**ASX ANNOUNCEMENT** **25 January 2023**

## Roe Hills Project, Eastern Goldfields, WA

# Highly promising lithium anomaly with mapped pegmatites

**The new anomaly sits along-strike of Global Lithium's Manna deposit**

### Highlights

- **New lithium anomaly, named Crystal Palace Prospect, identified 5km along-strike of Global Lithium's (ASX:GL1) Manna Li-Ta deposit**
- **The anomaly is coincident with newly-identified pegmatites**
- **The new anomalies were identified as part of a 6,000-sample geochemical programme still underway at the northern half of Kairos' large Roe Hills tenement package**
- **The program will provide a reliable foundation dataset for lithium, gold and nickel targeting**
- **Exploration is focused on the western side of the fertile Cardunia Syenogranite pluton which is interpreted as the source of spodumene-bearing pegmatites on its flanks including the Manna deposit (32.7 Mt @ 1.0% $Li_2O$) on its northern flank (ASX:GL1) and confirmed spodumene-bearing pegmatites on its south-east flank (ASX:ALY)**
- **The Black Cat lithium anomaly defined by soil sampling[1] is a consistent 2,600m-long Li-Cs-Be anomaly on the western flank of the Cardunia Syenogranite that will undergo infill geochemical sampling ahead of RC drilling**
- **Kairos holds 353 $km^2$ of contiguous licences in the Roe Hills area with a number of lithium anomalies that are being followed up in the current programme ahead of drilling**
- **Strongly anomalous gold geochemistry also identified with values up to 143 ppb Au**
- **Heritage agreement negotiations with Native Title claimants underway**

[1] KAI ASX announcement entitled 'Extensive lithium and pathfinder elements anomaly defined at Roe Hills Project – East Kalgoorlie'

Kairos Managing Director, Dr Peter Turner said: **"There are now multiple discoveries of spodumene-bearing pegmatites around the Cardunia Syenogranite.**

**"Kairos can confirm a new lithium soil anomaly with coincident pegmatites at 'Crystal Palace' along strike from the Manna Li-Ta deposit in an area that has never been explored for lithium.**

**"We know that this area is fertile for spodumene-pegmatites in the shadow of the Manna Lithium deposit, and our 2.6 km-long Black Cat soil anomaly, which comprises coincident lithium, caesium, beryllium and tin, shows huge promise to be a Manna-lookalike to add to the target at Crystal Palace.**

**"Around 6,000 deep soils are being collected as part of this programme in the Roe Hills North area. This is the first step in generating a significant and reliable foundation dataset in the hunt for new lithium, gold, nickel-cobalt deposits over an area which has yet to be thoroughly sampled.**

**"We are reviewing a draft heritage protection agreement from the Native Title claimant which will provide an operating framework to pursue drilling activities over all lithium, gold and base metal anomalies we discover".**

Kairos Minerals Ltd (ASX: KAI "Kairos" or "the Company") is pleased to report the first 572 results of a 6,000 sample deep soil sampling at its 100%-owned Roe Hills Project.

Roe Hills is 100km east of Kalgoorlie, WA and is nestled within a new spodumene-bearing pegmatite province hosting the Manna Li-Ta project (**Figures 1 & 7**).

The programme has already uncovered two 400m long lithium anomalies which collectively have been labelled the Crystal Palace Prospect. This prospect sits in the northeast corner of the Roe Hills tenements 5km along-strike to the SW of Global Lithium's (ASX:GL1) 32.7 Mt @ 1.0% $Li_2O$ Manna lithium-tantalum deposit (**Figures 1, 2 & 7**).

The Crystal Palace prospect is coincident with mapped, multiple pegmatites that strike northeast or northwest. The mapped pegmatites are 2m to 10m+ wide, are extremely coarse-grained and contain green feldspars (amazonite-microcline), quartz, white mica, biotite and white feldspars (**Figures 3 & 4**). At this stage it is unknown if lithium minerals occur within these pegmatites but rock samples have been submitted for chemical analysis. Further exploration, especially drilling, will determine the source of the surface lithium.

Deep soil samples are collected using a Kanga post-hole configuration with samples collected from a nominal 1m depth. The sampling procedure is very low-impact and ensures no contamination from surface effects and increases the possibility of collecting a quality geochemical sample that is

more likely to avoid highly-transported surface alluvium. Samples are sieved to -80 mesh and sent to Intertek for 4-acid digest and low-level multi-element and gold analysis by ICP-MS (4A-MS48).

Previous soil sample results over parts of the northern Roe Hills tenement package announced to the ASX on 9 November 2022 (see KAI ASX announcement entitled 'Additional significant lithium targets identified at Roe Hills Project, Eastern Goldfields, WA') were surface soil samples that could have potentially included highly transported alluvium. These anomalies that will be followed-up by current deeper soil sampling that will determine whether the anomalies reflected buried *in-situ* mineralisation or highly transported anomalies.

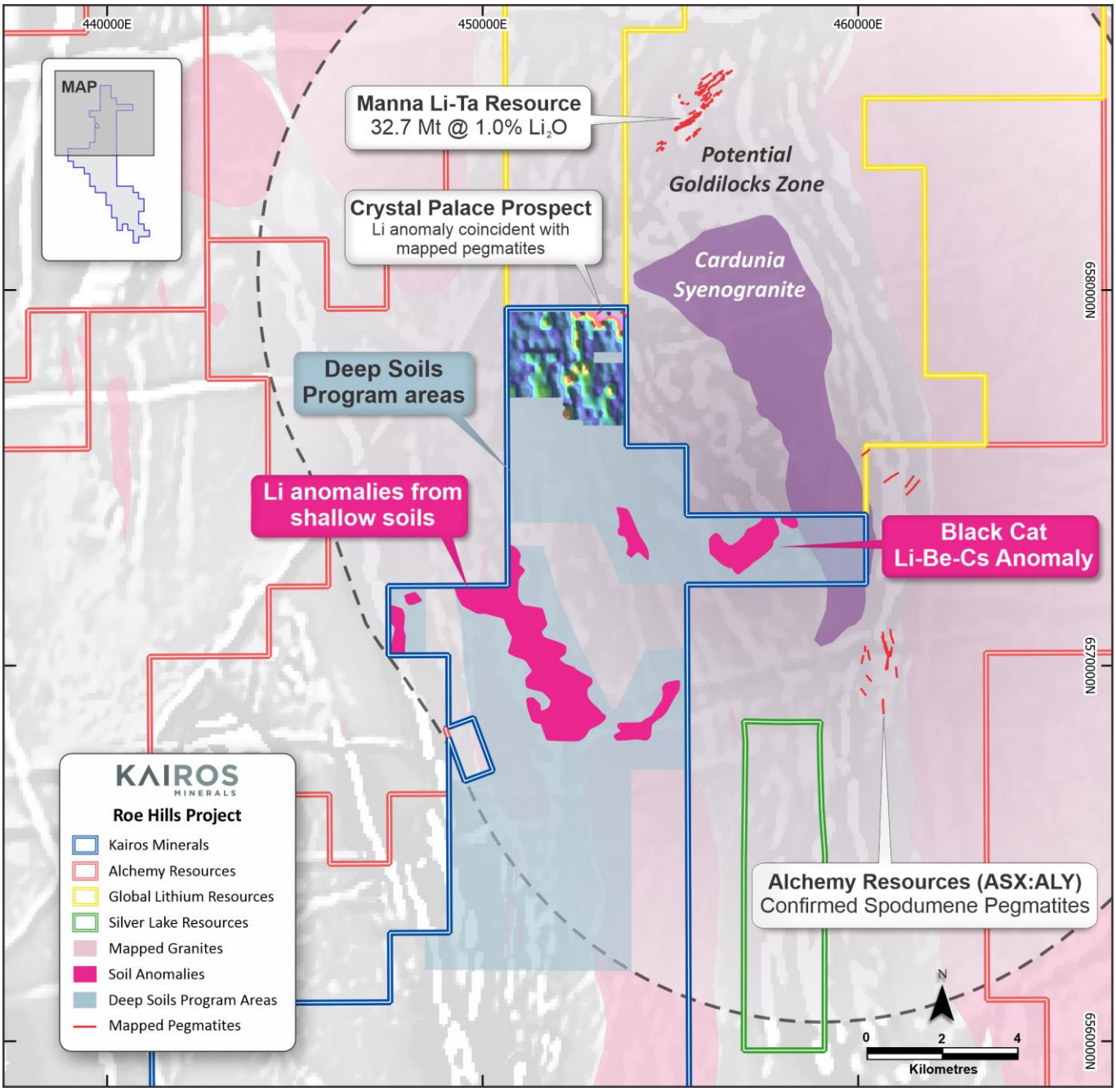


**Figure 1**. Kairos lithium anomalies at the northern half of the Roe Hills project (see **Figure 2** for more detail) showing the position of Manna Li-Ta deposit and Alchemy Resources' Cherry-Hickory pegmatites. The planned new deep soil sampling areas are shown in grey.

