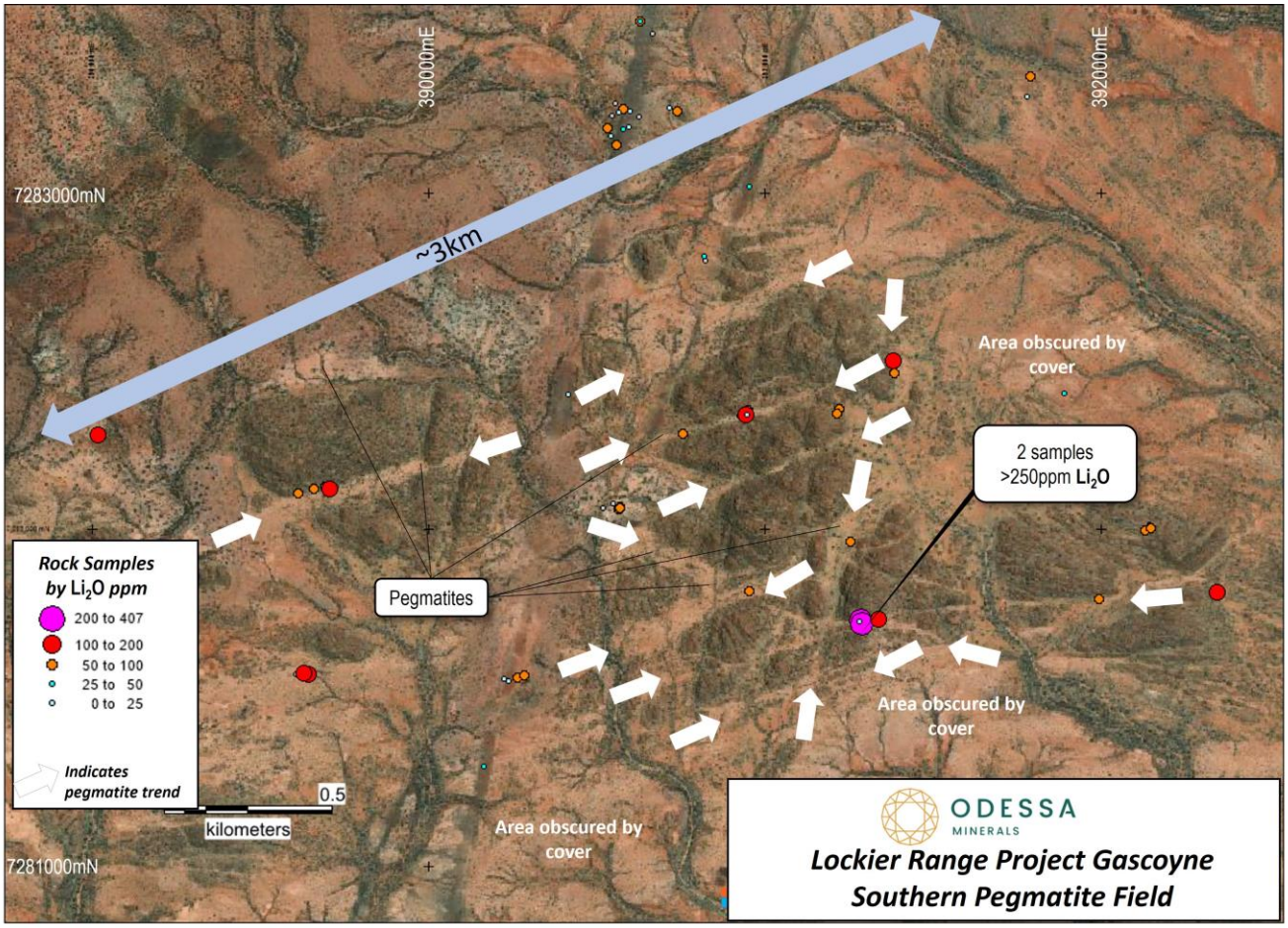


*Figure 4 - Southern Pegmatite Field, Lockier Range. Grid = MGA94, Z50*

## Mt Yaragner Pegmatite

The Mt Yaragner Prospect area is principally prospective for rare earth elements. However, during reconnaissance, a mica-quartz pegmatite was discovered which has revealed anomalous lithium from rock chip sampling. The area surrounding the outcrop is largely obscured by quartz lag cover.

*Table 2 - Rock chip sample result from the Mt Yaragner Pegmatite Field*

| SiteID | RegEast | RegNorth | $Li_2O$ (ppm) | Caesium (ppm) | Niobium (ppm) | Rubidium (ppm) | Tantalum (ppm) |
|---|---|---|---|---|---|---|---|
| XR0069 | 386707 | 7288755 | 408 | 11.6 | 100.5 | 714 | 5.4 |


*Figure 5 - Quartz core and mica pegmatite in the Mt Yaragner area. Location: 386707mE, 7288755 mN (MGA94, Z50)*

### Robinsons Bore Pegmatite Field

The Robinson Bore Pegmatite field (Figures 2 & 3) has not yet received detailed reconnaissance rock sampling. However, it has been subjected to soil sampling, with assays pending analysis. From aerial imagery, possible pegmatites are oriented principally north-south with a strong potassium radiometric anomaly and in close proximity to the Thirty Three Supersuite granite contact, and only 2500 metres west of the historic Cairn Hill pegmatite mining area. These pegmatites are pending ground-validation.

