15 May 2023

# HIGH GRADE LITHIUM RESULTS AT YINNETHARRA

## HIGHLIGHTS

- Lithium mineralisation confirmed with rock chip samples reporting highly encouraging assays of up to 2.3% $Li_2O$ (*lithium oxide*); 4295ppm Cs (*caesium*) and 705.8ppm Ta2O5 (*tantalum oxide*).
- Multiple large, strike extensive, lithium-bearing pegmatites of the Spodumene-Petalite Subtype ([1]Featherstone, J.M, 2004) confirmed at the Company's Yinnetharra tenements, directly adjoining Delta Lithium (formerly Red Dirt Metals) and Minerals 260 (Figure 1).
  Results from the Bonzer and Malibu Prospects at the Company's Morrissey Hill Project include:
- **Bonzer Prospect (Morrissey Hill E09/2375)**
  - 23RRRK00010 - **22,990ppm or 2.30% $Li_2O$,** 4295ppm Cs, 705.8ppm Ta2O5 and 7978ppm Rb.
  - 23RRRK0003 - **14,422ppm or 1.4% $Li_2O$,** 2873ppm Cs ,714.4ppm Ta2O5 and 4891ppm Rb.
  - 23RRRK0002 - **12,832ppm or 1.3% $Li_2O$,** 2205ppm Cs, 243.4ppm Ta2O5 and 4108ppm Rb.
- **Malibu Prospect (Morrissey Hill E09/2375)**
  - RRRK00046 - **6524ppm or 0.65% $Li_2O$,** 505ppm Cs, 81.1ppm Ta2O5 and 1426ppm Rb.
  - RRRK00047 - **2050ppm or 0.20% $Li_2O$,** 117ppm Cs, 185.5ppm Ta2O5 and 966ppm Rb.
  - RRRK00049 - **3547ppm or 0.35% $Li_2O$,** 190ppm Cs, 153.8ppm Ta2O5 and 1293ppm Rb.

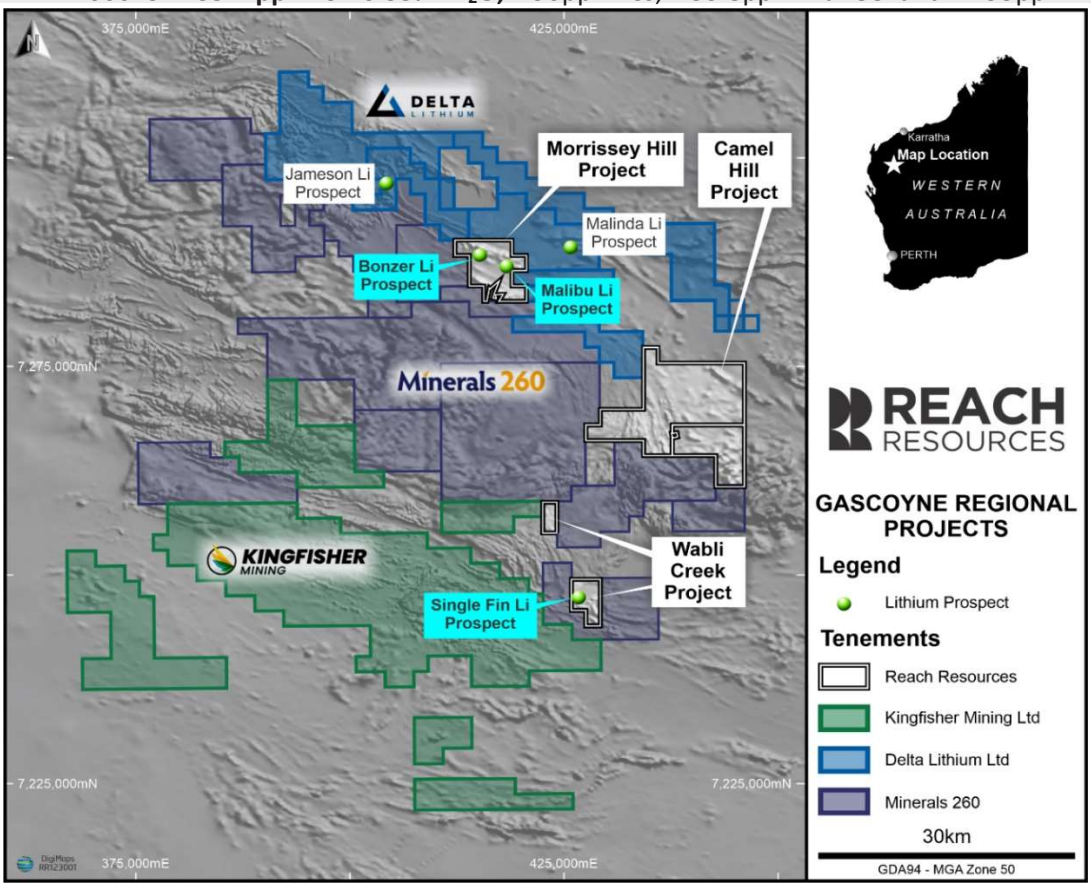


**FIGURE 1: Tenement location plan.**

Note 1. Featherstone, J.M 2004 Tantalum in Western Australia, Geological Survey of Western Australia

Commenting on the results CEO Jeremy Bower said:

"These are seriously good results, considering we have only had time to target a small percentage of the total outcropping pegmatites on site. We estimate in excess of over 50 pegmatites remain untested across our three projects.

We are particularly excited about the Bonzer Prospect, which is a clear walk-up drill target. We now have consistently high lithium grades from this very large pegmatite which is at least 1.5 km long with lithium bearing minerals at surface.

Our field crews are heading back to site next week to commence systematic surface geochemical sampling which should deliver a pipeline of additional target areas to those which we have recently identified. These results make our upcoming drill program very exciting for the Company and shareholders.

It is great to see the likes of David Flanagan's Delta Lithium and Tim Goyder's Minerals 260 taking big positions around us, we are clearly in a sweet spot of one of the hottest critical mineral regions in Australia right now.

Without putting too fine a point on it, the more time we spend on the ground the more lithium pegmatites we are finding and the greater the potential for success in the upcoming drilling programs. The Future is within Reach".

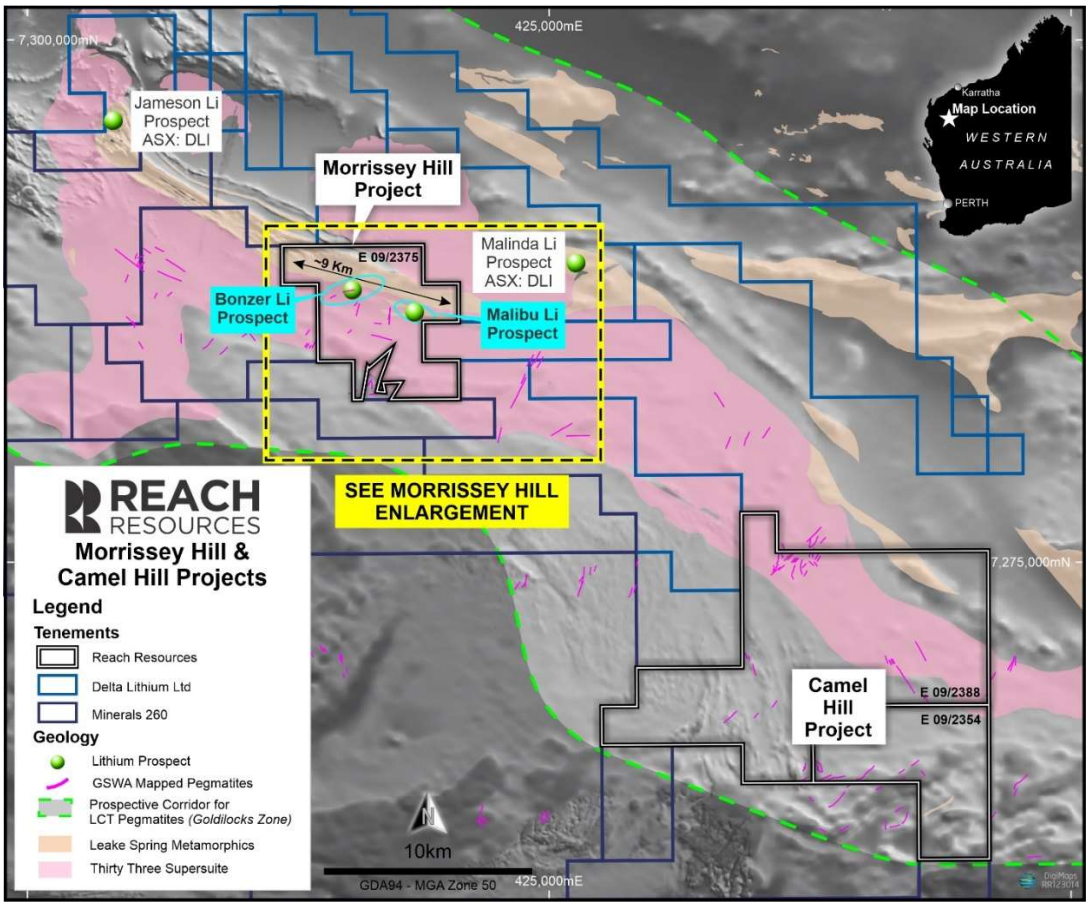


**FIGURE 2: Morrissey Hill and Camel Hill projects wholly within the interpreted Goldilocks zone for LCT pegmatite formation**

**Reach Resources Limited (ASX: RR1 & RR1O) ("Reach" or "the Company")** Yinnetharra Lithium Project comprises three large 100% owned strategically located projects, Morrissey Hill, Camel Hill and Wabli Creek, in the centre of the Yinnetharra area of the Gascoyne Mineral Province, totalling 232 $km^2$ (see Figure 1). The Projects are highly prospective for Lithium and Rare Earth Element mineralisation with demonstrated high grade results (Refer to RR1 ASX Announcement 13/02/2023).