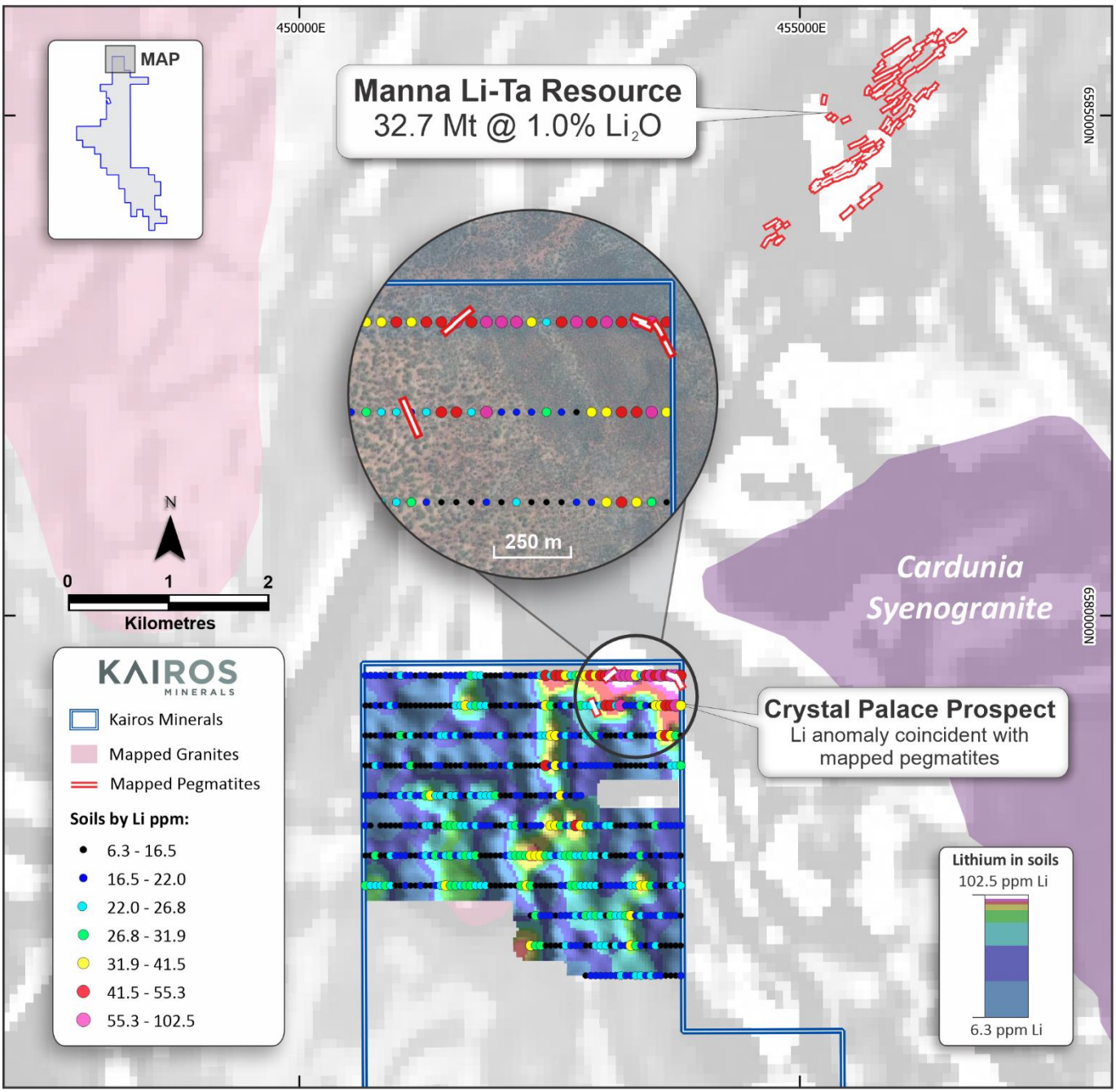


**Figure 2**. Deep soil geochemical results over the Crystal Palace Prospect over a black & white magnetic image. Location of the Manna Li-Ta deposit shown.


**Figure 3**. Amazonite-microcline-bearing coarse-grained quartz, white mica + biotite mica pegmatite at Crystal Palace Prospect. Unknown if spodumene minerals are present.

**Figure 4**. Amazonite-microcline-bearing coarse-grained quartz, white mica + biotite mica pegmatite at Crystal Palace Prospect. Unknown if spodumene minerals are present.

Many additional granitic bodies occur within the planned deep soil programme area (**Figure 1**) targeting lithium occurrences that are so often found on the margins of granites, but also targeting gold and base metals that are known to be scattered throughout the large tenement area (**Figure 6**).

Crystal Palace has also yielded a gold anomaly across two lines of sampling that are 300m apart (actual anomaly is 360m long)(**Figure 5**). The anomaly in the northeast corner of the licence, defined by 73 and 143 ppb Au, will be infilled and reviewed as a significant drill target once the deep soil programme has been completed in Q1, 2023.

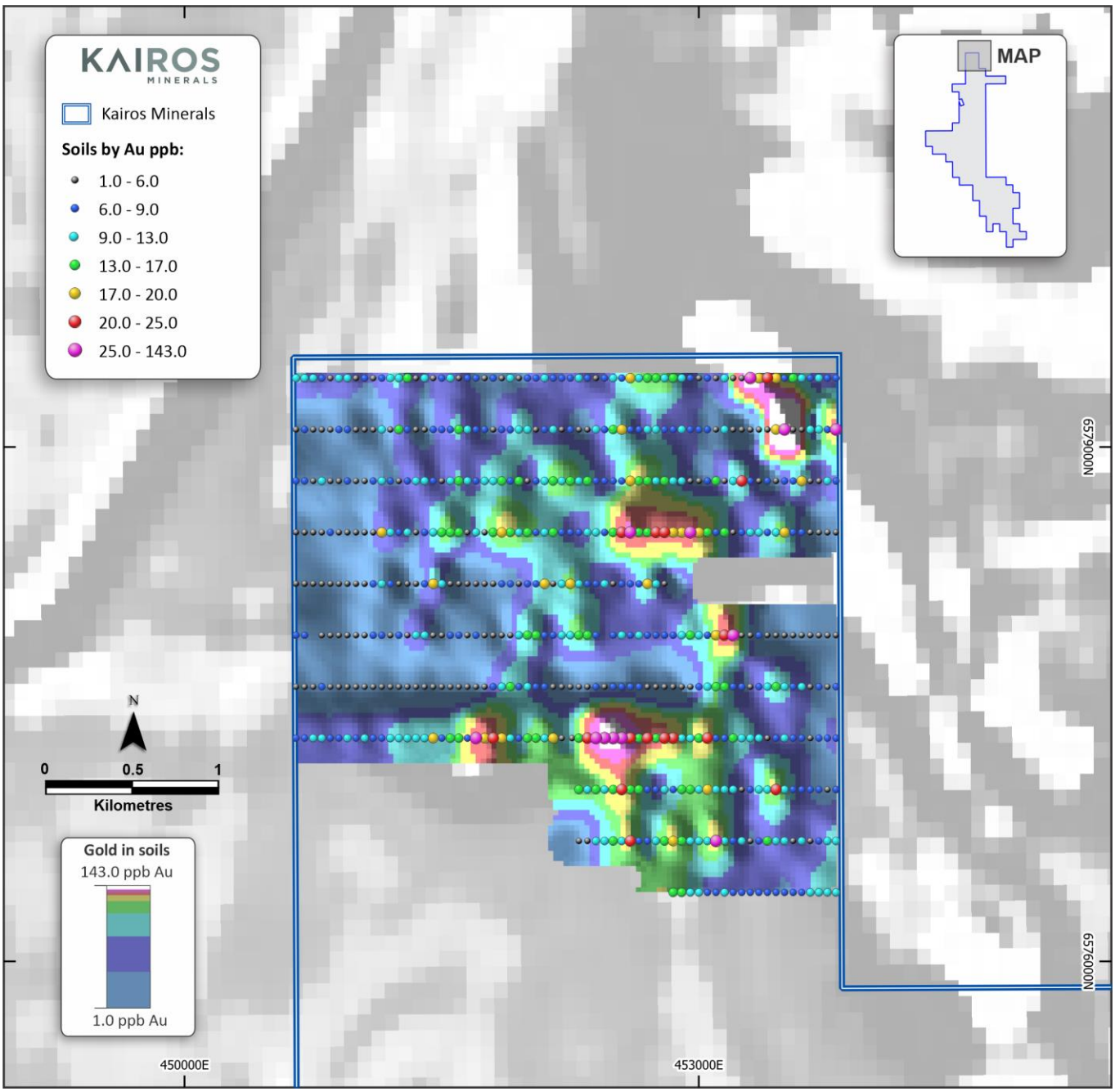


**Figure 5**. Gold anomaly at the Crystal Palace Prospect.

Drill-ready gold and nickel-cobalt mineralisation targets exist all along the Roe Hills tenements and a review of the current database is underway to target the highest priority targets.

Further deep soil results will be routinely announced to the ASX.