## Pending assays & upcoming work

In addition to the samples reported in this release, the Company has 1019 soil samples on regularised grids and a further 20 rock samples currently being assayed. Dependent on results, further targeting and reconnaissance will be undertaken in the coming months.

## 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.

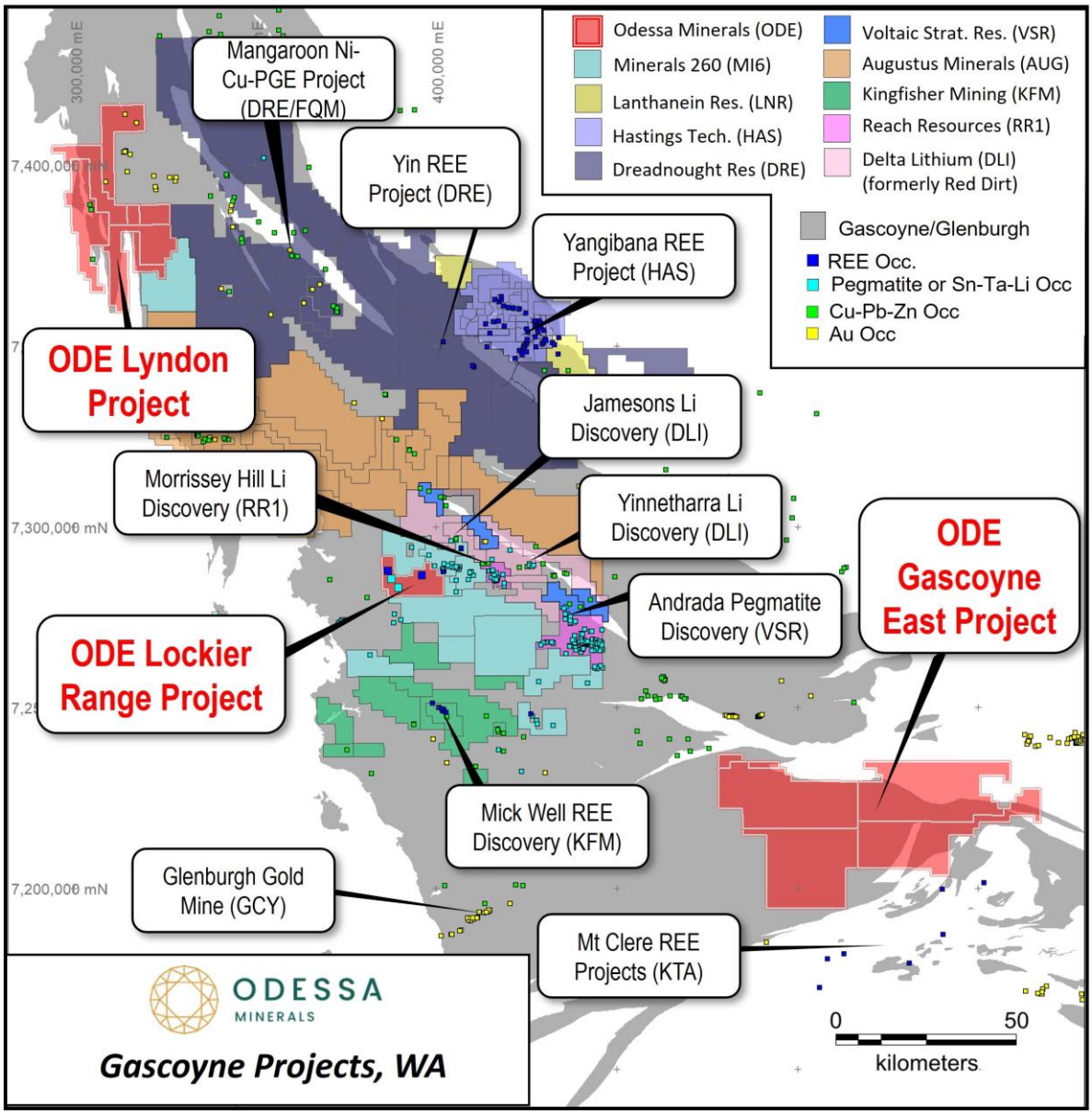


*Figure 6 - Odessa Minerals regional Gascoyne Project location map with Geological Survey WA Minedex Occurrences*

## ENQUIRIES

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www.odessaminerals.com.au

**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.

*Table 3 - Rock chip results for lithium indicator elements from recent work at Lockier Range (all samples including pegmatites and non-pegmatite samples included). Samples with prefix WP assayed using fusion (ALS Laboratories ME-MS81 with ME-4ACD81 add-on) for total digestion. Samples with prefix XR assayed using 4-acid digest (ALS Laboratories ME-MS61r).*