RR1 recently conducted a limited scope helicopter supported reconnaissance rock chip sampling program aimed at confirming historical mapping and sampling results as well as targeting outcropping pegmatites identified by independent geological experts RSC. All of the pegmatites are located within the "Goldilocks" zone of the regionally extensive Thirty Three Granitic Supersuite – recognized as the parental source to the Yinnetharra rare metal pegmatites (Figure 2).

The Company is pleased to advise that it has significantly enhanced the potential of its Yinnetharra Lithium Project after receiving high grade lithium results from three separate pegmatite fields within its broader project area, namely Bonzer and Malibu at Morrissey Hill; Single Fin at Wabli Creek (Figures 1 and 2).

Interpretation of key geochemical element ratios including Tantalum and Niobium indicates that the pegmatites of interest belong to the Spodumene-Petalite Subtype of the Complex Rare Element Pegmatite Group ([1]Featherstone, J.M, 2004). Detailed mineralogical studies including XRD analyses are planned to determine the range of minerals present and to unequivocally identify lithium residency.

Significant results from the Bonzer and Malibu Prospects within the Morrissey Hill pegmatite field lie immediately adjacent to Delta Lithium's (ASX: DLI) Malinda Lithium Project and include:

**Bonzer Pegmatite**
23RRRK0010

- **22,990ppm or 2.30% Li2O (Lithium Oxide)**
- 4294.78ppm Cs (Caesium)
- 705.8ppm Ta2O5 (Tantalum Oxide), and
- 7978.2ppm Rb (Rubidium)

**Malibu Pegmatite**
23RRK0046

- **6524ppm or 0.65% $Li_2O$ (Lithium Oxide)**
- 505ppm Cs (Caesium)
- 81.1ppm Ta2O5 (Tantalum Oxide), and
- 1426 ppm Rb (Rubidium)

The Company's geological team is currently reviewing and interpreting remaining multi-element results from the program that were analysed for base and precious metals and rare earth elements (REE).

**Morrissey Hill Pegmatite Field**
**Bonzer Prospect**

RR1's recent rock chip sampling at the Bonzer Prospect has confirmed and extended a single historical sample which reported 1.3% $Li_2O$ within the north central portion of the Morrissey Hill project area.


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The Bonzer Pegmatite(s) outcrop is over a strike length of at least 1.5kilometres. High grade lithium results up to 2.30% $Li_2O$ have now been returned over a strike length of 150m from within the central zone.

Towards the east and west the unit becomes obscured beneath scree and thin transported cover (colluvium/alluvium) and remains untested. The pegmatites here are oriented east-west and intrude metasediments of the Leake Springs Metamorphics Group – the same sequence which is host to Delta Lithium's Malinda and Jameson Lithium Prospects located east and west of Morrissey Hill respectively (Figures 1-3).

The recent results have confirmed the Company's first large lithium bearing pegmatite swarm on ground at Morrissey Hill and will be the number one target for the Company's upcoming maiden drill program scheduled to commence during Q3 2023.

Numerous pegmatites marginal to the plane of this major pegmatite remain untested and will be the subject of detailed surface rock chip, geochemical soil and/or stream sediment sampling over the coming months.

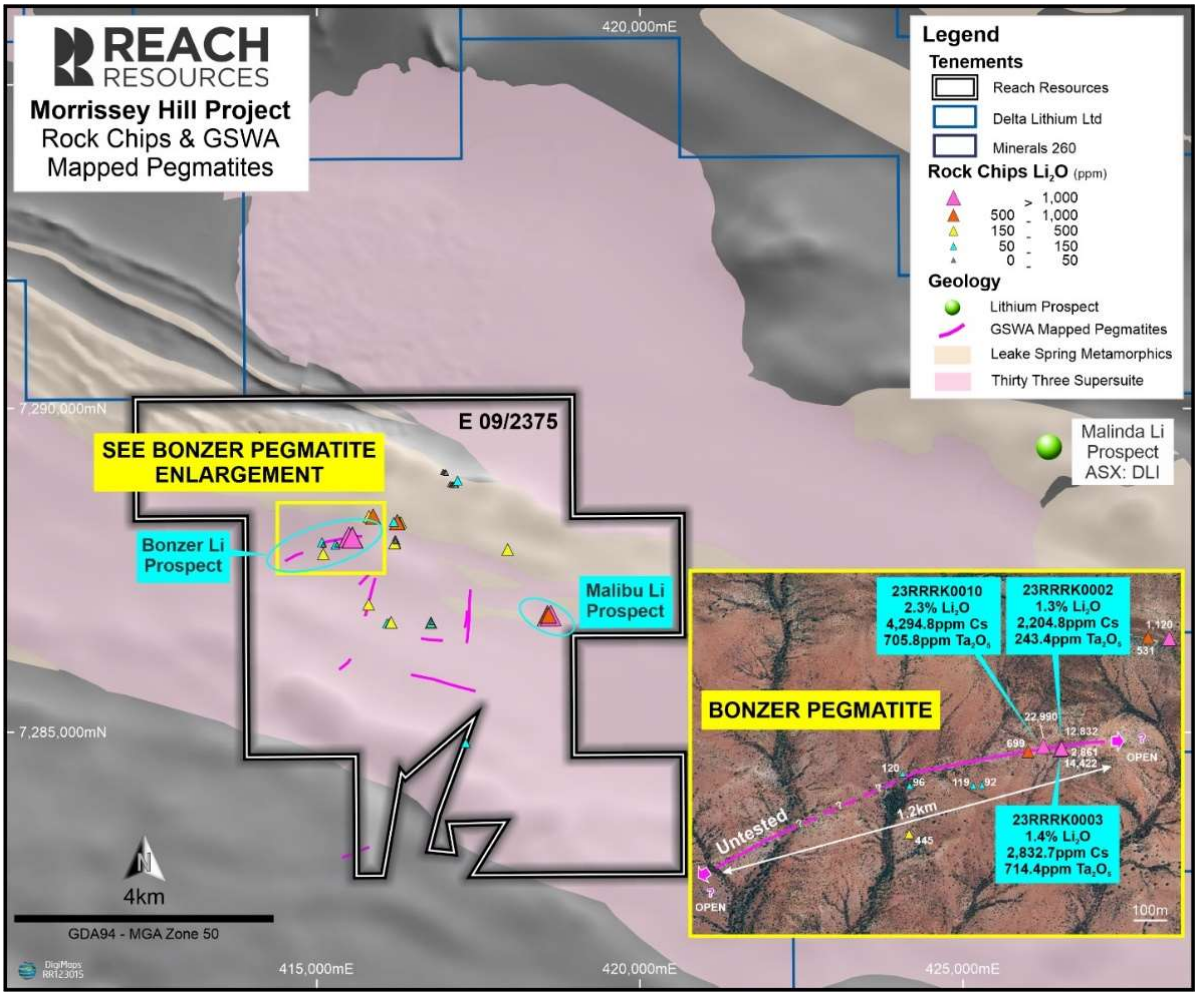


**FIGURE 3: Location plan of the Morrissey Hill Project showing the Bonzer and Malibu Pegmatite Prospects.**

**FIGURE 4: Close up photo of the coarse-grained Spodumene-Petalite Sub-type Pegmatite [1] – Morrissey Hill Bonzer Prospect.**

**Malibu Prospect**

The Malibu Pegmatite outcrops over a strike length of at least 500m and is located approximately 3 kilometers to the SE of the Bonzer Pegmatite. Like the Bonzer Pegmatite it is associated with metasediments of the Leake Springs Metamorphics Group. Malibu represents the second lithium bearing pegmatite field confirmed to date at our Morrissey Hill project (Figure 2 & Figure 5). Recent sampling has returned solid lithium values up to 6524 ppm (0.7%) Lithium Oxide as well as elevated caesium, tantalum and rubidium values which indicate a highly evolved lithium bearing pegmatite.