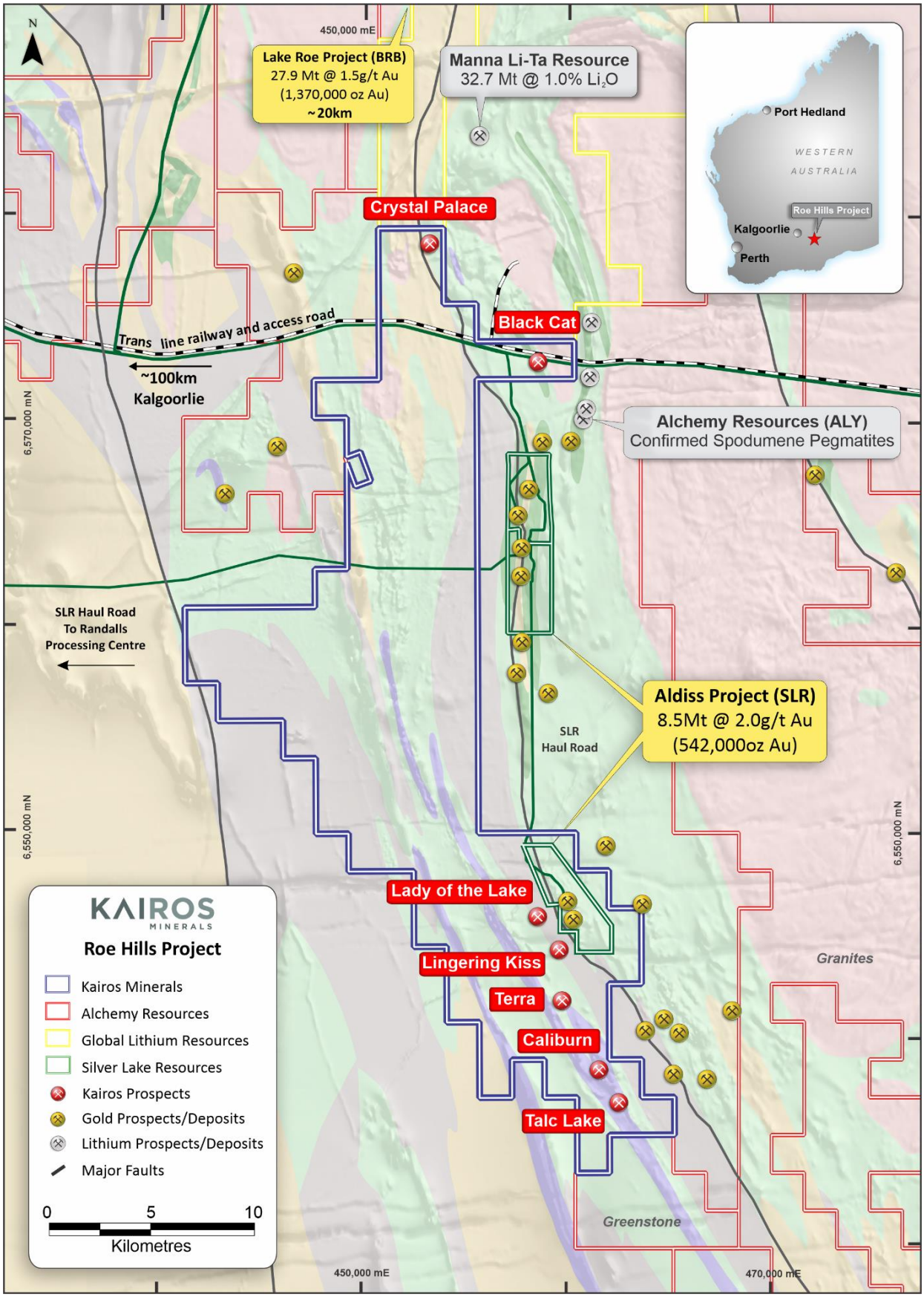


**Figure 6**. Kairos' lithium & gold prospects over the Roe Hills area overlain on a simplified geological-magnetic image highlighting interpreted granites. Lithium and gold mines/advanced projects with resources are shown.

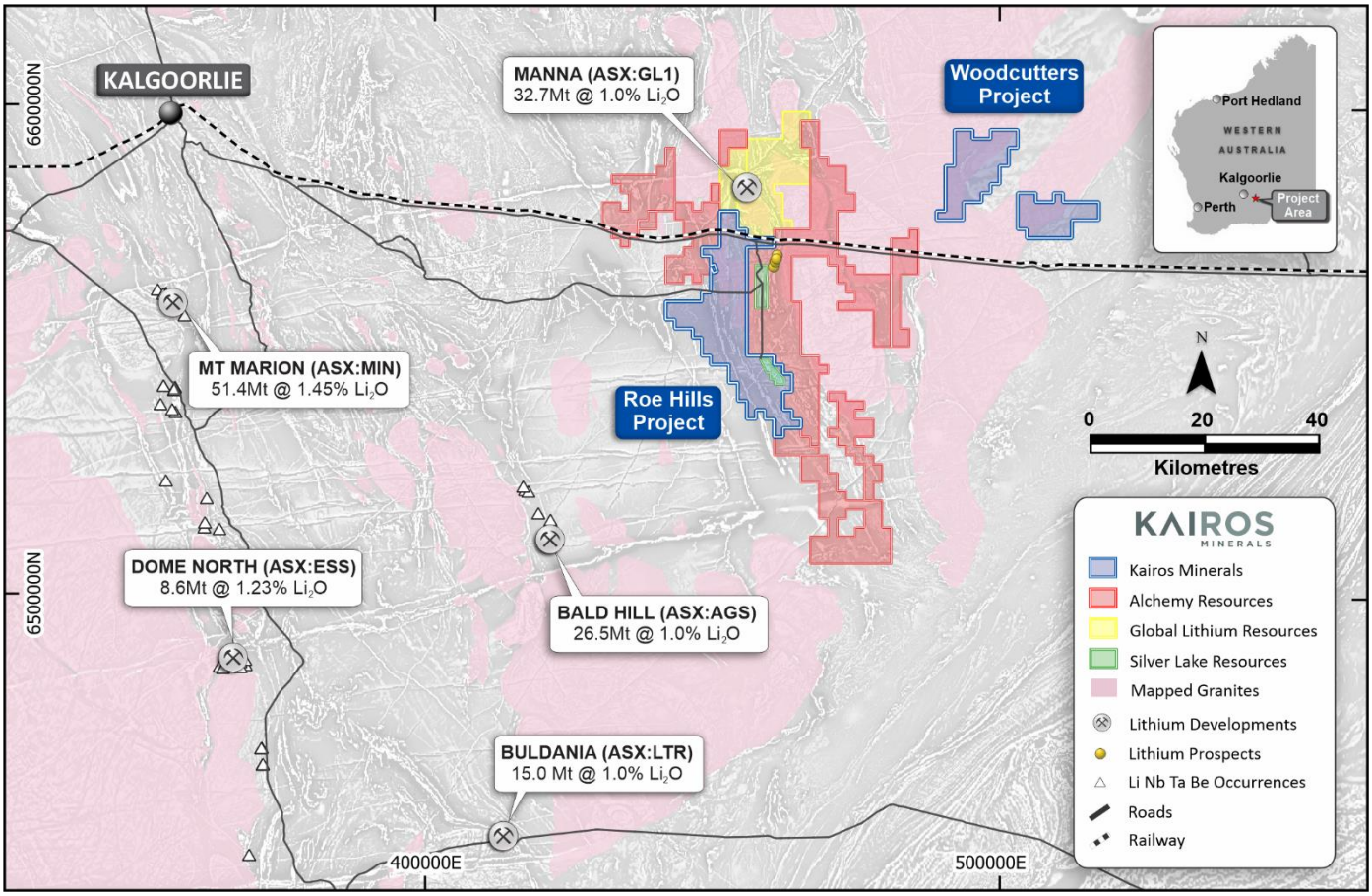


**Figure 7**. Kairos' tenements in relation to neighbouring companies over the Roe Hills area overlain on a magnetic image highlighting interpreted granites. Lithium mines and advanced projects with resources are shown with quoted resources.

A table of results of significant lithium (and associated elements) and gold & base metals are shown in **Table 1**.

| Sample_ID | Easting | Northing | Depth | Au | Li | Cs | Ta | Be | Sn | Cu | Pb | Zn | Ni | Co |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MGA51 | MGA51 | m | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| RHA10020 | 451600 | 6579400 | 1 | 6 | 17.7 | 1.51 | 0.33 | 0.7 | 1.1 | 19.5 | 5.1 | 47 | 116.9 | 28.1 |
| RHA10027 | 451950 | 6579400 | 0.5 | 5 | 9.5 | 1.64 | 0.57 | 1 | 1.6 | 129.1 | 5.5 | 136 | 45.9 | 12.6 |
| RHA10033 | 452250 | 6579400 | 1 | 9 | 10.6 | 1.14 | 0.37 | 0.69 | 0.9 | 44.3 | 5.6 | 55 | 127.7 | 22.6 |
| RHA10037 | 452450 | 6579400 | 1 | 8 | 54.1 | 7.34 | 0.77 | 2.5 | 2.1 | 83 | 14.2 | 92 | 141.5 | 31.6 |
| RHA10039 | 452550 | 6579400 | 1 | 7 | 55.3 | 7.98 | 0.7 | 2.83 | 2 | 79.2 | 12.7 | 77 | 150.9 | 34.2 |
| RHA10040 | 452600 | 6579400 | 1 | 19 | 54.4 | 7.78 | 1.01 | 2.74 | 2 | 85.3 | 12.8 | 79 | 149.4 | 33.3 |
| RHA10041 | 452650 | 6579400 | 1 | 10 | 39.1 | 5.43 | 0.59 | 2.22 | 1.7 | 72.1 | 10.7 | 65 | 109.6 | 27.7 |
| RHA10046 | 452900 | 6579400 | 1 | 10 | 44.1 | 4.12 | 0.45 | 1.88 | 1.5 | 61.8 | 9.9 | 60 | 77.3 | 21.2 |
| RHA10048 | 453000 | 6579400 | 0.6 | 6 | 45.5 | 4.97 | 0.42 | 1.64 | 1.1 | 58.9 | 4.5 | 45 | 162.9 | 30.9 |
| RHA10049 | 453050 | 6579400 | 0.2 | 9 | 43.8 | 8.41 | 0.43 | 2.05 | 1.4 | 83 | 7.2 | 79 | 84.9 | 24.3 |
| RHA10050 | 453100 | 6579400 | 0.2 | 5 | 67.4 | 6.38 | 0.7 | 3.33 | 1.9 | 81.2 | 11.3 | 97 | 99.8 | 44.2 |
| RHA10051 | 453150 | 6579400 | 0.4 | 13 | 52.8 | 6.25 | 0.34 | 3.21 | 1.4 | 144.8 | 7 | 55 | 94.5 | 69.6 |
| RHA10052 | 453200 | 6579400 | 1 | 3 | 90.9 | 9.76 | 0.24 | 1.08 | 0.6 | 30.2 | 4.5 | 39 | 23.9 | 12.7 |
| RHA10053 | 453250 | 6579400 | 0.4 | 3 | 56.7 | 3.04 | 0.79 | 2.16 | 1.4 | 43 | 8 | 59 | 46 | 35 |
| RHA10054 | 453300 | 6579400 | 0.5 | 73 | 102.5 | 2.56 | 0.34 | 11.44 | 2.3 | 299.5 | 9.5 | 40 | 197.7 | 31.2 |