| Sample ID | Easting (mN) | Northing (mN) | Li2O (ppm) | Cs_ppm | Nb_ppm | Rb_ppm | Ta_ppm |
|---|---|---|---|---|---|---|---|
| XR0069 | 386707 | 7288755 | 408 | 11.6 | 100.5 | 714 | 5.4 |
| WP36002 | 392286 | 7281730 | 259 | 20.9 | 104.5 | 369 | 23 |
| WP36003 | 392288 | 7281721 | 259 | 14.05 | 32.9 | 245 | 2.3 |
| WP34001 | 392381 | 7282504 | 194 | 2.78 | 24.6 | 209 | 1.3 |
| XR0122 | 390630 | 7281574 | 193 | 2.45 | 24.5 | 226 | 1.26 |
| XR0103 | 391856 | 7284606 | 181 | 13.75 | 23.4 | 289 | 1.72 |
| XR0113 | 392337 | 7281735 | 154 | 3.75 | 24.5 | 219 | 1.24 |
| WP49006 | 391744 | 7283803 | 151 | 6.17 | 23.6 | 209 | 1.1 |
| XR0128 | 388658 | 7282059 | 136 | 2.03 | 22.7 | 237 | 0.98 |
| WP49007 | 391733 | 7283813 | 129 | 6.97 | 34.2 | 217 | 2.5 |
| XR0134 | 387818 | 7282709 | 117 | 7.03 | 15.1 | 203 | 1.17 |
| WP34003 | 390643 | 7281571 | 108 | 6.09 | 28.8 | 163.5 | 5 |
| XR0129 | 390020 | 7282284 | 108 | 1.13 | 22.7 | 274 | 0.78 |
| XR0118 | 391945 | 7282344 | 105 | 2.14 | 19.8 | 215 | 0.95 |
| XR0121 | 390706 | 7282122 | 104 | 3.39 | 23.6 | 197 | 1.12 |
| XR0135 | 387874 | 7282974 | 103 | 0.16 | 7.1 | 1.6 | 0.63 |
| XR0101 | 393344 | 7281814 | 101 | 2.05 | 22.8 | 194 | 1.18 |
| XR0114 | 392255 | 7281965 | 91 | 2.16 | 21.9 | 203 | 1.18 |
| XR0065 | 386959 | 7288379 | 90 | 1.75 | 25.6 | 172.5 | 1.28 |
| XR0108 | 391739 | 7283245 | 87 | 4.36 | 12.9 | 229 | 0.96 |
| WP33001 | 391570 | 7282067 | 86 | 1.1 | 7.96 | 99.9 | 0.5 |
| WP33002 | 391567 | 7282063 | 86 | 1.11 | 8.12 | 106.5 | 0.5 |
| WP34006 | 391951 | 7282355 | 86 | 1.95 | 20.9 | 216 | 1.1 |
| WP39003 | 392386 | 7282465 | 86 | 2.29 | 24.5 | 204 | 1.3 |
| WP40003 | 390660 | 7282122 | 86 | 2.21 | 22.9 | 190 | 1.3 |
| WP40004 | 390613 | 7282109 | 86 | 2.43 | 20.1 | 208 | 1.1 |
| WP47005 | 391579 | 7283252 | 86 | 0.14 | 0.4 | 1.3 | -0.1 |
| WP47010 | 391533 | 7283195 | 86 | 6.13 | 17.45 | 234 | 1.2 |
| WP62002 | 396615 | 7282646 | 86 | 1.99 | 22.3 | 295 | 1.2 |
| WP76003 | 394337 | 7282874 | 86 | 4.87 | 23 | 263 | 1.8 |
| WP76004 | 394360 | 7282871 | 86 | 4.58 | 26.6 | 247 | 2 |
| WP76009 | 394470 | 7282741 | 86 | 4.3 | 20.4 | 218 | 1.4 |
| WP76010 | 394485 | 7282696 | 86 | 4.64 | 21.7 | 231 | 1.2 |
| WP76011 | 394534 | 7282623 | 86 | 4.3 | 21.9 | 236 | 1.4 |
| WP76a001 | 394291 | 7282919 | 86 | 4.11 | 25.9 | 231 | 1.7 |
| WP89003 | 391628 | 7283511 | 86 | 0.14 | 1.56 | 2.4 | 0.1 |
| XR0109 | 392994 | 7281795 | 85 | 2.47 | 22.3 | 209 | 1.19 |
| XR0039 | 385979 | 7289553 | 83 | 1.3 | 15.7 | 31.8 | 1.08 |
| XR0050 | 386061 | 7289462 | 83 | 0.62 | 12.4 | 16.7 | 0.8 |
| XR0073 | 386590 | 7287236 | 82 | 0.09 | 13.5 | 0.6 | 1.05 |
| XR0116 | 391571 | 7282065 | 78 | 1.01 | 7.5 | 101.5 | 0.48 |
| XR0117 | 391758 | 7282285 | 71 | 2.04 | 20.9 | 201 | 1.08 |