**FIGURE 5: The Malibu Pegmatite – Morrissey Hill Pegmatite Field.**
**Photo taken looking WNW along strike.**

**Wabli Creek Pegmatite Field**

**Single Fin Pegmatite**

Highly anomalous lithium and lithium pathfinder assay results have also been received from Single Fin within the Company's Wabli Creek Pegmatite Field and include elevated lithium, caesium, tantalum and rubidium typical of LCT pegmatites.

**Single Fin Prospect (Wabli Creek E09/2377)**
- RRRK00094 - **1577ppm or 0.16% $Li_2O$,** 36ppm Cs, 9ppm Ta2O5 and 603ppm Rb**.**
- RRRK00096 – **3177ppm or 0.32% $Li_2O$,** 302ppm Cs; 30ppm Ta and 1961ppm Rb.
- RRRK00098 - **2762ppm or 0.28% $Li_2O$,** 211ppm Cs, 128ppm Ta2O5 and 1597ppm Rb**.**

Additional rock chip sampling together with geochemical soil and stream sediment sampling will be used to identify any further potential lithium bearing pegmatites which will feed into future drill programs. This tenement is also awaiting lab analyses for REE which will be reported when interpretation is complete.


**FIGURE 6: RR1's CEO Jeremy Bower and Exploration Manager Steve Vallance on-site at Wabli Creek. Note large pegmatite quartz core outcrop in the background.**

**Camel Hill Pegmatite Field**

Limited work was completed at the Company's Camel Hill project during this most recent campaign due to time constraints however several areas of extensive pegmatite swarms reported by the GSWA were confirmed and will be the focus of ongoing rock chip, and geochemical soil and/or stream sediment sampling over the coming weeks (Figures 1 and 2).

**Next Steps**

- Field programs including surface geochemical surveys (soil, stream sediment and rock chip sampling) and mapping are planned to commence in late May.
- Drilling of the Bonzer prospect and other priority target areas is scheduled to commence in Q32023 once all regulatory approvals are received.

*This announcement has been authorised by the Board of Reach Resources Limited*

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**About Reach Resources Limited**

Reach Resources is a critical mineral explorer with a large portfolio of tenements in the resource rich Gascoyne Mineral Field. Recent and historical exploration results have confirmed the presence of Lithium, REE, Niobium and Manganese across the Company's land holdings.

However, the Company is distinct from other pure explorers by also having an Inferred Gold Resource at Payne's Find and an investment in downstream patented technology that recycles the rare earth elements from the permanent magnets required in electric vehicles, wind turbines, hard disk drives and MRI machines (REEcycle Inc.).

**Competent Person's Statement**

Information in this announcement that relates to exploration results is based on and fairly represents information and supporting documentation prepared and compiled by Mr Steve Vallance, who is a Member of the Australian Institute of Geoscientists. Mr Vallance is the Exploration Manager for Reach Resources Limited employed on a full-time basis. Mr Vallance has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person, as defined in the 2012 Edition of the Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves. Mr Vallance consents to the inclusion in the announcement of the matters based on this information in the form and context in which it appears.

**No New Information**

Except where explicitly stated, this announcement contains references to prior exploration results, all of which have been cross-referenced to previous market announcements made by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements.

**Forward Looking Statement**

This report contains forward looking statements concerning the projects owned by Reach Resources Limited. If applicable, statements concerning mining reserves and resources may also be deemed to be forward looking statements in that they involve estimates based on specific assumptions. Forward-looking statements are not statements of historical fact and actual events and results may differ materially from those described in the forward looking statements as a result of a variety of risks, uncertainties and other factors. Forward looking statements are based on management's beliefs, opinions and estimates as of the dates the forward looking statements are made and no obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.



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TABLE 1: SUMMARY OF ROCK CHIP SAMPLING LOCATION AND LITHIUM PATHFINDER GEOCHEMISTRY

