



STELLAR RESOURCES LIMITED

Tarcoola Iron Pty Ltd

EL17/2020 (MOUNT SADDLEBACK)

PARTIAL SURRENDER REPORT FOR THE PERIOD

16 August 2021 – 15 January 2024 (Entire Term)

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ABSTRACT

This Partial Surrender Report covers work completed on the 132 km² Surrendered Area of EL17/2020 surrendered on 15 January 2024 by Tarcoola Iron Pty Ltd (“Tarcoola”), a wholly owned subsidiary of Stellar Resources Limited, for the entire term the Surrendered Area has been held by Tarcoola from 16 August 2021 to 15 January 2024. The EL17/2020 Surrendered Area is located in the vicinity of Mount Saddleback including the Mathinna Plains and Upper Esk areas.

Work completed on the 93 km² Retained Area is covered in separate Annual Reports and is not included in this report.

Following Partial Surrenders of EL15/2020, EL17/2020 and EL18/2020 in January 2024, on 23 January 2024, Mineral Resources Tasmania approved Tarcoola’s application to consolidate the retained areas of EL17/2020 and EL18/2020 into the retained area of EL15/2020, with EL15/2020 now having an area of 208 km².

EL17/2020 is one of 5 Exploration Licences currently held by Tarcoola covering a combined area of 648 km² in NE Tasmania. Tarcoola is actively exploring for lithium, gold, tin, and base metals on the ground it holds in northeast Tasmania.

Regionally, North-east Tasmania is highly prospective for Victorian-style Orogenic Gold, Intrusive Related Gold Systems (IRGS) contains ~739 recorded historic gold occurrences. Included of note is the Beaconsfield Mine (2.3 MOz), Lefroy Goldfield (0.2MOz) and New Golden Gate Mine (0.3 MOz).

EL 17/2020 is situated west of the Mathinna Goldfield and northwest of Mangana Goldfield and is adjacent to the Mathinna-Alberton Corridor. Some of the Surrendered Area is overlain by thin Cenozoic cover sediments.

Work completed on the EL17/2020 Surrendered Area during the entire term the ground has been held from 16 August 2021 to 15 January 2024 has included:

- Reprocessing of geophysical surveys (aeromagnetic, radiometric and gravity surveys).
- Creation of historic exploration database and GIS environment.
- Capture of historic surface geochemistry data not in MRT Database from historic annual reports.
- Desktop targeting studies which identified the following targets within the EL17/2020 Surrendered Area:
 - Alberton North Au Target (AOI_022) - Undercover splays in magnetics and along strike of Mathinna Mineral Occurrences.
 - Golden Possum Au Target (AOI_023) (Eastern half of target within Surrendered Area) - historic stream sediment values up to 4 ppm Au.
- Four stream sediment samples were collected in August 2022 in the Hughes Road area and seven rock chip samples were collected in September 2023 in the Cokers Road area during reconnaissance visits within the Surrendered Area. One of the Stream sediment samples returned 0.19ppm Au. The other three stream sediment samples and all seven of the rock chip samples returned no significant results. These samples were not located over any of Tarcoola’s identified targets.

Tarcoola conducted a review of its NE Tasmania exploration projects in November 2023 which resulted in the priority of the targets within the Surrendered Area being downgraded and a decision being made to surrender the area to reduce costs.

Expenditure was not separately recorded for the Surrendered Area. Expenditure over the Retained and Surrendered Areas combined has been reported in previous Annual Reports.