| Sample ID | Easting (mN) | Northing (mN) | Li2O (ppm) | Cs_ppm | Nb_ppm | Rb_ppm | Ta_ppm |
|---|---|---|---|---|---|---|---|
| XR0012 | 388321 | 7291002 | 66 | 5.2 | 13.2 | 106.5 | 2.07 |
| WP34004 | 392223 | 7282358 | 65 | 4.5 | 24.2 | 216 | 1.4 |
| WP34005 | 392216 | 7282347 | 65 | 2.19 | 19.6 | 198 | 1.1 |
| WP40002 | 390692 | 7282128 | 65 | 1.98 | 21.8 | 181 | 1.2 |
| WP41002 | 393129 | 7281998 | 65 | 2.54 | 24.5 | 196.5 | 1.3 |
| WP41003 | 393146 | 7282006 | 65 | 2.67 | 24.8 | 217 | 1.5 |
| WP44002 | 391265 | 7281562 | 65 | 2.17 | 20.6 | 213 | 1.1 |
| WP44003 | 391286 | 7281568 | 65 | 2.02 | 22 | 198 | 1.3 |
| WP47012 | 391560 | 7283144 | 65 | 0.16 | 5.51 | 7.3 | 0.4 |
| WP49005 | 391743 | 7283778 | 65 | 4.59 | 13.25 | 112 | 0.8 |
| WP62001 | 396612 | 7282619 | 65 | 2.54 | 20.9 | 383 | 1.1 |
| WP62003 | 396673 | 7282690 | 65 | 2.38 | 27.7 | 438 | 1.2 |
| WP74005 | 394368 | 7282850 | 65 | 4.25 | 13.15 | 223 | 0.9 |
| WP76006 | 394394 | 7282832 | 65 | 5.26 | 18.55 | 244 | 1.6 |
| WP76014 | 394652 | 7282464 | 65 | 4.73 | 24.3 | 215 | 1.6 |
| WP76015 | 394208 | 7282397 | 65 | 4.59 | 20.9 | 194.5 | 1.6 |
| WP76028 | 394982 | 7281855 | 65 | 2.45 | 20.5 | 284 | 0.6 |
| WP76a002 | 394328 | 7282896 | 65 | 4.35 | 20 | 254 | 1.4 |
| WP78012 | 394575 | 7282573 | 65 | 4.65 | 21.7 | 187.5 | 1.3 |
| WP78013 | 394634 | 7282506 | 65 | 5.52 | 18.35 | 238 | 1.5 |
| WP91002 | 394429 | 7284876 | 65 | 3.78 | 10 | 68.9 | 1 |
| XR0131 | 387680 | 7282129 | 64 | 0.09 | 24 | 3 | 1.48 |
| XR0093 | 392791 | 7283348 | 62 | 3.99 | 20.3 | 170.5 | 1.11 |
| XR0115 | 391955 | 7281817 | 62 | 19.8 | 10.9 | 315 | 2.79 |
| XR0015 | 388381 | 7291080 | 61 | 3.93 | 7 | 225 | 0.4 |
| XR0011 | 387600 | 7290719 | 60 | 3.9 | 12.8 | 125 | 0.77 |
| XR0042 | 386392 | 7289346 | 60 | 2.2 | 7.4 | 54.5 | 0.55 |
| XR0130 | 387680 | 7282129 | 60 | 0.08 | 25.9 | 2.2 | 1.48 |
| XR0072 | 387145 | 7287647 | 57 | 0.21 | 5.7 | 2.1 | 0.56 |
| XR0070 | 387995 | 7288206 | 55 | 0.17 | 9 | 1.6 | 0.7 |
| XR0004 | 387257 | 7290935 | 54 | 0.24 | 19.4 | 5.4 | 1.22 |
| XR0076 | 386920 | 7286522 | 54 | 37.4 | 19.5 | 218 | 1.51 |
| XR0142 | 395464 | 7287273 | 49 | 0.53 | 2.8 | 7.4 | 0.26 |
| XR0082 | 387397 | 7283271 | 47 | 0.08 | 4.7 | 0.8 | 0.41 |
| XR0087 | 385994 | 7286805 | 47 | 0.26 | 23.3 | 2.9 | 1.62 |
| XR0091 | 394322 | 7285965 | 46 | 6.21 | 6.4 | 236 | 0.52 |
| XR0100 | 392890 | 7282406 | 45 | 3.74 | 8.7 | 261 | 0.67 |
| XR0005 | 387255 | 7290937 | 44 | 0.2 | 7.8 | 4.8 | 0.53 |
| WP33003 | 391561 | 7282065 | 43 | 0.97 | 6.07 | 89 | 0.4 |
| WP41001 | 393143 | 7282015 | 43 | 2.19 | 21.7 | 214 | 1.1 |
| WP47001 | 391596 | 7283197 | 43 | 0.67 | 13.05 | 29.9 | 0.9 |
| WP49004 | 391756 | 7283750 | 43 | 3.34 | 5.32 | 181.5 | 0.4 |
| WP49011 | 391680 | 7283768 | 43 | 0.21 | 0.23 | 3.1 | -0.1 |
| WP76001 | 394291 | 7282919 | 43 | 0.49 | 38.2 | 18.2 | 2.5 |
| WP86001a | 394321 | 7285962 | 43 | 1.96 | 3.44 | 39.8 | 1 |
| WP89004 | 391628 | 7283511 | 43 | 0.47 | 3.28 | 2.8 | 0.2 |
| WP90001 | 391820 | 7282814 | 43 | 24.4 | 8.09 | 568 | 1.5 |
| WP91001 | 394429 | 7284876 | 43 | 8.87 | 9.22 | 372 | 0.9 |
| XR0034 | 385983 | 7290069 | 43 | 1.48 | 9.1 | 111.5 | 0.55 |
| XR0059 | 385763 | 7288566 | 43 | 0.36 | 10.8 | 35.2 | 0.53 |
| XR0046 | 386669 | 7289670 | 42 | 2.93 | 6.8 | 215 | 0.34 |
| XR0133 | 387821 | 7282711 | 41 | 3 | 13.6 | 231 | 0.69 |
| XR0030 | 386107 | 7290148 | 39 | 0.24 | 24.8 | 3.3 | 1.28 |
| XR0019 | 387317 | 7290501 | 37 | 2.52 | 7.1 | 163 | 0.61 |