| Sample_ID | Easting | Northing | Depth | Au | Li | Cs | Ta | Be | Sn | Cu | Pb | Zn | Ni | Co |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MGA51 | MGA51 | m | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| RHA10055 | 453350 | 6579400 | 1 | 19 | 38.1 | 1.94 | 0.51 | 1.41 | 0.7 | 142 | 4.9 | 52 | 611.5 | 71 |
| RHA10056 | 453400 | 6579400 | 1 | 23 | 23.2 | 5.12 | 0.5 | 1.68 | 1.1 | 68 | 5.7 | 51 | 196.4 | 27.4 |
| RHA10057 | 453450 | 6579400 | 1 | 18 | 44.1 | 15.49 | 0.39 | 4.08 | 1.9 | 76.7 | 6 | 52 | 175.2 | 25.9 |
| RHA10058 | 453500 | 6579400 | 0.4 | 7 | 72.3 | 2.94 | 0.54 | 1.5 | 1.3 | 94.5 | 5.9 | 94 | 111.9 | 48.7 |
| RHA10059 | 453550 | 6579400 | 1 | 16 | 42.2 | 4.74 | 0.68 | 2.44 | 1.7 | 112.3 | 10.8 | 68 | 99.4 | 35.6 |
| RHA10060 | 453600 | 6579400 | 1 | 12 | 81.4 | 17.77 | 0.55 | 4.68 | 2 | 119 | 12.1 | 66 | 117.3 | 33 |
| RHA10061 | 453650 | 6579400 | 1 | 9 | 52 | 4.21 | 1.66 | 4.31 | 1.9 | 103.5 | 10.7 | 63 | 96.1 | 32.9 |
| RHA10062 | 453700 | 6579400 | 1 | 11 | 70.8 | 4.45 | 2.58 | 5.19 | 2 | 124.3 | 15.5 | 62 | 116.1 | 39.5 |
| RHA10063 | 453750 | 6579400 | 1 | 9 | 92.1 | 7.51 | 1.07 | 6.87 | 2.2 | 182.4 | 12.2 | 51 | 132.3 | 42.3 |
| RHA10064 | 453800 | 6579400 | 1 | 8 | 49.6 | 3.07 | 0.69 | 3.34 | 1.7 | 163.3 | 8.9 | 50 | 120.9 | 38.9 |
| RHA10083 | 451550 | 6579100 | 1 | 9 | 24.6 | 3.04 | 1.74 | 1.09 | 1.7 | 35.2 | 5.9 | 73 | 42.5 | 17.3 |
| RHA10086 | 451700 | 6579100 | 0.5 | 8 | 25.9 | 2.49 | 2.26 | 1.06 | 1.2 | 48.9 | 7.9 | 56 | 59.4 | 17.6 |
| RHA10094 | 452100 | 6579100 | 0.5 | 9 | 13.2 | 1.97 | 1.72 | 0.92 | 1.5 | 41.6 | 7.1 | 54 | 47.8 | 10.9 |
| RHA10099 | 452350 | 6579100 | 1 | 4 | 13.4 | 3.18 | 0.38 | 0.68 | 1.2 | 52.8 | 5.2 | 61 | 166.3 | 24.8 |
| RHA10101 | 452450 | 6579100 | 1 | 8 | 41.4 | 5.26 | 0.62 | 2.04 | 1.9 | 65.1 | 11.7 | 81 | 116.8 | 27.7 |
| RHA10108 | 452800 | 6579100 | 1 | 9 | 28.2 | 6.77 | 0.52 | 1.63 | 1.4 | 61.3 | 9.8 | 92 | 87.5 | 22.1 |
| RHA10109 | 452850 | 6579100 | 1 | 7 | 24.8 | 6.34 | 0.42 | 1.42 | 1.1 | 43.1 | 7.5 | 66 | 90.7 | 25.4 |
| RHA10111 | 452950 | 6579100 | 1 | 7 | 19.2 | 9.66 | 0.35 | 0.77 | 0.8 | 39.3 | 4.6 | 53 | 78.8 | 16.4 |
| RHA10113 | 453050 | 6579100 | 1 | 7 | 54.2 | 4.52 | 0.29 | 0.91 | 1 | 59.6 | 4.8 | 60 | 58.7 | 25.1 |
| RHA10114 | 453100 | 6579100 | 1 | 5 | 45.9 | 6.7 | 0.49 | 1.72 | 1.3 | 63.2 | 7.5 | 70 | 79.5 | 35.7 |
| RHA10116 | 453200 | 6579100 | 1 | 4 | 59.3 | 6.54 | 0.27 | 2.33 | 1.6 | 64.8 | 4.9 | 56 | 56.9 | 24 |
| RHA10117 | 453250 | 6579100 | 1 | 1 | 17.5 | 2.62 | 0.25 | 0.73 | 1.3 | 90.9 | 5.3 | 93 | 68.7 | 33.3 |
| RHA10119 | 453350 | 6579100 | 0.5 | 6 | 17.6 | 2.79 | 0.31 | 0.59 | 0.7 | 112 | 5.6 | 44 | 72.7 | 17.1 |
| RHA10120 | 453400 | 6579100 | 1 | 5 | 31.9 | 3.16 | 0.45 | 1.14 | 1.3 | 104.2 | 9.7 | 51 | 71.9 | 38.2 |
| RHA10121 | 453450 | 6579100 | 1 | 18 | 19.6 | 2.92 | 0.47 | 0.87 | 1 | 123.4 | 8.3 | 67 | 51.9 | 30.8 |
| RHA10122 | 453500 | 6579100 | 1 | 143 | 15.1 | 3.93 | 0.56 | 0.76 | 0.9 | 69.8 | 7 | 57 | 50 | 26.7 |
| RHA10123 | 453550 | 6579100 | 1 | 5 | 38.9 | 4.02 | 2.02 | 0.68 | 0.8 | 156.4 | 9 | 45 | 94.7 | 36.5 |
| RHA10124 | 453600 | 6579100 | 1 | 3 | 32 | 13.2 | 0.91 | 1.26 | 1.8 | 68.4 | 11.6 | 92 | 270 | 48.8 |
| RHA10125 | 453650 | 6579100 | 1 | 10 | 45 | 30.57 | 0.61 | 1.44 | 1.7 | 106.3 | 10.7 | 118 | 167.3 | 48.8 |
| RHA10126 | 453700 | 6579100 | 1 | 13 | 46.3 | 4.68 | 0.79 | 2.59 | 1.8 | 89 | 13.2 | 66 | 99.6 | 28.3 |
| RHA10127 | 453750 | 6579100 | 1 | 9 | 56.5 | 6.32 | 1.18 | 3.68 | 2.3 | 130.4 | 15.8 | 79 | 120.6 | 37.9 |
| RHA10128 | 453800 | 6579100 | 1 | 40 | 39.9 | 3.49 | 0.53 | 6.12 | 2 | 203.9 | 8.9 | 69 | 137.1 | 44.9 |
| RHA10131 | 450750 | 6578800 | 1 | 4 | 15.5 | 7.02 | 0.42 | 0.74 | 1.2 | 50.1 | 9.4 | 57 | 59.9 | 12.1 |
| RHA10132 | 450800 | 6578800 | 0.3 | 10 | 21.2 | 5.76 | 0.6 | 1.36 | 1.5 | 54.4 | 14.4 | 65 | 64 | 13.3 |
| RHA10136 | 451000 | 6578800 | 1 | 4 | 30.8 | 4.73 | 0.71 | 1.43 | 2.1 | 58.8 | 16.4 | 96 | 94.3 | 19.6 |
| RHA10138 | 451100 | 6578800 | 1 | 7 | 22.5 | 2.42 | 0.37 | 0.58 | 0.7 | 139 | 3.9 | 73 | 127.6 | 48.7 |
| RHA10140 | 451200 | 6578800 | 1 | 7 | 14.4 | 10.26 | 0.41 | 0.63 | 1.3 | 81.2 | 4.6 | 41 | 36.1 | 12.8 |
| RHA10141 | 451250 | 6578800 | 1 | 6 | 17.9 | 10.53 | 0.57 | 1.07 | 1.2 | 20.1 | 5 | 37 | 40 | 14.8 |
| RHA10144 | 451400 | 6578800 | 1 | 11 | 22.7 | 2.82 | 0.6 | 1.08 | 2.5 | 29.8 | 10.6 | 38 | 42.5 | 16.6 |
| RHA10148 | 451600 | 6578800 | 1 | 14 | 18.6 | 8.19 | 0.75 | 0.76 | 1.4 | 28.4 | 5.5 | 30 | 28.1 | 9 |
| RHA10156 | 452000 | 6578800 | 1 | 6 | 26.1 | 2.24 | 0.92 | 1.22 | 3 | 19.7 | 7.3 | 47 | 33.8 | 13.6 |
| RHA10164 | 452400 | 6578800 | 1 | 9 | 23.7 | 10.18 | 0.49 | 1.08 | 1.4 | 41.9 | 5.4 | 82 | 56.9 | 18 |
| RHA10167 | 452550 | 6578800 | 1 | 9 | 39.9 | 6.04 | 0.62 | 1.81 | 2 | 64.5 | 13.2 | 85 | 106.1 | 27.2 |
| RHA10175 | 452950 | 6578800 | 1 | 6 | 27.8 | 5.14 | 1.79 | 1.36 | 1.4 | 57.2 | 9.3 | 80 | 96.3 | 25.4 |