| SAMPLE NUMBERS | MGA_East | MGA_North | Li | $Li_2O$ | $Li_2O$ | Cs | Cs | Ta | $Ta_2O_5$ | Ba | Be | Be | Ga | Ga | Nb | Rb | Rb | Sn | Sn | ELEMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | UNITS |
| | | | 1 | 3 | | 0.05 | 0.05 | 0.1 | 0.2 | 0.1 | 0.05 | 1 | 0.05 | 1 | 10 | 0.05 | 0.5 | 0.1 | 2 | DETECTION |
| | | | FP6/MS | FP6/MS | FP6/MS | 4A/MS | FP6/MS | FP6/MS | FP6/MS | 4A/MS | 4A/MS | FP6/MS | 4A/MS | FP6/MS | FP6/MS | 4A/MS | FP6/MS | 4A/MS | FP6/MS | METHOD |
| 23RRK0002 | 415,549 | 7,288,007 | 5960 | 12832 | **1.2832** | >2000.00 | 2204.78 | 199.4 | 243.4 | 18.2 | 368.5 | 384 | 38.51 | 38 | 51 | >2000.00 | 4107.8 | 4.6 | 5 | |
| 23RRK0003 | 415,545 | 7,288,002 | 6699 | 14422 | **1.4422** | >2000.00 | 2832.72 | 585.1 | 714.4 | 82.4 | 10.52 | 11 | 38.3 | 39 | 68 | >2000.00 | 4890.9 | 2.5 | 4 | |
| 23RRK0004 | 415,450 | 7,287,994 | 325 | 699 | 0.0699 | 36.53 | | 13.1 | 16 | 30.2 | 5.04 | 5 | 13.56 | 15 | 36 | 472.7 | | 6.7 | 7 | |
| 23RRK0005 | 415,314 | 7,287,895 | 43 | 92 | 0.0092 | 20.43 | | 3.3 | 4 | 191.2 | 2.47 | 2 | 17.65 | 20 | 25 | 374.81 | | 8.2 | 8 | |
| 23RRK0006 | 415,289 | 7,287,894 | 55 | 119 | 0.0119 | 13.77 | | 7.9 | 9.7 | 40.4 | 1.65 | 2 | 20.66 | 30 | 55 | 178.06 | | 11.1 | 13 | |
| 23RRK0007 | 415,080 | 7,287,931 | 56 | 120 | 0.012 | 1.09 | | 1.3 | 1.6 | 66.5 | 3.41 | 7 | 19.57 | 40 | 13 | 8.12 | | 9.1 | 16 | |
| 23RRK0008 | 415,099 | 7,287,894 | 45 | 96 | 0.0096 | 16.75 | | 3 | 3.7 | 626.7 | 1.4 | 1 | 23.01 | 25 | 25 | 241.22 | | 30 | 29 | |
| 23RRK0009 | 415,099 | 7,287,752 | 207 | 445 | 0.0445 | 37.6 | | 4.1 | 5 | 17 | 6.6 | 7 | 24.88 | 25 | 43 | 1000.26 | | 3.6 | 3 | |
| 23RRK0010 | 415,496 | 7,288,011 | 10678 | 22990 | **2.299** | >2000.00 | 4294.78 | 578 | 705.8 | 293.6 | 16.98 | 17 | 68.15 | 70 | 82 | >2000.00 | 7978.2 | 4.7 | 6 | |
| 23RRK0011 | 415,550 | 7,288,005 | 1329 | 2861 | **0.2861** | 395.31 | | 87.7 | 107 | 7.5 | 5.72 | 6 | 23.44 | 28 | 67 | 743.32 | | 3.7 | 4 | |
| 23RRK0012 | 414,114 | 7,289,604 | 33 | 71 | 0.0071 | 10.11 | | 18.6 | 22.7 | 264.1 | 2.41 | 3 | 24.85 | 32 | 17 | 64.85 | | 3.2 | 5 | |
| 23RRK0013 | 415,806 | 7,288,334 | 247 | 531 | **0.0531** | 41.63 | | 1.5 | 1.8 | 259.2 | 1.75 | 3 | 14.23 | 23 | 15 | 167.23 | | 3.4 | 5 | |
| 23RRK0014 | 415,869 | 7,288,330 | 520 | 1120 | **0.112** | 77.37 | | 39.9 | 48.7 | 179 | 85.11 | 129 | 25.77 | 26 | 48 | 923.37 | | 4.6 | 5 | |
| 23RRK0015 | 416,215 | 7,287,991 | 45 | 97 | 0.0097 | 5.32 | | 1.5 | 1.8 | 123.1 | 0.69 | X | 6.34 | 8 | 11 | 71.23 | | 6.3 | 7 | |
| 23RRK0016 | 416,215 | 7,287,964 | 54 | 115 | 0.0115 | 13.88 | | 3.3 | 4.1 | 260.2 | 1.52 | 1 | 20.37 | 21 | 17 | 136.78 | | 15.2 | 15 | |
| 23RRK0017 | 416,215 | 7,287,954 | 45 | 96 | 0.0096 | 11.78 | | 1.9 | 2.3 | 133.9 | 0.36 | X | 13.32 | 14 | 16 | 143.78 | | 30.9 | 32 | |
| 23RRK0018 | 416,212 | 7,287,945 | 48 | 103 | 0.0103 | 14.92 | | 6.1 | 7.4 | 93.3 | 1.53 | 1 | 17.57 | 19 | 25 | 161.45 | | 23.5 | 24 | |
| 23RRK0019 | 416,207 | 7,287,936 | 237 | 511 | **0.0511** | 128.14 | | 1.7 | 2.1 | 595.7 | 4.21 | 4 | 26.23 | 28 | 19 | 704.92 | | 7.6 | 8 | |
| 23RRK0020 | 416,200 | 7,287,918 | 363 | 781 | **0.0781** | 67.44 | | 53.5 | 65.3 | 162.3 | 31.7 | 36 | 21.06 | 21 | 34 | 800.36 | | 16.5 | 17 | |
| 23RRK0021 | 416,149 | 7,286,693 | 368 | 792 | **0.0792** | 7.52 | | 14.9 | 18.2 | 8.2 | 4.25 | 6 | 43.81 | 63 | 37 | 64.74 | | 2.3 | 3 | |
| 23RRK0022 | 416,144 | 7,286,697 | 63 | 135 | 0.0135 | 5.13 | | 1.1 | 1.4 | 166.7 | 1.58 | 1 | 12.97 | 14 | 12 | 56.77 | | 2.8 | 3 | |
| 23RRK0023 | 416,132 | 7,286,693 | 100 | 215 | 0.0215 | 14.54 | | 8.2 | 10 | 96.8 | 14.7 | 15 | 22.35 | 23 | 31 | 179.51 | | 4.3 | 4 | |
| 23RRK0024 | 416,088 | 7,286,680 | 127 | 274 | 0.0274 | 37.03 | | 64.9 | 79.2 | 307.2 | 147.6 | 159 | 32.44 | 32 | 74 | 685.47 | | 10.7 | 10 | |
| 23RRK0025 | 416,765 | 7,286,688 | 248 | 535 | **0.0535** | 47.51 | | 138.2 | 168.8 | 236.1 | 72.47 | 108 | 30.85 | 32 | 65 | 574.5 | | 15.4 | 15 | |
| 23RRK0026 | 416,765 | 7,286,688 | 142 | 307 | 0.0307 | 33.61 | | 35.4 | 43.2 | 254 | 100.47 | 130 | 33.87 | 34 | 71 | 689.7 | | 11 | 11 | |
| 23RRK0027 | 416,765 | 7,286,688 | 71 | 153 | 0.0153 | 21.48 | | 4.5 | 5.4 | 258.5 | 8.63 | 9 | 16.71 | 17 | 14 | 427.16 | | 6.8 | 7 | |
| 23RRK0028 | 416,778 | 7,286,696 | 22 | 47 | 0.0047 | 2.97 | | 0.8 | 1 | 348.1 | 2.45 | 2 | 14.29 | 14 | X | 69.65 | | 1.5 | 2 | |
| 23RRK0029 | 416,778 | 7,286,696 | 10 | 22 | 0.0022 | 1.28 | | 0.5 | 0.7 | 191.6 | 1.26 | 1 | 11.59 | 12 | X | 35.64 | | 0.7 | X | |
| 23RRK0030 | 417,952 | 7,287,821 | 173 | 372 | 0.0372 | 119.01 | | 8.7 | 10.6 | 12.5 | 3.04 | 4 | 9.37 | 11 | 20 | 334.32 | | 8.1 | 9 | |
| 23RRK0031 | 415,800 | 7,286,972 | 21 | 46 | 0.0046 | 9.47 | | 0.4 | 0.5 | 146.5 | 21.07 | 19 | 15.83 | 18 | X | 72.91 | | 1.4 | 3 | |
| 23RRK0032 | 416,966 | 7,289,012 | 27 | 59 | 0.0059 | 5.47 | | 0.7 | 0.9 | 153.7 | 8.5 | 10 | 17.93 | 25 | X | 38.51 | | 1.3 | 2 | |
| 23RRK0033 | 416,951 | 7,289,021 | 50 | 107 | 0.0107 | 19.61 | | 3 | 3.6 | 453.6 | 3.15 | 3 | 14.45 | 15 | 23 | 395.58 | | 11.6 | 11 | |
| 23RRK0034 | 416,989 | 7,289,012 | 24 | 51 | 0.0051 | 4.45 | | 1 | 1.2 | 203 | 2.25 | 2 | 4.88 | 5 | X | 84.82 | | 3.9 | 4 | |
| 23RRK0035 | 416,999 | 7,289,005 | 4 | 9 | 0.0009 | 0.73 | | X | X | 29.1 | 0.33 | X | 1.19 | 2 | X | 8.05 | | 0.4 | X | |
| 23RRK0036 | 417,176 | 7,288,885 | 62 | 133 | 0.0133 | 38.29 | | 37.7 | 46 | 182.1 | 4.27 | 4 | 18.28 | 19 | 36 | 712.58 | | 45.7 | 43 | |
| 23RRK0037 | 417,150 | 7,288,816 | 4 | 8 | 0.0008 | 1.01 | | 0.1 | X | 71.4 | 0.27 | X | 0.22 | X | X | 2.08 | | 1.1 | X | |
| 23RRK0038 | 417,158 | 7,288,818 | 5 | 10 | 0.001 | 2.57 | | 0.1 | X | 85.1 | 0.57 | X | 0.32 | X | X | 4.18 | | 1.9 | 3 | |
| 23RRK0039 | 417,123 | 7,288,818 | 2 | 4 | 0.0004 | 0.5 | | X | X | 975.1 | 3.75 | 4 | 0.65 | 1 | X | 1.83 | | 8.7 | 10 | |
| 23RRK0040 | 417,117 | 7,288,818 | 11 | 24 | 0.0024 | 0.33 | | X | X | 59.9 | 0.05 | X | 0.17 | X | X | 0.98 | | 1 | X | |
| 23RRK0041 | 417,100 | 7,288,821 | 6 | 12 | 0.0012 | 0.73 | | 0.2 | 0.2 | 88.3 | 0.78 | X | 0.83 | 1 | X | 6.5 | | 4.7 | 5 | |
| 23RRK0042 | 417,085 | 7,288,823 | 4 | 9 | 0.0009 | 0.57 | | X | X | 316.5 | 2.77 | 3 | 1.15 | 2 | X | 1.92 | | 13.4 | 15 | |
| 23RRK0043 | 417,061 | 7,288,830 | 5 | 11 | 0.0011 | 1.4 | | X | X | 101.7 | 1.11 | 1 | 0.88 | 1 | X | 3.45 | | 1.5 | 2 | |
| 23RRK0044 | 418,542 | 7,286,789 | 92 | 199 | 0.0199 | 17.19 | | 334.6 | 408.6 | 14.7 | 4.57 | 5 | 22.57 | 23 | 1119 | 154.41 | | 2.4 | 3 | |
| 23RRK0045 | 418,563 | 7,286,797 | 834 | 1795 | **0.1795** | 112.4 | | 35 | 42.7 | 39.5 | 35.2 | 36 | 45.45 | 47 | 90 | 857.94 | | 19.6 | 18 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23RRK0046 | 418,567 | 7,286,795 | 3030 | 6524 | **0.6524** | 476.77 | | 66.4 | 81.1 | 76.1 | 39.48 | 75 | 32.26 | 38 | 246 | 1426.49 | | 20.1 | 21 |
| 23RRK0047 | 418,588 | 7,286,801 | 952 | 2050 | **0.205** | 109.98 | | 151.9 | 185.5 | 50.2 | 8.98 | 9 | 33.43 | 37 | 293 | 966.3 | | 23.8 | 23 |