| Sample ID | Easting (mN) | Northing (mN) | Li2O (ppm) | Cs_ppm | Nb_ppm | Rb_ppm | Ta_ppm |
|---|---|---|---|---|---|---|---|
| XR0055 | 385798 | 7289210 | 36 | 0.18 | 4.8 | 6.6 | 0.34 |
| XR0141 | 395468 | 7287278 | 35 | 4.47 | 0.5 | 201 | 0.11 |
| XR0074 | 386741 | 7286926 | 33 | 0.28 | 6.2 | 4.5 | 0.5 |
| XR0066 | 387074 | 7288457 | 32 | 2.73 | 24 | 307 | 1.47 |
| XR0075 | 386915 | 7286598 | 32 | 0.22 | 9.2 | 4.9 | 0.65 |
| XR0124 | 391164 | 7281296 | 32 | 0.96 | 13.9 | 90.8 | 0.91 |
| XR0098 | 391578 | 7283193 | 30 | 0.63 | 11.5 | 30 | 0.77 |
| XR0035 | 385987 | 7290072 | 29 | 0.32 | 7.8 | 19.2 | 0.54 |
| XR0028 | 385727 | 7290577 | 28 | 0.32 | 5.8 | 16 | 0.43 |
| XR0020 | 387830 | 7290578 | 28 | 4.27 | 8 | 171.5 | 0.69 |
| XR0037 | 385979 | 7289735 | 28 | 0.31 | 18 | 5.6 | 1.08 |
| XR0016 | 388412 | 7291169 | 28 | 18.75 | 5 | 292 | 1.82 |
| XR0085 | 385513 | 7283523 | 28 | 0.57 | 24.3 | 7.1 | 1.72 |
| XR0040 | 385902 | 7289458 | 28 | 0.2 | 7.9 | 5.8 | 0.27 |
| XR0099 | 391954 | 7283022 | 28 | 0.86 | 36 | 47.7 | 2.1 |
| XR0014 | 388386 | 7291082 | 27 | 5.01 | 7 | 277 | 0.64 |
| XR0057 | 385591 | 7288594 | 27 | 0.1 | 8.4 | 1.1 | 0.52 |
| XR0025 | 386056 | 7290603 | 27 | 0.45 | 7.5 | 27.3 | 0.41 |
| XR0086 | 385679 | 7284940 | 27 | 0.65 | 17.8 | 3.4 | 1.24 |
| XR0104 | 391586 | 7284607 | 26 | 2.59 | 4.7 | 167 | 0.45 |
| XR0024 | 386249 | 7290570 | 26 | 0.99 | 6.5 | 81.3 | 0.33 |
| XR0062 | 386054 | 7288288 | 25 | 1.55 | 1.5 | 116.5 | 0.14 |
| XR0096 | 391694 | 7283748 | 24 | 1.46 | 13 | 40.7 | 0.82 |
| XR0009 | 387613 | 7290709 | 23 | 0.86 | 13.2 | 23.5 | 0.77 |
| XR0102 | 391712 | 7284996 | 23 | 2.67 | 1.6 | 36.8 | 0.26 |
| XR0026 | 386033 | 7290625 | 22 | 0.29 | 48.2 | 10.4 | 2.02 |
| XR0132 | 387758 | 7282445 | 22 | 16.15 | 19.1 | 314 | 0.97 |
| WP34004a | 390635 | 7281585 | 22 | 16.5 | 3.35 | 479 | 0.7 |
| WP34007 | 391956 | 7282348 | 22 | 5.76 | 8.38 | 360 | 0.5 |
| WP34008 | 391925 | 7282340 | 22 | 6.63 | 3.63 | 431 | 0.5 |
| WP40001 | 390698 | 7282109 | 22 | 5.9 | 10.55 | 217 | 1.1 |
| WP44001 | 391224 | 7281558 | 22 | 0.22 | 1.66 | 4.4 | 0.2 |
| WP47002 | 391596 | 7283197 | 22 | 1.49 | 20.4 | 225 | 0.9 |
| WP47004 | 391601 | 7283244 | 22 | 0.53 | 11.45 | 17.4 | 0.8 |
| WP47007 | 391565 | 7283243 | 22 | 6.54 | 10.1 | 268 | 0.9 |
| WP47011 | 391543 | 7283171 | 22 | 3.3 | 17.25 | 351 | 0.5 |
| WP49001 | 391699 | 7283752 | 22 | 1.33 | 11.2 | 21.1 | 0.6 |
| WP49002 | 391727 | 7283746 | 22 | 3.27 | 6.32 | 205 | 0.5 |
| WP49008 | 391712 | 7283837 | 22 | 1 | 13.55 | 24.5 | 0.8 |
| WP49009 | 391672 | 7283813 | 22 | 2.5 | 3.34 | 219 | 0.2 |
| WP49010 | 391663 | 7283784 | 22 | 2.61 | 2.26 | 241 | 0.1 |
| WP76001a | 392781 | 7283288 | 22 | 1.36 | 7.62 | 83.6 | 0.5 |
| WP76007 | 394406 | 7282820 | 22 | 1.32 | 5.56 | 45.1 | 0.4 |
| WP76008 | 394429 | 7282782 | 22 | 0.14 | 1.42 | 7.5 | 0.1 |
| WP76016 | 394825 | 7282310 | 22 | 3.76 | 6.73 | 219 | 0.7 |
| WP76017 | 394854 | 7282261 | 22 | 0.34 | 1.7 | 12.3 | 0.1 |
| WP76018 | 394932 | 7282219 | 22 | 3.86 | 20.4 | 168.5 | 1.3 |
| WP76020 | 394975 | 7282124 | 22 | 1.6 | 24.3 | 76.5 | 4.1 |
| WP76021 | 394962 | 7282090 | 22 | 2.46 | 20.9 | 305 | 2.6 |
| WP76023 | 395002 | 7282129 | 22 | 0.06 | 20.1 | 1.5 | 0.9 |
| WP76026 | 394996 | 7281991 | 22 | 1.49 | 28.2 | 229 | 2.5 |
| WP76027 | 394982 | 7281855 | 22 | 1.5 | 33.5 | 63.3 | 2 |
| WP86001 | 394328 | 7285973 | 22 | 1.24 | 3.47 | 33.3 | 0.4 |
| WP86003 | 394297 | 7285971 | 22 | 3.84 | 1.72 | 227 | 0.2 |