| Sample_ID | Easting | Northing | Depth | Au | Li | Cs | Ta | Be | Sn | Cu | Pb | Zn | Ni | Co |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MGA51 | MGA51 | m | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| RHA10177 | 453050 | 6578800 | 1 | 7 | 14.7 | 2.09 | 0.41 | 0.63 | 1.2 | 70.8 | 6.5 | 108 | 56.2 | 16 |
| RHA10178 | 453100 | 6578800 | 1 | 14 | 13.5 | 1.58 | 1.19 | 0.48 | 1 | 68.8 | 5.2 | 70 | 60.5 | 24.7 |
| RHA10181 | 453250 | 6578800 | 0.5 | 23 | 15.9 | 2.26 | 0.34 | 0.88 | 0.8 | 64.9 | 6 | 47 | 68.1 | 19.4 |
| RHA10182 | 453300 | 6578800 | 1 | 9 | 24.3 | 3.8 | 0.46 | 1.09 | 1.3 | 85 | 9.1 | 105 | 98.8 | 31.6 |
| RHA10183 | 453350 | 6578800 | 0.5 | 6 | 12.8 | 2.27 | 0.36 | 0.52 | 1 | 85.3 | 6.9 | 170 | 68.9 | 30.5 |
| RHA10184 | 453400 | 6578800 | 1 | 8 | 15.1 | 6.08 | 0.41 | 0.68 | 1.1 | 91 | 6.7 | 95 | 78 | 29.4 |
| RHA10186 | 453500 | 6578800 | 0.3 | 8 | 17.7 | 2.99 | 0.43 | 0.77 | 1 | 95 | 8.6 | 75 | 98.4 | 26.4 |
| RHA10188 | 453600 | 6578800 | 0.7 | 19 | 32.3 | 3.48 | 1.87 | 1.66 | 1.4 | 76.2 | 10.6 | 69 | 126.2 | 38.3 |
| RHA10189 | 453650 | 6578800 | 0.4 | 5 | 42.4 | 3.45 | 2.35 | 1.73 | 1.6 | 68.7 | 11.6 | 64 | 131.2 | 35.5 |
| RHA10190 | 453700 | 6578800 | 0.4 | 6 | 39.3 | 3.42 | 1.46 | 1.78 | 1.6 | 73.4 | 12 | 71 | 137.9 | 32.6 |
| RHA10193 | 450650 | 6578500 | 1 | 4 | 15.3 | 11.69 | 0.5 | 0.7 | 1 | 37.4 | 5.9 | 53 | 44.8 | 12.6 |
| RHA10195 | 450750 | 6578500 | 1 | 2 | 24.5 | 27.61 | 0.52 | 0.94 | 1.2 | 37.3 | 6 | 71 | 95 | 23.1 |
| RHA10196 | 450800 | 6578500 | 1 | 4 | 16.6 | 15.37 | 0.39 | 0.73 | 1 | 61.3 | 6.4 | 133 | 85.7 | 16.7 |
| RHA10197 | 450850 | 6578500 | 1 | 7 | 14.2 | 12.31 | 0.4 | 0.84 | 1.2 | 45.8 | 14.4 | 60 | 55.5 | 12.1 |
| RHA10200 | 451000 | 6578500 | 1 | 4 | 12.7 | 10.18 | 0.42 | 0.8 | 1.1 | 48.9 | 6.1 | 58 | 69.9 | 15.9 |
| RHA10201 | 451050 | 6578500 | 0.4 | 5 | 20.4 | 6.38 | 0.63 | 1.11 | 1.8 | 47.5 | 11.8 | 70 | 63.5 | 15.8 |
| RHA10202 | 451100 | 6578500 | 1 | 4 | 27.8 | 4.92 | 0.68 | 1.27 | 2.1 | 55 | 15.8 | 82 | 93.3 | 23.1 |
| RHA10203 | 451150 | 6578500 | 1 | 19 | 11.3 | 3.25 | 1.03 | 0.83 | 1 | 30.2 | 4.6 | 30 | 36.8 | 11.4 |
| RHA10206 | 451300 | 6578500 | 0.6 | 12 | 11.6 | 10.47 | 0.69 | 0.98 | 2.9 | 31.4 | 7.8 | 41 | 19.1 | 9.2 |
| RHA10207 | 451350 | 6578500 | 1 | 6 | 20.5 | 4.49 | 0.81 | 1.44 | 1.7 | 22.8 | 14.8 | 38 | 36.5 | 12.4 |
| RHA10208 | 451400 | 6578500 | 1 | 7 | 17.5 | 1.95 | 0.53 | 0.86 | 1.3 | 58.3 | 6.7 | 65 | 116 | 38.6 |
| RHA10222 | 452100 | 6578500 | 1 | 12 | 26.2 | 2.38 | 0.99 | 1.73 | 3.7 | 28.8 | 9.8 | 58 | 50 | 16.8 |
| RHA10229 | 452450 | 6578500 | 1 | 8 | 50 | 6.76 | 0.86 | 2.17 | 2.5 | 77.9 | 17.1 | 105 | 135.3 | 34.8 |
| RHA10231 | 452550 | 6578500 | 1 | 25 | 32.2 | 4.39 | 0.58 | 1.46 | 1.5 | 83.9 | 11.1 | 74 | 109 | 27.3 |
| RHA10232 | 452600 | 6578500 | 1 | 27 | 21.5 | 2.8 | 0.62 | 1.27 | 1.1 | 68.7 | 7.7 | 59 | 81.5 | 22 |
| RHA10235 | 452750 | 6578500 | 1 | 24 | 12.3 | 1.5 | 0.32 | 0.55 | 0.6 | 31.8 | 4.8 | 29 | 35.2 | 11 |
| RHA10236 | 452800 | 6578500 | 1 | 21 | 20.6 | 2.37 | 0.45 | 0.89 | 1 | 50.4 | 8.8 | 53 | 67.5 | 18.1 |
| RHA10239 | 452950 | 6578500 | 0.9 | 26 | 19.9 | 2.21 | 0.35 | 0.84 | 0.9 | 42.2 | 6.9 | 45 | 72.5 | 15.9 |
| RHA10243 | 453150 | 6578500 | 1 | 16 | 13.8 | 1.66 | 0.33 | 0.9 | 1 | 61.3 | 8.3 | 73 | 72 | 63.6 |
| RHA10250 | 453500 | 6578500 | 1 | 18 | 21.2 | 2.8 | 0.29 | 0.58 | 0.8 | 106 | 5.7 | 130 | 64.6 | 34.7 |
| RHA10251 | 453550 | 6578500 | 1 | 7 | 19.2 | 7.42 | 0.36 | 0.77 | 1.1 | 74.9 | 10.4 | 66 | 57.1 | 20.5 |
| RHA10252 | 453600 | 6578500 | 0.3 | 8 | 15.4 | 3.51 | 0.39 | 0.56 | 0.8 | 89.8 | 7.4 | 87 | 84.6 | 24.9 |
| RHA10253 | 453650 | 6578500 | 1 | 5 | 12.7 | 2.01 | 0.54 | 0.66 | 0.9 | 95.6 | 7 | 62 | 78.3 | 22.4 |
| RHA10254 | 453700 | 6578500 | 1 | 3 | 26.3 | 2.48 | 0.47 | 0.89 | 1.2 | 131.4 | 10.1 | 62 | 126 | 37.1 |
| RHA10255 | 453750 | 6578500 | 1 | 6 | 24.5 | 4.46 | 0.63 | 0.89 | 1.2 | 116.4 | 19.8 | 89 | 125.7 | 33.3 |
| RHA10256 | 453800 | 6578500 | 1 | 6 | 26.9 | 4.78 | 0.66 | 1.48 | 1.4 | 88 | 12.3 | 72 | 121.7 | 36.1 |
| RHA10258 | 450700 | 6578200 | 1 | 5 | 18.6 | 5.62 | 0.54 | 1.26 | 1.4 | 45.6 | 13.6 | 63 | 54.2 | 12.4 |
| RHA10260 | 450800 | 6578200 | 1 | 3 | 16.4 | 4.03 | 0.56 | 1.32 | 1.1 | 36.6 | 17 | 57 | 40.8 | 10.4 |
| RHA10261 | 450850 | 6578200 | 1 | 2 | 13.2 | 10.47 | 0.45 | 0.73 | 1.1 | 35.8 | 9.6 | 61 | 50.3 | 14 |
| RHA10262 | 450900 | 6578200 | 1 | 2 | 19.2 | 6.84 | 0.54 | 0.7 | 1.2 | 46.9 | 9.7 | 59 | 59.3 | 17.7 |
| RHA10264 | 451000 | 6578200 | 1 | 3 | 24 | 4.27 | 0.54 | 1.04 | 1.4 | 55.6 | 10 | 86 | 100.8 | 22.3 |
| RHA10266 | 451100 | 6578200 | 1 | 8 | 22.4 | 3.24 | 0.5 | 1.02 | 1.5 | 62.2 | 10.3 | 92 | 90.2 | 21.2 |
| RHA10268 | 451200 | 6578200 | 1 | 7 | 20.2 | 3.85 | 0.51 | 1.12 | 1.3 | 44.5 | 13.8 | 61 | 67.4 | 16.6 |
| RHA10269 | 451250 | 6578200 | 1 | 4 | 30 | 4.92 | 0.69 | 1.41 | 2.2 | 51.6 | 14.8 | 84 | 92.2 | 21.5 |