| 23RRK0048 | 418,599 | 7,286,800 | 115 | 249 | 0.0249 | 167.69 | | 11.8 | 14.4 | 52.4 | 33.21 | 38 | 15.86 | 17 | 16 | 1550.48 | | 0.9 | X |
| 23RRK0049 | 418,620 | 7,286,797 | 1647 | 3547 | **0.3547** | 190.02 | | 125.9 | 153.8 | 35.2 | 101.48 | 112 | 56.84 | 59 | 391 | 1293.21 | | 39.9 | 39 |
| 23RRK0050 | 418,526 | 7,286,793 | 76 | 163 | 0.0163 | 19.94 | | 0.9 | 1.1 | 154.4 | 1.87 | 2 | 7.11 | 8 | X | 68.22 | | 1.5 | X |
| 23RRK0051 | 416,296 | 7,288,237 | 151 | 325 | 0.0325 | 31.71 | | 3.8 | 4.7 | 265.5 | 1.73 | 3 | 15.56 | 24 | 14 | 129.51 | | 10.6 | 11 |
| 23RRK0052 | 416,284 | 7,288,229 | 119 | 256 | 0.0256 | 27.74 | | 33.2 | 40.5 | 96.3 | 318.4 | 436 | 23.28 | 23 | 49 | 582.01 | | 7 | 7 |
| 23RRK0053 | 416,270 | 7,288,234 | 338 | 727 | 0.0727 | 47.29 | | 53 | 64.7 | 324.9 | 45.28 | 63 | 46.17 | 49 | 101 | 837.36 | | 16.6 | 18 |
| 23RRK0054 | 416,242 | 7,288,242 | 717 | 1545 | **0.1545** | 195.75 | | 6.7 | 8.2 | 596.6 | 12.39 | 14 | 34.26 | 36 | 30 | 1613 | | 9.3 | 10 |
| 23RRK0055 | 416,191 | 7,288,247 | 84 | 181 | 0.0181 | 17.53 | | 33.5 | 41 | 60.8 | 76.08 | 123 | 22.79 | 22 | 55 | 280.42 | | 5.1 | 5 |
| 23RRK0056 | 417,303 | 7,284,833 | 80 | 173 | 0.0173 | 27.91 | | 13.6 | 16.6 | 25.7 | 5.75 | 5 | 19.71 | 20 | 68 | 387.73 | | 4.1 | 5 |
| 23RRK0057 | 435,749 | 7,274,689 | 26 | 57 | 0.0057 | 3.31 | | 1.7 | 2 | 121.5 | 4.52 | 4 | 20.17 | 21 | 22 | 92.35 | | 5.8 | 7 |
| 23RRK0058 | 435,749 | 7,274,689 | 45 | 96 | 0.0096 | 9.58 | | 0.7 | 0.8 | 513.3 | 4.32 | 4 | 11.65 | 12 | 15 | 110.13 | | 3 | 3 |
| 23RRK0059 | 435,749 | 7,274,689 | 15 | 33 | 0.0033 | 1.94 | | 1 | 1.2 | 387.8 | 1.71 | 2 | 16.51 | 19 | 19 | 59.53 | | 2.5 | 3 |
| 23RRK0060 | 440,848 | 7,274,437 | 19 | 41 | 0.0041 | 2.37 | | 0.7 | 0.9 | 466.9 | 2.8 | 3 | 13.63 | 14 | 15 | 50.65 | | 1.9 | 3 |
| 23RRK0061 | 440,835 | 7,274,434 | 17 | 38 | 0.0038 | 1.81 | | 0.8 | 1 | 192.8 | 1.95 | 2 | 12.63 | 13 | 17 | 36.66 | | 1.2 | 2 |
| 23RRK0062 | 440,812 | 7,274,399 | 23 | 48 | 0.0048 | 5.76 | | 0.7 | 0.9 | 698.6 | 3.25 | 4 | 13.15 | 19 | 17 | 58.95 | | 1.9 | 3 |
| 23RRK0063 | 440,810 | 7,274,384 | 44 | 94 | 0.0094 | 5.85 | | 0.8 | 1 | 487.5 | 6.32 | 9 | 30.17 | 42 | X | 114.06 | | 3.6 | 4 |
| 23RRK0064 | 440,804 | 7,274,337 | 8 | 16 | 0.0016 | 2.21 | | 0.3 | 0.4 | 468.8 | 30.48 | 30 | 4.34 | 8 | X | 20.29 | | 0.6 | X |
| 23RRK0065 | 440,800 | 7,274,339 | 10 | 20 | 0.002 | 1.06 | | 0.4 | 0.4 | 468.5 | 10.11 | 10 | 7.61 | 11 | 12 | 32.66 | | 0.9 | X |
| 23RRK0066 | 440,855 | 7,274,320 | 6 | 14 | 0.0014 | 3.15 | | 0.7 | 0.8 | 267 | 61.23 | 61 | 3.8 | 4 | X | 25.7 | | 0.4 | X |
| 23RRK0067 | 440,857 | 7,274,320 | 10 | 22 | 0.0022 | 2.36 | | 1 | 1.3 | 421.1 | 13.78 | 15 | 8.72 | 10 | 15 | 42.11 | | 1.2 | 3 |
| 23RRK0068 | 428,716 | 7,245,299 | 12 | 26 | 0.0026 | 36.24 | | 0.9 | 1.1 | 307.9 | 1933.24 | 2338 | 17.26 | 20 | 12 | 1077.04 | | 0.2 | X |
| 23RRK0069 | 428,727 | 7,245,295 | 5 | 10 | 0.001 | 23.9 | | 1.2 | 1.5 | 203.2 | 900.23 | 914 | 18.7 | 20 | 13 | 539.25 | | 0.2 | X |
| 23RRK0070 | 428,778 | 7,245,262 | 5 | 11 | 0.0011 | 34.59 | | 3.1 | 3.8 | 292.2 | 15.38 | 17 | 17.32 | 19 | 20 | 667.95 | | 1 | 2 |
| 23RRK0071 | 428,764 | 7,245,286 | 21 | 46 | 0.0046 | 9.27 | | 8.9 | 10.9 | 66.5 | 11.48 | 12 | 24.45 | 25 | 39 | 131.5 | | 2.4 | 3 |
| 23RRK0072 | 428,747 | 7,245,326 | 19 | 42 | 0.0042 | 0.49 | | 0.7 | 0.9 | 768.7 | 3.58 | 4 | 31 | 45 | 10 | 29.1 | | 3 | 6 |
| 23RRK0073 | 428,747 | 7,245,326 | 8 | 18 | 0.0018 | 1.2 | | 2.7 | 3.3 | 205.1 | 4.74 | 5 | 8.35 | 10 | 15 | 19.65 | | 0.4 | X |
| 23RRK0074 | 428,747 | 7,245,326 | 11 | 23 | 0.0023 | 1.4 | | 1.6 | 1.9 | 1033.5 | 3.78 | 4 | 16.97 | 17 | 18 | 55.65 | | 6.5 | 7 |
| 23RRK0075 | 427,924 | 7,246,069 | 5 | 10 | 0.001 | 4.51 | | 3.5 | 4.3 | 109.5 | 7.32 | 7 | 23.39 | 24 | 36 | 115.13 | | 1.8 | 3 |
| 23RRK0076 | 427,905 | 7,246,067 | 32 | 69 | 0.0069 | 15.49 | | 1 | 1.3 | 936.7 | 3.82 | 4 | 16.73 | 19 | 19 | 134.23 | | 7 | 8 |
| 23RRK0077 | 427,904 | 7,246,066 | 17 | 37 | 0.0037 | 0.23 | | 0.2 | 0.3 | 209.9 | 0.19 | X | 0.6 | 2 | 13 | 2.98 | | 0.2 | X |
| 23RRK0078 | 427,897 | 7,246,085 | 3 | 6 | 0.0006 | 12.61 | | 12.3 | 15 | 194.2 | 6.93 | 8 | 19.43 | 20 | 25 | 157.06 | | 1.6 | 3 |
| 23RRK0079 | 427,891 | 7,246,089 | 14 | 29 | 0.0029 | 3.08 | | 2 | 2.4 | 485.2 | 2.19 | 2 | 15.85 | 18 | 25 | 90.38 | | 6.2 | 8 |
| 23RRK0080 | 427,913 | 7,246,088 | 5 | 10 | 0.001 | 8.03 | | 1.3 | 1.6 | 2514.1 | 70.21 | 70 | 3.78 | 8 | 14 | 15.01 | | 0.9 | 2 |
| 23RRK0081 | 427,915 | 7,246,176 | 3 | 7 | 0.0007 | 1.19 | | 2.4 | 2.9 | 174 | 1.66 | 2 | 9.7 | 18 | 20 | 12.76 | | 2.1 | 3 |
| 23RRK0082 | 427,922 | 7,246,198 | 4 | 8 | 0.0008 | 0.73 | | 0.5 | 0.6 | 93.6 | 1.59 | 2 | 4.11 | 8 | 14 | 11.36 | | 0.9 | X |
| 23RRK0083 | 427,916 | 7,246,273 | 5 | 11 | 0.0011 | 2.36 | | 0.9 | 1.1 | 283.4 | 1.21 | 1 | 20.51 | 22 | 23 | 73.2 | | 1.4 | 2 |
| 23RRK0084 | 427,985 | 7,246,196 | 9 | 19 | 0.0019 | 4.87 | | 0.6 | 0.8 | 361.3 | 1.38 | 1 | 5.07 | 8 | 16 | 48.26 | | 1.7 | 3 |
| 23RRK0085 | 427,981 | 7,246,181 | 39 | 84 | 0.0084 | 10.64 | | 1.1 | 1.3 | 1524.9 | 3.37 | 4 | 12.27 | 15 | 20 | 73.14 | | 3.2 | 4 |
| 23RRK0086 | 427,977 | 7,246,176 | 6 | 13 | 0.0013 | 4.38 | | 0.8 | 1 | 1597.4 | 2.28 | 2 | 5.69 | 8 | 17 | 57.61 | | 2.3 | 4 |
| 23RRK0087 | 427,975 | 7,246,163 | 22 | 47 | 0.0047 | 12.59 | | 1.1 | 1.3 | 389.5 | 1.8 | 2 | 18.91 | 23 | 21 | 168.65 | | 5.2 | 6 |
| 23RRK0088 | 427,970 | 7,246,148 | 32 | 68 | 0.0068 | 17 | | 1.7 | 2 | 439.8 | 2.56 | 3 | 22.61 | 26 | 27 | 130.75 | | 6 | 8 |
| 23RRK0089 | 427,968 | 7,246,130 | 4 | 9 | 0.0009 | 2.33 | | X | X | 88.6 | 0.28 | X | 1.77 | 3 | X | 30.79 | | 0.3 | X |
| 23RRK0090 | 427,969 | 7,246,129 | 31 | 67 | 0.0067 | 3.08 | | 0.9 | 1.1 | 79.3 | 1.35 | 2 | 4.21 | 7 | 16 | 36.65 | | 0.9 | X |
| 23RRK0091 | 428,043 | 7,245,519 | 2 | 5 | 0.0005 | 5.48 | | 2 | 2.5 | 53.4 | 4.02 | 4 | 16.75 | 19 | 11 | 161.92 | | 0.4 | X |
| 23RRK0092 | 428,026 | 7,245,526 | 13 | 27 | 0.0027 | 1.52 | | 2 | 2.4 | 37.8 | 3.18 | 5 | 35.34 | 51 | X | 43.26 | | 1.7 | 3 |
| 23RRK0093 | 427,991 | 7,245,572 | 5 | 12 | 0.0012 | 0.7 | | 1.3 | 1.5 | 1651 | 0.91 | X | 10.57 | 12 | 20 | 5.83 | | 2.3 | 3 |
| 23RRK0094 | 428,242 | 7,248,490 | 732 | 1577 | **0.1577** | 35.75 | | 7.5 | 9.1 | 83.4 | 12.03 | 12 | 19.9 | 24 | 50 | 603 | | 74.6 | 72 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23RRK0096 | 426,644 | 7,247,636 | 1476 | 3177 | **0.3177** | 302.5 | | 8.5 | 10.3 | 536 | 47.45 | 57 | 30.25 | 29 | 49 | 1960.75 | | 45.2 | 44 |
| 23RRK0097 | 426,635 | 7,247,714 | 14 | 29 | 0.0029 | 1.03 | | 55251.3 | 67464.6 | 549 | 3.96 | 7 | 26.85 | 32 | 100127 | 10.19 | | 163.5 | 262 |
| 23RRK0098 | 426,611 | 7,247,844 | 1283 | 2762 | **0.2762** | 211.13 | | 105 | 128.2 | 1214.3 | 9.25 | 10 | 44.74 | 46 | 304 | 1596.59 | | 101.1 | 101 |
| 23RRK0099 | 433,236 | 7,267,002 | 14 | 29 | 0.0029 | 2.41 | | 842.9 | 1029.2 | 443.3 | 1.41 | 1 | 25.14 | 26 | 1556 | 128.24 | | 17.9 | 19 |
| 23RRK0100 | 433,209 | 7,266,996 | 14 | 30 | 0.003 | 2.67 | | 11.7 | 14.3 | 428.2 | 1.21 | 1 | 29.35 | 31 | 61 | 156.95 | | 15.6 | 15 |