| Sample ID | Easting (mN) | Northing (mN) | Li2O (ppm) | Cs_ppm | Nb_ppm | Rb_ppm | Ta_ppm |
|---|---|---|---|---|---|---|---|
| WP86004 | 394413 | 7286005 | 22 | 1.59 | 1.67 | 52.2 | 0.2 |
| WP86005 | 394423 | 7286063 | 22 | 3.92 | 1.14 | 216 | 0.1 |
| XR0051 | 385841 | 7289296 | 22 | 0.16 | 32.8 | 3.1 | 1.87 |
| XR0067 | 387167 | 7288443 | 22 | 0.84 | 11.6 | 52.5 | 0.6 |
| XR0044 | 386488 | 7289819 | 21 | 0.17 | 9.6 | 11 | 0.56 |
| XR0063 | 386353 | 7288337 | 21 | 0.12 | 8.8 | 3.2 | 0.64 |
| XR0002 | 387130 | 7290845 | 21 | 1.15 | 2.9 | 21.7 | 0.29 |
| XR0058 | 385763 | 7288568 | 21 | 0.08 | 22.9 | 4.7 | 1.34 |
| XR0008 | 387602 | 7290720 | 20 | 4.02 | 4.9 | 250 | 0.41 |
| XR0053 | 385657 | 7289025 | 20 | 1.3 | 3.2 | 209 | 0.18 |
| XR0107 | 391715 | 7283256 | 19 | 0.2 | 28.2 | 27.5 | 1.69 |
| XR0092 | 394369 | 7285893 | 19 | 0.57 | 0.9 | 10.8 | 0.13 |
| XR0125 | 391238 | 7281550 | 19 | 0.93 | 11.8 | 20.4 | 0.69 |
| XR0023 | 386417 | 7290676 | 18 | 0.23 | 1.5 | 20.5 | 0.09 |
| XR0041 | 386357 | 7289334 | 17 | 1.2 | 23.8 | 104 | 1.43 |
| XR0084 | 387397 | 7283270 | 16 | 0.55 | 8.2 | 3.4 | 0.74 |
| XR0106 | 389619 | 7283779 | 16 | 0.27 | 1.4 | 17.5 | 0.1 |
| XR0105 | 389622 | 7283752 | 16 | 0.61 | 1 | 10.2 | 0.1 |
| XR0094 | 392090 | 7285115 | 16 | 0.07 | 4.4 | 1.6 | 0.12 |
| XR0013 | 388370 | 7290961 | 15 | 1.44 | 1 | 22 | 0.34 |
| XR0027 | 385936 | 7290581 | 15 | 0.25 | 15.4 | 21.6 | 0.66 |
| XR0022 | 386524 | 7290524 | 15 | 0.37 | 16.2 | 34.2 | 0.73 |
| XR0029 | 385756 | 7290422 | 15 | 2.51 | 2.6 | 212 | 0.23 |
| XR0077 | 386921 | 7286347 | 15 | 0.24 | 1.3 | 12.1 | 0.13 |
| XR0120 | 391415 | 7282404 | 14 | 0.8 | 11.7 | 20.9 | 0.68 |
| XR0056 | 385638 | 7288611 | 14 | 4.13 | 1.5 | 25.7 | 0.45 |
| XR0095 | 392139 | 7285165 | 13 | 1.01 | 2 | 24.1 | 0.26 |
| XR0048 | 388331 | 7289580 | 13 | 0.46 | 5 | 3.9 | 0.41 |
| XR0090 | 386402 | 7283200 | 12 | 0.41 | 14.8 | 6 | 0.78 |
| XR0049 | 387553 | 7289392 | 12 | 2.26 | 2.5 | 275 | 0.26 |
| XR0021 | 388098 | 7290502 | 12 | 1.39 | 2 | 27.7 | 0.21 |
| XR0079 | 387456 | 7285921 | 12 | 0.25 | 3.8 | 6.1 | 0.28 |
| XR0018 | 387233 | 7290609 | 12 | 0.16 | 0.5 | 2.7 | -0.05 |
| XR0083 | 387383 | 7282237 | 12 | 0.12 | 29.7 | 4.2 | 1.67 |
| XR0110 | 392339 | 7281733 | 11 | 21.2 | 5.1 | 334 | 0.99 |
| XR0080 | 386846 | 7284552 | 11 | 0.44 | 8.7 | 19.3 | 0.54 |
| XR0052 | 385601 | 7289056 | 10 | 0.19 | 3.5 | 22.8 | 0.24 |
| XR0097 | 391670 | 7283734 | 9 | 2.01 | 6.5 | 184.5 | 0.28 |
| XR0045 | 386544 | 7289704 | 9 | 0.08 | 8.5 | 1.4 | 0.65 |
| XR0033 | 385863 | 7290514 | 8 | 0.06 | 3.5 | 2.4 | 0.39 |
| XR0112 | 392283 | 7281727 | 8 | 17.1 | 1.3 | 332 | 0.23 |
| XR0031 | 386218 | 7290247 | 8 | 0.22 | 49.3 | 16.6 | 3.28 |
| XR0054 | 385728 | 7289151 | 8 | 1.07 | 0.5 | 162 | 0.06 |
| XR0001 | 387105 | 7290852 | 7 | 3.3 | 2.5 | 79.7 | 0.22 |
| XR0071 | 387703 | 7287783 | 7 | 0.06 | 17 | 1.7 | 1.21 |
| XR0078 | 386919 | 7286339 | 7 | 0.28 | 14.3 | 10.4 | 1.48 |
| XR0017 | 387262 | 7290604 | 7 | 0.26 | 1.4 | 3.9 | 0.06 |
| XR0003 | 387197 | 7290913 | 6 | 0.12 | 1.1 | 8.4 | 0.09 |
| XR0060 | 385855 | 7288521 | 6 | 0.2 | 1.2 | 2.1 | 0.08 |
| XR0088 | 385952 | 7287598 | 6 | 0.24 | 4.7 | 1.5 | 0.41 |
| XR0064 | 386352 | 7288328 | 6 | -0.05 | -0.1 | 0.3 | -0.05 |
| XR0010 | 387625 | 7290718 | 6 | 0.19 | 1.5 | 3.1 | 0.09 |
| XR0038 | 386206 | 7289759 | 6 | 0.38 | 5.3 | 12 | 0.4 |
| XR0081 | 387101 | 7283859 | 6 | 0.11 | 1.6 | 2.9 | 0.14 |