| Sample_ID | Easting | Northing | Depth | Au | Li | Cs | Ta | Be | Sn | Cu | Pb | Zn | Ni | Co |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MGA51 | MGA51 | m | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| RHA10270 | 451300 | 6578200 | 1 | 2 | 32.2 | 5.79 | 0.84 | 1.56 | 2.4 | 55.3 | 18.2 | 75 | 92.8 | 24.8 |
| RHA10271 | 451350 | 6578200 | 1 | 3 | 23.6 | 7.64 | 0.8 | 1.58 | 2 | 14.5 | 9.3 | 28 | 27.7 | 16.2 |
| RHA10274 | 451500 | 6578200 | 0.9 | 13 | 26.6 | 4.78 | 0.8 | 1.97 | 2.7 | 16.4 | 9.1 | 40 | 37.6 | 23.7 |
| RHA10275 | 451550 | 6578200 | 0.6 | 3 | 22.4 | 2.37 | 0.95 | 1.93 | 3.5 | 16 | 8.4 | 30 | 34.3 | 21.5 |
| RHA10276 | 451600 | 6578200 | 0.8 | 4 | 17.8 | 2.2 | 1.03 | 1.8 | 2.7 | 16.3 | 8.2 | 30 | 33.9 | 17 |
| RHA10277 | 451650 | 6578200 | 1 | 5 | 15.6 | 5.09 | 1.12 | 1.31 | 2.5 | 12.2 | 7.4 | 36 | 23.7 | 15.7 |
| RHA10278 | 451700 | 6578200 | 1 | 5 | 24.9 | 3.27 | 0.75 | 1.91 | 2.4 | 19.4 | 8.8 | 31 | 41.8 | 16.6 |
| RHA10279 | 451750 | 6578200 | 1 | 3 | 20.4 | 2.34 | 0.87 | 1.52 | 2.6 | 18.3 | 11.4 | 33 | 39.4 | 15.7 |
| RHA10280 | 451800 | 6578200 | 1 | 6 | 23.8 | 3.78 | 0.89 | 1.76 | 2.5 | 21.2 | 9.7 | 37 | 45.6 | 19.2 |
| RHA10281 | 451850 | 6578200 | 1 | 7 | 23.7 | 2.88 | 0.66 | 1.76 | 2.4 | 24.2 | 8.6 | 32 | 46.3 | 17.9 |
| RHA10283 | 451950 | 6578200 | 0.6 | 6 | 28.1 | 2.88 | 0.82 | 1.65 | 2.4 | 27 | 9.9 | 39 | 53.8 | 17.7 |
| RHA10295 | 452550 | 6578200 | 1 | 8 | 16.6 | 2.04 | 1.46 | 0.83 | 0.8 | 49.1 | 7.4 | 39 | 42 | 10.2 |
| RHA10296 | 452600 | 6578200 | 1 | 8 | 39.5 | 4.87 | 1.48 | 1.79 | 1.8 | 70.9 | 12 | 84 | 117.2 | 30.9 |
| RHA10334 | 451300 | 6577900 | 0.6 | 5 | 24.7 | 8.8 | 0.86 | 1.82 | 2.5 | 26 | 10.2 | 62 | 37.5 | 14.4 |
| RHA10336 | 451400 | 6577900 | 1 | 13 | 15.8 | 10.26 | 0.66 | 1.06 | 1.9 | 47 | 10.2 | 56 | 31.4 | 10.5 |
| RHA10341 | 451650 | 6577900 | 1 | 4 | 24 | 2.68 | 0.9 | 1.8 | 2.8 | 25 | 10.3 | 35 | 51.9 | 17.8 |
| RHA10342 | 451700 | 6577900 | 1 | 9 | 18.9 | 2.28 | 0.98 | 1.58 | 3.4 | 22.2 | 7.5 | 40 | 38.2 | 19.6 |
| RHA10345 | 451850 | 6577900 | 1 | 4 | 17.6 | 2.2 | 0.46 | 1.91 | 1.6 | 15.1 | 14.9 | 30 | 32.2 | 11 |
| RHA10351 | 452150 | 6577900 | 1 | 7 | 28.6 | 3.68 | 1.19 | 1.39 | 1.9 | 36.7 | 12.3 | 65 | 77 | 17.9 |
| RHA10358 | 452500 | 6577900 | 1 | 9 | 40.8 | 5.04 | 0.7 | 1.72 | 1.8 | 76.8 | 12.7 | 93 | 120.2 | 29.9 |
| RHA10363 | 452750 | 6577900 | 1 | 9 | 47 | 2.13 | 0.4 | 0.6 | 1.1 | 37.8 | 6.1 | 36 | 48.7 | 13.9 |
| RHA10370 | 453100 | 6577900 | 0.7 | 20 | 22.8 | 1.84 | 0.43 | 0.73 | 1.2 | 37.9 | 6.5 | 23 | 87.3 | 13.8 |
| RHA10371 | 453150 | 6577900 | 0.5 | 23 | 12.3 | 1.26 | 0.26 | 0.49 | 0.7 | 38.8 | 3.9 | 16 | 44.3 | 7.9 |
| RHA10372 | 453200 | 6577900 | 0.3 | 31 | 15 | 1.67 | 0.35 | 0.51 | 0.8 | 52.3 | 5.1 | 29 | 75.1 | 10.5 |
| RHA10373 | 453250 | 6577900 | 1 | 5 | 10.4 | 1.77 | 1.55 | 0.62 | 0.8 | 37.6 | 8.2 | 31 | 53.9 | 8.6 |
| RHA10375 | 453350 | 6577900 | 1 | 7 | 18.1 | 1.87 | 0.37 | 0.87 | 1.2 | 60 | 8.5 | 101 | 140.1 | 30.4 |
| RHA10379 | 453550 | 6577900 | 1 | 6 | 27.6 | 2.92 | 1.21 | 1.03 | 1.1 | 74.8 | 7.6 | 78 | 150.8 | 34.2 |
| RHA10380 | 453600 | 6577900 | 1 | 6 | 17.3 | 1.59 | 0.44 | 0.75 | 0.8 | 53.6 | 6.4 | 57 | 95.6 | 41.9 |
| RHA10384 | 453800 | 6577900 | 1 | 6 | 19 | 1.66 | 0.42 | 0.91 | 1.3 | 94 | 8.4 | 108 | 102.1 | 37.9 |
| RHA10387 | 450750 | 6577600 | 1 | 2 | 27.2 | 4.28 | 0.65 | 1.23 | 1.7 | 47.5 | 15.6 | 79 | 105.1 | 26.7 |
| RHA10393 | 451050 | 6577600 | 1 | 4 | 18.6 | 3.46 | 0.34 | 0.61 | 0.9 | 38.4 | 8.2 | 116 | 81.4 | 16.7 |
| RHA10394 | 451100 | 6577600 | 1 | 6 | 15 | 2.39 | 0.28 | 0.53 | 0.8 | 97.1 | 4.9 | 56 | 45 | 20.2 |
| RHA10397 | 451250 | 6577600 | 1 | 4 | 23.2 | 2.54 | 1.03 | 1.65 | 2.8 | 17.6 | 7.6 | 48 | 44.7 | 21.5 |
| RHA10398 | 451300 | 6577600 | 1 | 3 | 21 | 2.34 | 2.05 | 1.77 | 2.9 | 13.3 | 7 | 30 | 37.6 | 16 |
| RHA10399 | 451350 | 6577600 | 1 | 6 | 29.1 | 4.34 | 0.79 | 1.83 | 3.2 | 19.4 | 8.4 | 34 | 58.5 | 17.9 |
| RHA10402 | 451500 | 6577600 | 1 | 3 | 29.5 | 7.66 | 0.71 | 1.84 | 2.4 | 13.2 | 7.9 | 31 | 27.6 | 16.4 |
| RHA10403 | 451550 | 6577600 | 1 | 5 | 20.6 | 6.05 | 0.77 | 2.14 | 2.1 | 14.2 | 9.6 | 29 | 33.3 | 12.5 |
| RHA10404 | 451600 | 6577600 | 1 | 5 | 23.7 | 2.92 | 0.94 | 1.75 | 2.6 | 20.6 | 8.5 | 29 | 45.1 | 18.1 |
| RHA10406 | 451700 | 6577600 | 1 | 6 | 24.1 | 3.05 | 0.71 | 1.86 | 2.4 | 18.2 | 9.5 | 28 | 54.5 | 19 |
| RHA10407 | 451750 | 6577600 | 1 | 5 | 28.4 | 2.69 | 0.89 | 1.99 | 3.1 | 24.4 | 10.4 | 36 | 63.6 | 23.9 |
| RHA10415 | 452150 | 6577600 | 1 | 5 | 31.5 | 4.62 | 0.71 | 1.6 | 2.1 | 47.7 | 15.7 | 72 | 101.9 | 24.5 |
| RHA10416 | 452200 | 6577600 | 1 | 3 | 30.1 | 4.38 | 0.74 | 1.5 | 2.1 | 45.8 | 15.3 | 70 | 97.7 | 23.3 |
| RHA10418 | 452300 | 6577600 | 1 | 5 | 36.8 | 4.65 | 0.67 | 1.74 | 2 | 56.6 | 13.8 | 78 | 110.5 | 28.2 |
| RHA10419 | 452350 | 6577600 | 1 | 4 | 41.3 | 5.53 | 0.64 | 1.9 | 1.9 | 72.5 | 14.6 | 99 | 135.2 | 37.5 |