# JORC Code, 2012 Edition – Table 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 (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.*<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 (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.* | Recent surface sampling (Rock Chip) reported in this ASX release was undertaken by Reach Resources Ltd targeting Lithium, Precious and Base Metal and Rare Earth Element mineralisation.<br>• 100 rock chip samples were taken as random chips and/or grab samples.<br>• Sample weights ranged between 1 and 3kg, collected in individually numbered calico bags and secured polyweave sacks.<br>• Each sample was photographed and located using handheld GPS.<br>• Multi-element analysis was completed by Intertek Laboratories Perth WA using 4 acid digest with ICPMS finish; Sodium peroxide fusion and ICPMS finish and by fire assay with ICPOES finish.<br>• Analysis was completed for Au, 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, Pb, Pr, Rb, Re, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tm, U, V, W, Y, Yb, Zn, Zr.<br><br>Historical surface sampling (rock-chip and soil) reported in this ASX release was undertaken historically by:<br>○ Pure Minerals in 2018, targeting for Li and Ta in its Morrissey Hill Project.<br>○ Mineral Developments in 2017, targeting beryl, Li, mica, REEs and U in the Morrissey Hill project.<br><br>**Pure Minerals, Morrissey Hill Project: (2018, A number: 117605)**<br>• Soil (1112) and rock chip (50) samples were collected by Pure Minerals during a surface sampling programme at the Morrissey Hill tenement. Pure Minerals used a portable XRF analyser to analyse the soil and rock chip samples in field, before being submitted for laboratory |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | | analyses.<br>• There are no historical records of measures taken by Pure Minerals to ensure sample representivity of the primary sample.<br>• Soil samples were collected by removing the loose surface material and sampling to a depth of 5–10 cm beneath the surface. The first batch of soil samples (MSS0001–0133) were collected during Sept/Oct 2017 and the collected material was sieved using a 2 mm mesh and the -2 mm component was collected for analysis by MS91 ($Na_2O_2$ fusion, ICP-AES and ICP-MS). The second batch of soil samples (MSS01134–1112) were collected during March 2018 and the collected material was sieved using an 80 Mesh sieve and the -80 mesh component was collected for analysis. Rock-chip samples (MHS0001–0050) were collected, primarily from pegmatites; however, no further information is available on the sampling techniques used for the rock-chip samples.<br><br>**Mineral Developments, Morrissey Hill Project: (2017, A number: 114717)**<br>• Rock-chip samples (17) were collected by Mineral Developments during field reconnaissance at the Morrissey Hill tenement.<br>• There are no historical records of measures taken by Mineral Developments to ensure sample representivity of the primary sample.<br>• There is no further information available on the sampling techniques used for the rock-chip samples. |
| *Drilling techniques* | • *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).* | • No drilling has been reported in this ASX release. |
| *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 has been reported in this ASX release. |
| *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* | • No drilling has been reported in this ASX release..<br>• No drilling has been reported in this ASX release. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | *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 was used by Reach Resources to take these samples.<br>• Industry standard whole rock samples of 1-3kg were collected by Reach Resources and considered to be appropriate for this style of sampling.<br>• No records are available on sub-sampling techniques for Pure Minerals and Mineral Developments; therefore, the quality and appropriateness of the sample preparation techniques is unknown. The Competent Person considers this acceptable for high-level prospectivity targeting.<br>• No records are available on whether any quality control procedures were adopted during the sub-sampling stages by Pure Minerals and Mineral Developments.<br>• There are no records of any duplicate samples for Pure Minerals and Mineral Developments surface samples.<br>• Sample sizes with respect to grain size are unknown for the surface samples collected by Pure Minerals and Mineral Developments. |
| *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 (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.* | **Reach Resources**<br>• Assaying was conducted by Intertek Laboratories, Perth WA.<br>• Samples were sorted, dried, crushed, pulverized.<br>• Multi-element analysis was completed on all samples via 4A/MS48; FP6/MS33 and FA50/OE04 techniques which are considered appropriate for the range of commodities being targeted and the sampling being undertaken.<br>• Analysis was completed for Au, 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, Pb, Pr, Rb, Re, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tm, U, V, W, Y, Yb, Zn, Zr.<br>• No geophysical tools were used to determine any element concentrations. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | | • Intertek applied standard quality control procedures including the insertion of check samples, duplicates, blanks and standards.<br>• These procedures reflect accepted industry standard procedures and provide acceptable accuracy and precision.<br><br>**Pure Minerals, Morrissey Hill Project:**<br>**(2018, A number: 117605)**<br>• Samples were analysed by ALS in Perth by package MS91, a package combining $Na_2O_2$ fusion, ICP-AES and ICP-MS determination. This technique is considered appropriate for Li analysis by the Competent Person.<br>• Portable XRF data have not been reported in this ASX release.<br>• No records are available of the quality control procedures and results; however, ALS Perth is an accredited and ISO-certified laboratory and therefore appropriate internal quality control procedures are assumed to have been adopted.<br><br>**Mineral Developments, Morrissey Hill Project:**<br>**(2017, A number: 114717)**<br>• Samples were analysed by Nagrom in Perth using techniques ICP004 (for Li) and XRF008 for whole rock analyses.<br>• No records are available of quality control procedures being undertaken. |
| *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 verification, data storage (physical and electronic) protocols.*<br>• *Discuss any adjustment to assay data.* | • RR1 rock samples were collected and submitted by RR1 personnel.All data has been checked and verified by several senior personel.<br>• No drilling was undertaken.<br>• All field data and laboratory results are entered and stored in an electronic database.<br>• Elemental oxide assays reported in this announcement were provided to RR1 by Intertek.<br>• Pure Minerals' records indicate that data was compiled directly from laboratory results and checks against field notes and GIS software were completed. No records are available on the verification of the sampled material by Mineral Developments<br>• Full details on data documentation and entry protocols are not known. Assay data are available to the public and can be obtained from historical open-file reports via WAMEX. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | | • No adjustments to assay data were reported in the open-file records. However, Reach applied elemental to oxide conversions for the Pure Minerals and Mineral Developments assay data.<br>• Li (ppm) was converted to $Li_2O$ (%) by dividing by 10,000 to convert to Li (%) and then by multiplying by a conversion factor of 2.153.<br>• Ta (%) was converted to $Ta_2O_5$ (%) by multiplying by a conversion factor of 1.221.<br>• Nb (%) was converted to $Nb_2O_5$ (%) by multiplying by a conversion factor of 1.431. |
| *Location of data points* | • *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.*<br>• *Specification of the grid system used.*<br>• *Quality and adequacy of topographic control.* | • All samples collected by RR1 were located using handheld Garmin GPS units which provide an accuracy of +/- 5m.<br>• The grid system used in the figures and appendices in this ASX release is MGA Zone 50 (GDA94).<br>• The project's topographic control is adequate for early-stage surface targeting and reconnaissance.<br><br>**Pure Minerals, Morrissey Hill Project: (2018, A number: 117605)**<br>• All samples were located using a handheld GPS and an accuracy of +/- 5 m.<br>• Sample locations were recorded in MGA Zone 50 (GDA94)<br>• RLs were recorded for the first batch of soil samples (MSS0001–0133) and rock chip samples (MHS0001–0050); however, no elevation data were recorded for the second batch of soil samples (MSS01134–1112).<br><br>**Mineral Developments, Morrissey Hill Project: (2017, A number: 114717)**<br>• All samples were located using a GPS; however, accuracy of the GPS instrument is unknown.<br>• Sample locations were recorded in MGA Zone 50 (GDA94).<br>• No elevation data were recorded for the rock chip samples. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *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.* | **Reach Resources Ltd**<br>• Distance between rock chip sample sites vary.<br>• Sample spacing is typically determined by the availability of outcrop.<br>• The data is not being used to support estimation of Mineral Resources or Ore Reserves.<br>• No sample compositing has been undertaken.<br>• Historical reconnaissance Exploration Results have been compiled for prospectivity targeting. Data spacing is not intended to support continuity for Mineral Resource estimation. Drilling is required to achieve data spacing and distribution sufficient for resource estimation.<br><br>**Pure Minerals, Morrissey Hill Project: (2018, A number: 117605)**<br>• Soil samples were collected on an 800 x 200 m grid of 50–100 m x 400 m line spacings to avoid drainage and areas considered less prospective. No information is available on data spacing for the rock chip samples. Rock-chip samples appear to be very selective, collected primarily from pegmatites.<br>• There are no records of sample compositing having been applied.<br><br>**Mineral Developments, Morrissey Hill Project: (2017, A number: 114717)**<br>• Rock-chip samples were collected randomly from pegmatite outcrops.<br>• No sample composting was applied. |
| *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.* | **Reach Resources Ltd**<br>• No drilling was used to collect these samples.<br>• Sampling was undertaken both along strike and orthogonal to strike where possible in order to provide representive sampling.<br>• The orientations of possible structures within the tenements are not well-known at this early stage. The Competent Person considers this appropriate for reviewing historical surface sampling results for prospectivity targeting.<br><br>**Pure Minerals, Morrissey Hill Project:** |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | | **(2018, A number: 117605)**<br>Soil sampling grid was oriented to the northeast as pegmatites were observed in east–west and north–south orientations.<br><br>**Mineral Developments, Morrissey Hill Project:**<br>**(2017, A number: 114717)**<br>• Rock-chip samples were collected from pegmatite outcrops. |
| *Sample security* | • *The measures taken to ensure sample security.* | **Reach Resources Ltd**<br>• Chain of custody for samples were managed at all times by RR1 personnel including transport from site and delivery to Interteks Perth Laboratory facility.<br><br>**Pure Minerals, Morrissey Hill Project:**<br>**(2018, A number: 117605)**<br>Records indicate that all samples were submitted directly to the laboratory; however, no additional information is available on sample security.<br><br>**Mineral Developments, Morrissey Hill Project:**<br>**(2017, A number: 114717)**<br>• Samples were submitted to the laboratory; however, no additional information is available on sample security. |
| *Audits or reviews* | • *The results of any audits or reviews of sampling techniques and data.* | • RR1 has not undertaken any audits or reviews with respect to this phase of exploration.<br>• Industry standard techniques are applied at every stage of the exploration process.<br>• There are no records of any audits or reviews of the historical sampling techniques or data other than the current collation of information by Reach, where the key deliverable was to establish prospectivity. |

## Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

<table>
<tr><th>Criteria</th><th>JORC Code explanation</th><th>Commentary</th></tr>
<tr><td>Mineral tenement and land tenure status</td><td>• 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.</td><td><u>Yinnetharra Critical Elements Project</u><br>• The Critical Elements Projects comprise granted licenses E 09/2375 (Morrisey Hill), E 09/2388 and E 09/2354 (Camel Hill) along the Ti Tree Shear Zone, and E 09/2377 (Wabli Creek) along the Chalba Shear Zone.<br>• An application was lodged for E 09/2748.<br>There are no aboriginal heritage places listed within Reach tenements and applications.</td></tr>
<tr><td>Exploration done by other parties</td><td>• Acknowledgment and appraisal of exploration by other parties.</td><td>• This release summarises the results of material exploration by other parties within E 09/2375, E 09/2388, E 09/2354, E 2748, E 09/2377U3O8 Ltd drilled two RC holes in E09/2377 targeting U mineralisation. The Competent Person does not consider the results material due to the different target commodities. The remainder of the historical exploration undertaken in these tenements are surface samples.
<table>
<tr><th>Company</th><th>Report Number</th><th>Year</th><th>Target commodity</th><th>Reach Tenement</th></tr>
<tr><td>Pure Minerals Limited</td><td>117605, 117689</td><td>2018</td><td>Li ±Ta</td><td>E 09/2375, E 09/2377</td></tr>
<tr><td>Mineral Developments</td><td>114716, 114717</td><td>2017</td><td>Beryl, Li, Mica, REE, U</td><td>E 09/2375, E 09/2377</td></tr>
<tr><td>Encounter Resources</td><td>78072</td><td>2008</td><td>U and base metals</td><td>E 09/2388</td></tr>
<tr><td>Rising Mining Holdings Pty Ltd</td><td>93579, 97672</td><td>2012, 2013</td><td>U, W, REE</td><td>E 09/2388</td></tr>
</table></td></tr>
</table>

| Criteria | JORC Code explanation | Commentary |
|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| **Glengarry Resources Ltd** | 66179 | 2003 | Ta | E 09/2388, E 09/2354 |
| **United Mining Resources Pty Ltd** | 90419 | 2011 | U, W, REE | E 09/2388, E 09/2354 |
| **Lithium Australia NI** | 117227 | 2018 | Li, REE, Ta, W | E 09/2388 |
| **Wodgina Lithium Pty Ltd** | 118915 | 2018 | Au, Li | E 09/2388 |
| **U308 Ltd** | 76883, 79787, 84704, 88390 | 2007, 2008, 2009, 2010 | U, Th, V | E 09/2377 |
| **Thor Mining PLC** | 98245 | | | E 09/2377 |
| **Eastern Goldfields Exploration** | 87495 | 2010 | Au, Cu, Mn | E 09/2539 |
| **Golden Phoenix Australia Pty Ltd** | 106114, 109684, 113891 | 2015, 2016, 2017 | Au, Ag, Fe, Cu, Pb, Zn, Ni | E 09/2539, E 09/2750, E 09/2542, E 09/2751 |

| | | |
|---|---|---|
| *Geology* | • *Deposit type, geological setting and style of mineralisation.* | • Reach's Critical Elements tenements lie in the Mutherbukin Zone of the Gascoyne Province and comprises granites of the Moorarie, Durlacher and Thirty Three supersuites. The Thirty Three Supersuite is the youngest unit in the Critical Elements project area and outcrops along the northern edge of the Mutherbukin Zone, along the Ti Tree Syncline.<br><br>The Thirty Three Supersuite comprises pegmatites, ranging in size from veins to 10–20-m-wide dykes and shallowly dipping sheets up to 200 m in thickness (Sheppard et al., 2010). The pegmatites are typically zoned, with massive quartz cores, and include rare elements (e.g. Bi, Be, Li, Nb–Ta), which have been the subject of small-scale mining (Sheppard et al., 2010). Segue Resources Ltd (now Arrow Minerals Ltd) identified the Thirty Three Supersuite as a fertile and highly fractionated granitic suite with potential to generate Li-Cs-Ta |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | | pegmatites. Independent studies by the GSWA support this interpretation. |
| *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.* | • Significant rock chip sample details, including easting and northing, are provided in Appendix A. |
| *Data aggregation methods* | • *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.*<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.* | • No data aggregation methods have been applied.<br>• Reach applied a cut-off of 40 ppm Li for the reported data by Pure Minerals and Mineral Developments. Results are presented in Appendix A and figures in this release.<br>• No metal equivalents are reported. |
| *Relationship between mineralisation widths and intercept lengths* | • *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 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 (eg 'down hole length, true width not known').* | • N/A – do drilling has been reported in this ASX release. |
| *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.* | • Appropriate maps for the Yinnetharra Critical Elements projects are included in the release.<br>• Known pegmatites, mineral occurrences, projects and mines were extracted from WAMEX. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *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.* | • Recent and historical results that are considered relevant have been presented here in a balanced manner to avoid misleading reporting. The reported results reflect the full range of rock-chip results for the target commodities available to Reach Resources at the time of this report. No relevant information has been omitted. |
| *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.* | • RSC Mining and Mineral Exploration Consultants were engaged by Reach resources Ltd to undertake a prospectivity analysis of the project areas.<br>• PGN Geoscience Pty Ltd were engaged by Reach Resources Ltd to undertake an investigation of open-file, public domain, remote sensing datasets relevant to the Morrissey Hill and Camel Hill tenements in order to assess the lithium potential of each. Targeting utilised Multi-spectral Sentinel-2, Aster and Landsat imagery. Relevant datasets were processed and filtered to identify targets<br>• Data which is relevant to this release is included in this report.<br>• All relevant data available to Reach Resources has been documented in this report. |
| *Further work* | • *The nature and scale of planned further work (eg 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.* | • Desktop studies and target identification are in progress.<br>• Field reconnaissance and surface geochemical soil surveys are scheduled to recommence in May 2023. |