| Sample ID | Easting (mN) | Northing (mN) | Li2O (ppm) | Cs_ppm | Nb_ppm | Rb_ppm | Ta_ppm |
|---|---|---|---|---|---|---|---|
| XR0089 | 386041 | 7287862 | 6 | 0.08 | 1 | 2 | 0.1 |
| XR0006 | 387459 | 7290892 | 5 | 0.12 | 0.5 | 1.8 | 0.05 |
| XR0007 | 387540 | 7290851 | 5 | 0.08 | 0.6 | 0.6 | 0.05 |
| XR0047 | 388247 | 7290915 | 5 | 0.23 | 1.4 | 6.8 | 0.14 |
| XR0043 | 386460 | 7289247 | 5 | 0.12 | 4.2 | 4.5 | 0.25 |
| XR0036 | 385987 | 7289945 | 4 | 0.4 | 2.1 | 14.5 | 0.11 |
| XR0119 | 391946 | 7282342 | 4 | 4.24 | 0.1 | 246 | -0.05 |
| XR0111 | 392339 | 7281733 | 3 | 17.65 | 1 | 327 | 0.23 |
| XR0032 | 385987 | 7290446 | 3 | 0.32 | 0.7 | 8.2 | -0.05 |
| XR0068 | 387329 | 7288430 | 3 | 0.23 | 0.7 | 3.8 | 0.05 |
| XR0061 | 385855 | 7288494 | 2 | 0.05 | -0.1 | 0.7 | -0.05 |
| WP33004 | 391519 | 7282066 | BD | 1.88 | 1.5 | 220 | 0.1 |
| WP33005 | 391549 | 7282078 | BD | 3.14 | 2.55 | 330 | 0.3 |
| WP34001a | 390632 | 7281580 | BD | 10.3 | 0.2 | 386 | -0.1 |
| WP34002 | 390608 | 7281572 | BD | 7.17 | 0.38 | 459 | 0.1 |
| WP36001 | 392324 | 7281721 | BD | 14.8 | 0.21 | 537 | -0.1 |
| WP39002 | 392386 | 7282465 | BD | 0.1 | 0.3 | 1.4 | -0.1 |
| WP47003 | 391626 | 7283227 | BD | 2.68 | 2.06 | 244 | 0.3 |
| WP47006 | 391555 | 7283267 | BD | 9.56 | 10.35 | 410 | 2 |
| WP47008 | 391545 | 7283233 | BD | 6.61 | 6.06 | 454 | 1.9 |
| WP47009 | 391546 | 7283233 | BD | 9.04 | 2.75 | 337 | 0.4 |
| WP49003 | 391757 | 7283747 | BD | 2.78 | 0.95 | 243 | 0.1 |
| WP76022 | 394937 | 7282071 | BD | 0.16 | 15.85 | 24.1 | 0.7 |
| WP76024 | 395017 | 7282155 | BD | 0.14 | 1.89 | 5.2 | 0.1 |
| WP76025 | 394996 | 7282014 | BD | 0.12 | 9.58 | 5.2 | 0.7 |
| WP7619 | 394932 | 7282219 | BD | 0.21 | 16 | 5.6 | 0.9 |
| WP86002 | 394288 | 7285967 | BD | 0.99 | 0.83 | 21 | 0.2 |
| WP89002 | 391668 | 7283475 | BD | 7.51 | 0.17 | 472 | -0.1 |
| WP90002 | 391823 | 7282800 | BD | 5.06 | 0.93 | 354 | 0.1 |