| Sample_ID | Easting | Northing | Depth | Au | Li | Cs | Ta | Be | Sn | Cu | Pb | Zn | Ni | Co |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MGA51 | MGA51 | m | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| RHA10426 | 452700 | 6577600 | 1 | 2 | 28.4 | 2.81 | 0.97 | 1.28 | 1.5 | 38.5 | 14.5 | 59 | 83 | 18.1 |
| RHA10440 | 453400 | 6577600 | 1 | 10 | 27.8 | 3.57 | 0.52 | 1.38 | 1.6 | 81.1 | 11.8 | 77 | 113.3 | 35.4 |
| RHA10441 | 453450 | 6577600 | 1 | 14 | 18.5 | 2.56 | 1.4 | 0.91 | 1.2 | 54.7 | 8.1 | 53 | 69.1 | 19.1 |
| RHA10449 | 450650 | 6577300 | 1 | 9 | 27.6 | 5.8 | 0.57 | 1.35 | 1.6 | 64.5 | 13.8 | 84 | 102.5 | 25 |
| RHA10453 | 450850 | 6577300 | 1 | 8 | 31.3 | 5.78 | 0.64 | 1.4 | 1.7 | 56.7 | 14 | 90 | 115.1 | 23.5 |
| RHA10454 | 450900 | 6577300 | 1 | 7 | 24.7 | 5.87 | 0.56 | 1.14 | 1.5 | 54.9 | 12.5 | 87 | 104.8 | 22 |
| RHA10455 | 450950 | 6577300 | 1 | 12 | 10.2 | 1.25 | 0.41 | 0.57 | 0.7 | 64.2 | 3.6 | 75 | 32.8 | 36.4 |
| RHA10456 | 451000 | 6577300 | 1 | 7 | 13.2 | 11.03 | 0.3 | 1.08 | 1 | 33.4 | 10.4 | 45 | 30 | 9.6 |
| RHA10459 | 451150 | 6577300 | 1 | 7 | 15.6 | 2.14 | 0.45 | 0.56 | 2.3 | 255 | 3.1 | 34 | 70.6 | 30.1 |
| RHA10464 | 451400 | 6577300 | 1 | 11 | 24.9 | 2.96 | 0.59 | 2.11 | 1.9 | 16.6 | 9.1 | 25 | 43.5 | 13.5 |
| RHA10467 | 451550 | 6577300 | 1 | 14 | 27.3 | 2.56 | 0.4 | 1.11 | 1.3 | 103 | 8.2 | 64 | 86.2 | 45 |
| RHA10470 | 451700 | 6577300 | 1 | 28 | 27.3 | 4.35 | 0.75 | 1.67 | 2.2 | 20.7 | 7.9 | 35 | 41.4 | 16.7 |
| RHA10471 | 451750 | 6577300 | 0.7 | 19 | 24.9 | 3.09 | 0.65 | 2 | 2 | 19.5 | 10.7 | 23 | 35.4 | 12.4 |
| RHA10472 | 451800 | 6577300 | 1 | 22 | 24.6 | 3.19 | 0.78 | 2.01 | 2.6 | 19.8 | 11.9 | 30 | 42.4 | 15.1 |
| RHA10473 | 451850 | 6577300 | 1 | 19 | 26.3 | 2.2 | 0.66 | 2.06 | 3.3 | 21.9 | 9.4 | 38 | 47.7 | 23.8 |
| RHA10479 | 452150 | 6577300 | 1 | 20 | 13.8 | 1.64 | 0.5 | 1.31 | 1.8 | 15.7 | 7.3 | 59 | 39.5 | 14.9 |
| RHA10480 | 452200 | 6577300 | 1 | 6 | 29.6 | 4.57 | 0.69 | 1.51 | 2.1 | 42.6 | 14.3 | 71 | 91.9 | 23.4 |
| RHA10481 | 452260 | 6577300 | 1 | 6 | 36.4 | 5.19 | 0.66 | 1.82 | 2.1 | 59.1 | 15.4 | 85 | 115.6 | 30.3 |
| RHA10483 | 452350 | 6577300 | 1 | 21 | 14.8 | 1.92 | 0.43 | 0.87 | 1.2 | 30.2 | 7.1 | 31 | 43.4 | 11.5 |
| RHA10484 | 452400 | 6577300 | 1 | 26 | 14.1 | 1.83 | 0.41 | 0.74 | 1.1 | 29.8 | 7.3 | 30 | 43.3 | 11.3 |
| RHA10485 | 452450 | 6577300 | 1 | 34 | 12.6 | 1.5 | 0.43 | 0.65 | 1.3 | 30.2 | 7.3 | 27 | 38.3 | 8.8 |
| RHA10486 | 452500 | 6577300 | 1 | 44 | 8.1 | 0.94 | 0.26 | 0.42 | 0.6 | 24.1 | 4.1 | 16 | 25.8 | 7.3 |
| RHA10487 | 452550 | 6577300 | 1 | 29 | 8.7 | 0.91 | 0.2 | 0.44 | 0.6 | 26.1 | 4 | 18 | 29.9 | 7.8 |
| RHA10488 | 452600 | 6577300 | 1 | 25 | 19.1 | 2.13 | 0.48 | 1 | 5.1 | 44.7 | 9.7 | 48 | 65.9 | 17.2 |
| RHA10490 | 452700 | 6577300 | 1 | 23 | 28.3 | 3.64 | 0.56 | 1.38 | 1.7 | 65 | 13 | 75 | 105.8 | 28.3 |
| RHA10492 | 452800 | 6577300 | 1 | 23 | 25.3 | 3.02 | 0.46 | 1.23 | 1.4 | 69 | 10.2 | 62 | 89.3 | 23.2 |
| RHA10493 | 452850 | 6577300 | 1 | 21 | 24.5 | 3.01 | 0.47 | 1.15 | 1.4 | 68 | 10.1 | 61 | 85.2 | 22.9 |
| RHA10497 | 453050 | 6577300 | 1 | 24 | 17 | 1.78 | 0.51 | 0.76 | 1 | 45.6 | 7.9 | 41 | 58.9 | 17.1 |
| RHA10501 | 453250 | 6577300 | 1 | 12 | 17.9 | 1.66 | 0.33 | 0.88 | 0.9 | 38.8 | 8.1 | 39 | 70.3 | 35.8 |
| RHA10504 | 453400 | 6577300 | 1 | 5 | 41.5 | 2.95 | 2.15 | 1.63 | 1.5 | 48.3 | 13.2 | 55 | 80.3 | 19.1 |
| RHA10506 | 453500 | 6577300 | 0.4 | 10 | 27.8 | 2.9 | 1.12 | 1.31 | 1.5 | 53.6 | 12.3 | 54 | 85 | 17.8 |
| RHA10510 | 453700 | 6577300 | 1 | 8 | 24.4 | 2.65 | 0.46 | 0.92 | 1.4 | 85.6 | 9.3 | 91 | 90.8 | 30 |
| RHA10512 | 453800 | 6577300 | 1 | 8 | 24.5 | 2.8 | 0.62 | 1.09 | 1.4 | 91.4 | 10.3 | 94 | 109 | 33.3 |
| RHA10551 | 452550 | 6577000 | 1 | 24 | 16.2 | 1.82 | 0.41 | 0.85 | 1 | 37.3 | 7.7 | 34 | 48.6 | 13.3 |
| RHA10559 | 452950 | 6577000 | 1 | 17 | 27.7 | 2.56 | 1.99 | 1.17 | 1.1 | 44.6 | 9.4 | 46 | 58.3 | 16.6 |
| RHA10561 | 453050 | 6577000 | 1 | 20 | 16.1 | 1.82 | 0.44 | 0.69 | 0.8 | 38.7 | 7.6 | 35 | 46.4 | 11.7 |
| RHA10562 | 453100 | 6577000 | 1 | 10 | 27.2 | 3.33 | 0.63 | 1.36 | 1.6 | 47 | 14.2 | 63 | 81.9 | 20.5 |
| RHA10566 | 453300 | 6577000 | 1 | 7 | 32.2 | 2.95 | 1.22 | 1.24 | 1.5 | 49.5 | 12.4 | 61 | 82.6 | 19.3 |
| RHA10569 | 453450 | 6577000 | 1 | 22 | 16.7 | 1.36 | 0.3 | 0.52 | 0.7 | 38.6 | 5.4 | 27 | 42.2 | 11.8 |
| RHA10575 | 453750 | 6577000 | 1 | 6 | 16.9 | 2.38 | 0.32 | 0.78 | 0.8 | 62.3 | 6.9 | 65 | 100.5 | 42.3 |
| RHA10610 | 452300 | 6576700 | 1 | 5 | 34.3 | 4.4 | 0.64 | 1.61 | 1.9 | 65.1 | 14.3 | 84 | 111.8 | 30.3 |
| RHA10611 | 452350 | 6576700 | 1 | 4 | 30 | 3.73 | 0.72 | 1.49 | 1.8 | 52.8 | 15.6 | 78 | 96.9 | 27.8 |
| RHA10616 | 452600 | 6576700 | 1 | 24 | 9.9 | 0.97 | 0.35 | 0.58 | 0.6 | 29.8 | 5 | 22 | 33.7 | 13.1 |
| RHA10617 | 452650 | 6576700 | 1 | 7 | 22.5 | 2.53 | 0.72 | 1.25 | 1.4 | 38.9 | 14.2 | 52 | 70.1 | 20.6 |

| Sample_ID | Easting | Northing | Depth | Au | Li | Cs | Ta | Be | Sn | Cu | Pb | Zn | Ni | Co |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MGA51 | MGA51 | m | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| RHA10626 | 453100 | 6576700 | 1 | 33 | 13.7 | 1.13 | 0.24 | 0.5 | 0.6 | 34.9 | 5.1 | 25 | 32.2 | 10.2 |
| RHA10630 | 453300 | 6576700 | 1 | 6 | 33.5 | 3.82 | 0.58 | 1.33 | 1.8 | 79.4 | 13.4 | 91 | 111 | 30.8 |
| RHA10631 | 453350 | 6576700 | 1 | 7 | 30.2 | 3.48 | 0.54 | 1.28 | 1.6 | 89.9 | 12.1 | 90 | 107.8 | 28.9 |
| RHA10637 | 453650 | 6576700 | 1 | 6 | 13.9 | 1.68 | 1.22 | 0.62 | 1.6 | 46 | 8.3 | 43 | 49.8 | 11.3 |

**Table 1**. Significant results (>95% threshold values) from the deep soils programme. Gold (>19 ppb Au), lithium (>41.5 ppm Li), Cs (>6.21 ppm Cs), Ta (>0.98 ppm Ta), Be (>1.99 ppm Be), Sn (>2.3 ppm Sn), Cu (>89.9 ppm Cu), Pb (>13.4 ppm Pb), Zn (>84 ppm Zn), Ni (>116.2 ppm Ni) & Co (>34.2 ppm Co).