# APPENDICES

## Appendix A: Li values from rock chip and soil sampling by Mineral Developments and Pure Minerals over Reach tenement E 09/2375. A cut-off of 40 ppm Li was applied.

| Sample ID | Company | Easting | Northing | Li | Rb | Cs | Ta | Al | K | Mn | Na | Nb | P | Pb | Si |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ppm | ppm | ppm | ppm | wt.% | wt.% | wt.% | wt.% | wt.% | wt.% | wt.% | wt.% |
| **E092136_004** | Mineral Developments | 417392 | 7284600 | 120 | 737 | 58 | 19 | 12.87 | 2.97 | 0.099 | 5.684 | 0.01 | 0.093 | 0.002 | 28.0 |
| **E092136_005** | Mineral Developments | 417312 | 7284780 | 40 | 1001 | 65 | 51 | 9.98 | 3.63 | 0.173 | 1.874 | 0.008 | 0.052 | 0.002 | 32.6 |
| **E092136_007** | Mineral Developments | 415485 | 7286073 | 220 | 1232 | 188 | 26 | 9.98 | 4.80 | 0.02 | 2.66 | 0.006 | 0.093 | 0.005 | 31.8 |
| **E092136_008** | Mineral Developments | 415360 | 7286000 | 40 | 1772 | 187 | 1 | 9.67 | 10.13 | 0.019 | 2.118 | | 0.192 | 0.005 | 30.5 |
| **E092136_009** | Mineral Developments | 415802 | 7286970 | 40 | 44 | 15 | 33 | 8.84 | 0.21 | 0.047 | 7.147 | | 0.104 | 0.001 | 33.6 |
| **E092136_010** | Mineral Developments | 415545 | 7288001 | 6140 | 4157 | 2276 | 734 | 8.59 | 4.31 | 0.516 | 1.14 | 0.008 | 0.017 | 0.05 | 32.9 |
| **E092136_011** | Mineral Developments | 415545 | 7288001 | 1350 | 914 | 333 | 214 | 9.78 | 1.38 | 0.242 | 5.692 | 0.005 | 0.03 | 0.002 | 32.6 |
| **E092136_012** | Mineral Developments | 415388 | 7287975 | 670 | 1322 | 135 | 29676 | 9.58 | 3.85 | 0.513 | 2.114 | 1.081 | 0.018 | 0.006 | 29.1 |
| **E092136_014** | Mineral Developments | 414610 | 7287922 | 90 | 1015 | 54 | 43 | 8.27 | 5.49 | 0.061 | 2.873 | 0.003 | 0.074 | 0.004 | 33.8 |
| **E092136_015** | Mineral Developments | 416244 | 7288243 | 830 | 1936 | 221 | 71 | 10.75 | 6.65 | 0.252 | 0.217 | 0.004 | 0.038 | 0.003 | 25.3 |
| **E092136_017** | Mineral Developments | 416160 | 7287913 | 110 | 368 | 12 | 12 | 4.14 | 1.02 | 0.035 | 1.879 | 0.003 | 0.008 | 0.001 | 40.5 |
| **MHS0001** | Pure Minerals | 418,628 | 7,286,791 | 217 | 228 | 36.7 | 31.3 | 6.69 | 0.68 | 0.031 | 6.05 | 0.005 | 0.031 | 0.001 | N/A |
| **MHS0008** | Pure Minerals | 415,284 | 7,288,870 | 58.6 | 112 | 9.33 | 1.05 | 5.15 | 1.55 | 0.060 | 0.24 | 0.001 | 0.023 | 0.002 | N/A |
| **MHS0009** | Pure Minerals | 415,235 | 7,288,821 | 64.8 | 164 | 16.8 | 1.36 | 7.51 | 2.91 | 0.041 | 0.31 | 0.002 | 0.026 | 0.002 | N/A |
| **MHS0014** | Pure Minerals | 414,857 | 7,287,793 | 61.6 | 149 | 4.7 | 7.88 | 5.51 | 0.61 | 0.124 | 3.38 | 0.003 | 0.071 | 0.001 | N/A |

| Sample ID | Company | Easting | Northing | Li | Rb | Cs | Ta | Al | K | Mn | Na | Nb | P | Pb | Si |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ppm | ppm | ppm | ppm | wt.% | wt.% | wt.% | wt.% | wt.% | wt.% | wt.% | wt.% |
| **MHS0015** | Pure Minerals | 414,711 | 7,287,745 | 55.2 | 327 | 11 | 2.99 | 7.16 | 2 | 0.164 | 4.3 | 0.001 | 0.174 | 0.002 | N/A |
| **MHS0019** | Pure Minerals | 415,653 | 7,287,778 | 114 | 257 | 34.8 | 14.95 | 8.16 | 0.92 | 0.037 | 6.56 | 0.004 | 0.112 | 0.001 | N/A |
| **MHS0020** | Pure Minerals | 415,546 | 7,288,000 | 760 | 440 | 154 | 81.8 | 7.26 | 0.75 | 0.082 | 6.43 | 0.005 | 0.022 | 0.001 | N/A |
| **MHS0024** | Pure Minerals | 417,055 | 7,285,736 | 680 | 830 | 156.5 | 16.95 | 6.4 | 2.47 | 0.108 | 0.32 | 0.004 | 0.126 | 0.001 | N/A |
| **MHS0031** | Pure Minerals | 416,338 | 7,285,961 | 166 | 630 | 28.2 | 12.75 | 7.11 | 2.65 | 0.029 | 1.38 | 0.009 | 0.01 | 0.000 | N/A |
| **MHS0033** | Pure Minerals | 415,025 | 7,285,663 | 60.7 | 412 | 43.7 | >100 | 6.95 | 1.4 | 0.026 | 4.43 | 0.010 | 0.06 | 0.001 | N/A |
| **MHS0034** | Pure Minerals | 414,835 | 7,287,910 | 58.3 | 520 | 40.7 | 3.78 | 7.52 | 4.71 | 0.023 | 2.94 | 0.002 | 0.095 | 0.003 | N/A |
| **MHS0036** | Pure Minerals | 416,005 | 7,287,886 | 41.6 | 250 | 18.9 | 5.09 | 6.81 | 1.4 | 0.014 | 2.62 | 0.004 | 0.118 | 0.002 | N/A |
| **MHS0039** | Pure Minerals | 417,180 | 7,287,938 | 46.8 | 1 | 0.55 | 77.1 | 6.96 | 0.03 | 0.067 | 1.05 | 0.009 | >1 | 0.001 | N/A |
| **MHS0040** | Pure Minerals | 417,178 | 7,287,938 | 60.9 | 6.8 | 1.31 | 31.3 | 7.89 | 0.05 | 0.100 | 0.86 | 0.005 | 0.107 | 0.001 | N/A |
| **MHS0041** | Pure Minerals | 418,096 | 7,288,880 | 57.1 | 311 | 44 | 2.55 | 5.85 | 4.15 | 0.026 | 1.51 | 0.002 | 0.067 | 0.002 | N/A |
| **MHS0042** | Pure Minerals | 418,149 | 7,289,046 | 56.5 | 304 | 16.75 | 1.88 | 6.94 | 4.33 | 0.046 | 1.45 | 0.002 | 0.091 | 0.004 | N/A |
| **MHS0045** | Pure Minerals | 414,193 | 7,288,345 | 44.6 | 154 | 26 | 4.26 | 6.12 | 1.05 | 0.065 | 3.63 | 0.002 | 0.088 | 0.001 | N/A |
| **MHS0050** | Pure Minerals | 416,877 | 7,285,274 | 82.4 | 430 | 183.5 | 2.12 | 8.23 | 4.17 | 0.009 | 1 | 0.000 | 0.17 | 0.007 | N/A |