# 1 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.*<br>• *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*<br>• *Aspects of the determination of mineralisation that are Material to the Public Report.*<br>• *In cases where 'industry standard' work has been done this would be relatively simple (e.g., 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g., submarine nodules) may warrant disclosure of detailed information.* | • Rock chip samples were taken with a hand-held geological pick across in-situ outcrop of geological interest. Typically, samples collected weighed between 1-3 kg and were stored within labelled calico bags or plastic zip lock bags and were photographed and logged prior to being dispatched to the laboratory. |
| *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.*<br>• *Measures taken to maximise sample recovery and ensure representative nature of the samples.*<br>• *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.* | • No drilling reported |
| *Logging* | • *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate* | • Rock chips were logged for lithology and alteration. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | *Mineral Resource estimation, mining studies and metallurgical studies.*<br>• *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.*<br>• *The total length and percentage of the relevant intersections logged.* | |
| *Sub-sampling techniques and sample preparation* | • *If core, whether cut or sawn and whether quarter, half or all core taken.*<br>• *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.*<br>• *For all sample types, the nature, quality and appropriateness of the sample preparation technique.*<br>• *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*<br>• *Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.*<br>• *Whether sample sizes are appropriate to the grain size of the material being sampled.* | • No drilling reported |
| *Quality of assay data and laboratory tests* | • *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.*<br>• *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.*<br>• *Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established.* | • Field introduced QA/QC procedures including the insertion of standards, blanks and field Duplicates was undertaken.<br>• Lab internal QA/QC procedures include insertion of standards, blanks and duplicates, grind checks and repeat analyses are standard procedure.<br>• Samples were hand delivered for analysis to ALS Malaga, Western Australia.<br>• Rock chip samples (X series) were analysed for gold and multi-element via ALS Au-ICp21 and 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.<br>• Rock chip samples (WP series) were analysed for gold and multi-element via ALS Au-ICp21 and ME-MS81/ME-4ACD81 method. Samples were analysed for: Ag, As, Ba, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Ga, Gd, Hf, Ho, La, Li, Lu, Mo, Nb, Nd, Ni, Pass75um, Pb, Pr, Rb, Sc, Sc, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr,<br>• Stream samples were analysed for gold and multi-element via ALS ME-MS61r method. Samples were analysed for: Ag, Al, As, 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.<br>• QA/QC samples are behaving within acceptable thresholds. |
| *Verification of sampling and assaying* | • *The verification of significant intersections by either independent or alternative company personnel.*<br>• *The use of twinned holes.*<br>• *Documentation of primary data, data entry procedures, data* | • Field data was collected by experienced contract geologist and field assistant. The data was collected and reconciled by comparison of field notes and GPS co-ordinates taken during the program.<br>• Assays were interrogated to determine anomalism of elements from background.<br>• All assays have been loaded into the Company's Aveza database and QAQC passes internal procedures.<br>• No adjustments have been applied to the assay data. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | *verification, data storage (physical and electronic) protocols.*<br>• *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.*<br>• *Specification of the grid system used.*<br>• *Quality and adequacy of topographic control.* | • The location of the soil samples was recorded using a hand-held GPS. With waypoints recorded at each location, within the Grid system is GDA94 zone 50S, and reconciled with the database. |
| *Data spacing and distribution* | • *Data spacing for reporting of Exploration Results.*<br>• *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.*<br>• *Whether sample compositing has been applied.* | • Rock Chips sampling is generally conducted in areas of available outcrop with sample spacing and density governed by geological variability<br>• Stream Sediments were collected from selected drainage trap locations. |
| *Orientation of data in relation to geological structure* | • *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.*<br>• *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.* | n/a |
| *Sample security* | • *The measures taken to ensure sample security.* | • Samples within calico bags are stored in sealed polyweave bags.<br>• Samples were hand 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.*<br>• *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.* | • EL09/2649 is an exploration license application in the name of OD4 Noonie Pty Ltd.<br>• Odessa Minerals owns a 100% interest in OD4 Noonies. There is a 1% royalty payable to the original vendor of OD4 Noonies 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.<br><br>All sample data reported is based on historic data from select sources 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.<br>• 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.<br>• 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:*<br>  ○ *easting and northing of the drill hole collar*<br>  ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*<br>  ○ *dip and azimuth of the hole*<br>  ○ *down hole length and interception depth*<br>  ○ *hole length.*<br>• *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.*<br>• *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.*<br>• *The assumptions used for any reporting of metal equivalent values should be clearly stated.* | • 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.*<br>• *If the geometry of the mineralisation with respect to the drill hole angle* | • No drilling reported |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *mineralisation n n widths and intercept lengths* | *is known, its nature should be reported.*<br>• *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known').* | |
| *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).*<br>• *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.* | • Odessa Minerals is planning on conducting additional field reconnaissance work including further verification sampling of historic results. Dependent on results of sampling, the project area will be subjected to reconnaissance drilling. |