## Next Steps

- Completion of the Roe Hills North Deep Soils Programme
- Aeromagnetic interpretation of the Roe Hills Project
- Mineralisation review of all gold, copper, zinc, nickel-cobalt occurrences
- Drill preparation for the Black Cat & Crystal Palace anomaly

## About Kairos Minerals

Kairos Minerals (ASX:KAI) owns 100% of the flagship 1.1 Mozs **Mt York Gold Project** that was partially mined by Lynas Gold NL between 1994 and 1998. Kairos has recognized that the resource has significant potential to grow further from its current 1.1 Moz base. Pre-feasibility work will progress rapidly underpinned by the resource expansion work that will collect important information for metallurgical testwork, mining and process engineering to determine viability and optimal pathway to develop a sustainable, long-lived mining project. Current resources at a 0.7 g/t Au cutoff grade are shown in the table below.

| Deposit | Indicated | | | Inferred | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|
| | Tonnes (MT) | Au (g/t) | Ounces (kozs) | Tonnes (MT) | Au (g/t) | Ounces (kozs) | Tonnes (MT) | Au (g/t) | Ounces (kozs) |
| Main Trend | 11.02 | 1.26 | 446 | 12.26 | 1.15 | 452 | 23.27 | 1.20 | 899 |
| Iron Stirrup | 1.18 | 1.81 | 69 | 0.63 | 1.66 | 34 | 1.81 | 1.76 | 102 |
| Old Faithful | 1.73 | 1.19 | 66 | 1.19 | 0.96 | 38 | 2.93 | 1.1 | 103 |
| **Total** | 13.93 | **1.30** | **581** | **14.08** | **1.15** | **523** | **28.01** | **1.23** | **1,104** |

Kairos has recently discovered spodumene-bearing pegmatites adjacent to the Mt York Gold Project and is evaluating their potential to become part of a value-adding lithium project into the future.

Kairos's 100%-owned Roe Hills Project, located 120km east of Kalgoorlie in WA's Eastern Goldfields, comprises an extensive tenement portfolio where the Company's exploration work has confirmed the potential for significant discoveries of high-grade gold, nickel and cobalt mineralization. Kaiors has also discovered a 2,600m long Li-Cs-Rb soil anomaly in an exciting and emerging lithium province that will be drill-tested.

This announcement has been authorised for release by the Board.

**Peter Turner**
**Managing Director**

**Zane Lewis**
**Non Executive Director**

**For Investor Information please contact:**

Paul Armstrong
Read Corporate
0421 619 084

**COMPETENT PERSON STATEMENT:**

The information in this report that relates to Exploration Results or Mineral Resources is based on information compiled and reviewed by Mr Mark Falconer, who is the Exploration Manager and a full-time employee of Kairos Minerals Ltd and who is also a Member of the Australian Institute of Geoscientists (AIG). Mr Falconer has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.' (the JORC Code 2012). Mr Falconer has consented to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The Mineral Resources were first reported in the announcement dated 30 August 2022 ('Announcement'). The Company confirms that it is not aware of any new information or data that materially affects the information included in the Announcement and, in the case of estimates of mineral resources, that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.

# Appendix A - JORC Code, 2012 Edition – Table 1

## Section 1 Sampling Techniques and Data

| 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.* | • A total of 572 individual soil samples were collected from soil horizons at between 0.1 to 1.0m depth using a low-impact Kanga.<br>• The samples were collected on east-west sample lines (perpendicular to the geological strike) that are spaced 300m apart; samples were collected at 50m spaces between samples on each line.<br>• The samples were sieved -80 mesh in the field and submitted to Intertek Laboratory in Perth.<br>• Sample points were selected to try to avoid areas of transported alluvium<br>• All sieves and sample collection tools were cleaned thoroughly between sample sites<br>• Samples were collected by Kairos field technicians and geologists supported by contract staff on an *ad hoc* basis<br>• All samples underwent four acid digest for low-level gold and multi-element analysis by laboratory codes 4A-Li/MS48 (ICPMS finish). Gold was determined using fire assay of a 50g charge with ICP-OES finish (FA50/OE04) |
| ***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 is 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 is reported |
| ***Logging*** | • *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and* | • Basic nature of sample depth and geological information of coarse fraction was collected routinely |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | *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.* | • The soil samples were sieved in the field to -80 mesh (200 micron) and collected in individual, uniquely identified paper packets and sent to Intertek Laboratory in Perth for further processing and analysis via Intertek in Kalgoorlie<br>• The sample size was appropriate for the selected methods of gold and base metal analysis at Intertek.<br>• The samples were dried and pulverised to 95% passing 75um, prior to gold and multi-element analysis |
| ***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.* | • Certified Reference Material (CRM) 'standards' were used for gold, lithium and other elements consistent with the target elements<br>• CRMs were inserted at a frequency of 1 CRM to every 40 soil samples in sequence<br>• Quality Assurance-Quality Control (QAQC) measures were also adopted by the laboratory using internal standards<br>• The soil samples were submitted to independent certified laboratory Intertek in Perth for sample preparation and analysis for gold and multi-element analysis by method FA50/OE04 and 4A-Li/MS48 respectively<br>• FA_50 refers to fire assay of a 50g sample charge and ICP-OES finish for gold. 4-acid digest and ICPMS finish with emphasise on lithium and associated elements and base metals was implemented (4A-Li/MS48). The samples are reconnaissance surface samples and the methods selected for anomaly detection are considered appropriate and optimal<br>• QAQC checks include routine assessment of the CRMs to within 3 standard deviations of the CRM's recommended value for the majority of elements to the analytical method used<br>• All CRM values passed and the data confirmed and imported into the company's database |
| ***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* | • All data is received and stored securely in digital format in the Company's database.<br>• Data is routinely imported into ioGAS software and processed to identify significant 'anomalies'<br>• Data anomalies are recognised and reviewed in |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | *entry procedures, data verification, data storage (physical and electronic) protocols.*<br>• *Discuss any adjustment to assay data.* | relation to all other factors including geology and sample type |
| ***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.* | • Kairos' soil samples were surveyed by handheld GPS with an accuracy of +/- 5m.<br>• All location data are in MGA94 Zone 51 (GDA94). |
| ***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.* | • The soil sampling program was conducted on 300m line spacing by 50m sample interval.<br>• The sample line & grid geometry was designed to accentuate soil anomalies that may be north-south in extent (as expected) and parallel to the geological strike of the rocks. |
| ***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.* | • The soil sampling was undertaken across the strike of the known geology and structures within the project areas. |
| ***Sample security*** | • *The measures taken to ensure sample security.* | • The sample chain of custody is managed by Kairos.<br>• All samples were collected in the field at the project site in unique number-coded bags/secure labeled poly weave sacks by Kairos' geological and field personnel.<br>• All samples were delivered directly to the responsible laboratory or associated carrier by Kairos personnel before being transported to the laboratory in Perth WA for final analysis. |
| ***Audits or reviews*** | • *The results of any audits or reviews of sampling techniques and data.* | • No review or audits have been conducted |

## Section 2 Reporting of Exploration Results

| 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* | • The Roe Hills project consists of nineteen granted Exploration Licenses: E28/1935, E28/2117, E28/2118, E28/2548, E28/2585, E28/2593-E28/2597, P28/1292-P28/1300 inclusive.<br>• Kairos is not aware of any existing impediments nor of any potential impediments which may impact ongoing |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | *time of reporting along with any known impediments to obtaining a licence to operate in the area.* | exploration and development activities at the project site. |
| ***Exploration done by other parties*** | • *Acknowledgment and appraisal of exploration by other parties.* | • No significant past work has been carried out for lithium exploration in the past in the northernmost quadrant of E28/2585<br>• Previous surface soil samples were collected over other parts of E28/2585 and were reported to the ASX on 9 November 2022 (see KAI ASX announcement entitled 'Additional significant lithium targets identified at Roe Hills Project, Eastern Goldfields, WA') |
| ***Geology*** | • *Deposit type, geological setting and style of mineralisation.* | **Regional Geology**<br>• The Roe Hills Project lies across Granite-Greenstones of the Archaean Yilgarn Craton. The Yilgarn Craton is composed of greenstone and sediment units which have been deformed by tight isoclinal folds during the intrusion of diapiric granites.<br>• The mineralisation targets are intrusion/shear zone-hosted Au deposits and LCT pegmatite deposits (lithium) |
| ***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 was completed |
| ***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* | • Not applicable |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | *of metal equivalent values should be clearly stated.* | |
| ***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').* | • Not applicable |
| ***Diagrams*** | • *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.* | • Lithium and gold deep soil anomaly maps are shown on Figures 2 and 5 of this report respectively. |
| ***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 exploration results have been reported without grade cuts<br>• All results have been imported into ioGAS software and checked for quality control<br>• Lithium results have been colour-coded using the 'Progressive' reporting methodology which divides the data into percentile bins based on 30, 60, 80, 90, 95 and 98% cut-offs<br>• All elemental relationships through correlation coefficients for all multi-element data is reviewed systematically, especially lithium and associated pathfinder elements of Be, Cs, Ga K, Rb, Sn, Ta & Tl have been reviewed along with Box & Whisker plots<br>• Tantalum results are considered accurate but there is a possibility that total digest of this element has not occurred and therefore total elemental levels are not reported<br>• Anomaly maps for the various elements have been reviewed and compared along with radiometric, magnetic and geological maps to determine likely significance of soil anomalies in relation to subsurface bedrock geology |
| ***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.* | • Other relevant and meaningful data has been previously reported to the ASX on 9 November 2022 (see KAI ASX announcement entitled 'Additional significant lithium targets identified at Roe Hills Project, Eastern Goldfields, WA') |
| ***Further work*** | • *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* | • These 572 results are part of a 6,000 sample programme over the northern part of the Roe Hills tenement package particularly targeting lithium and associated mineralisation, gold |

| Criteria | JORC Code explanation | Commentary |
| --- | --- | --- |
| | • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.* | and other base metal deposits<br>• Once the programme is completed, results will be reviewed with the likely outcome of infill sampling and RC drill planning<br>• Aboriginal Heritage Protection Agreement in progressing well with the Native Title Claimant group and heritage surveys will be undertaken prior to RC drilling |