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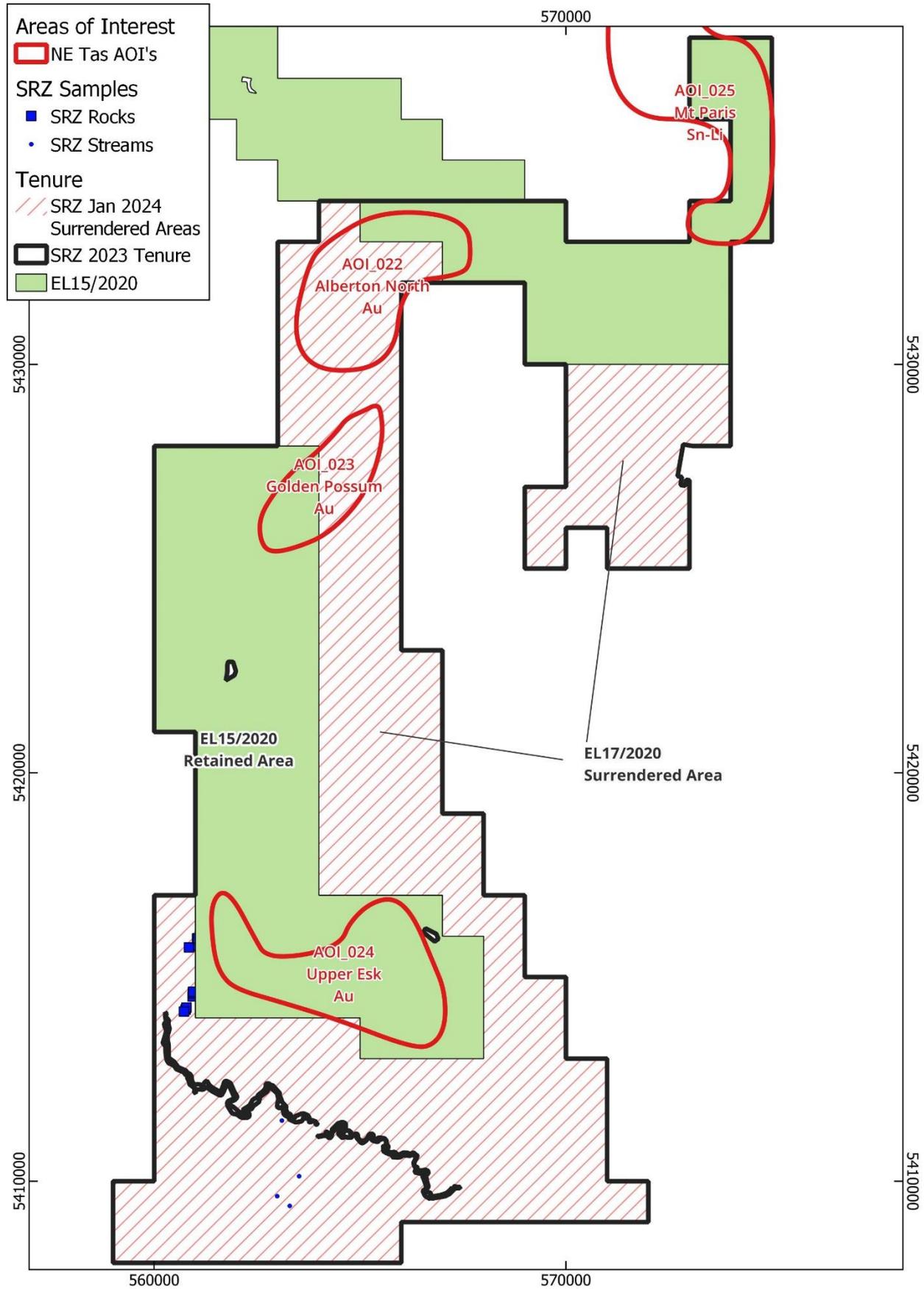


Figure 1. Activities Summary Map - EL17/2020 Surrendered Area (16 August 2021 to 15 January 2024)

1 INTRODUCTION

1.1 Exploration Rationale

1.1.1 Regional

NE Tasmania is considered an extension of the Western Lachlan Fold Belt, which hosts the 4Moz Walhalla gold mine in central Victoria (Figure 2). NE Tasmania hosts the Beaconsfield Mine (2.3 MOz), the Lefroy Goldfield (0.2MOz), and New Golden Gate Mine (0.3 MOz), as well as an additional >700 gold-bearing hard-rock mineral occurrences (Figure 3). NE Tasmania is considered prospective for orogenic and intrusion-related gold.

Orogenic gold mineralisation typically occurs within quartz veins which occupy 2nd or 3rd order dilational zones along large-scale faults related to folding and deformation. Typically, the orientation of these veins west of Pipers River tends to be east-west, which contrasts with that east of Pipers River, which tends to be NW. Both are interpreted to reflect dilation along sinistral transpressional structural corridors, oriented NW and NNW, respectively. Intrusive Related Gold occurs as veins and in stockworks at the margins of gold-bearing granodiorite stocks and plutons.

The two major mineralisation styles Orogenic gold, and Intrusion Related Gold Systems are typically identified by distinctive geophysical characteristics and associated mineral assemblages determined by the different geological settings. Regional scale structural trends/lineaments identified in aeromagnetic and gravity surveys and corresponding mapped faults have been interpreted as targets for orogenic gold mineralisation, whereas IRGS mineralisation is typically targeted using magnetic highs (or lows) associated with margins of granodiorites, interpreted as reflecting magnetite alteration and hornfelsing of the Mathinna group sediments, or strong mag-destructive sericite alteration.

1.1.2 Prospect

EL 17/2020 is situated west of the Mathinna Goldfield and northwest of Mangana Goldfield and is adjacent to the Mathinna-Alberton Corridor.

The Sideling Sandstone and Lone Star Siltstone of the Panama Group (Mathinna Group Sandstone) are the predominant units across the EL. There is a thin veneer of undifferentiated turbiditic sandstone and siltstones with interbedded mudstone and siltstone of the Panama Group in/over the central region. Unconformably overlying the Mathinna Supergroup rocks are the undifferentiated fossiliferous mudstones and siltstones of the Lower Parmeener Supergroup that crop out selectively at the northern end of the tenement.

1.1.2.1 Alberton North Au Target (AOI_022)

Selected for its undercover splays in magnetics and along strike of Mathinna Mineral Occurrences.

1.1.2.2 Golden Possum Au Target (AOI_023) (Eastern half of target within Surrendered Area)

Selected for historic stream sediment values up to 4 ppm Au.

1.2 Exploration Licence – EL17/2020 Surrendered Area

EL17/2020 was granted to Tarcoola Iron Pty Ltd (“Tarcoola”), a wholly owned subsidiary of Stellar Resources Limited, on 16 August 2021.

On 15 January 2024, Mineral Resources Tasmania approved Tarcoola’s Partial Surrender application to surrender 132 km² of EL17/2020, with 93 km² retained (see Figure 2).

This Partial Surrender Report for EL17/2020, covers work completed on the 132 km² Surrendered Area for the entire term the Surrendered Area has been held by Tarcoola (16 August 2021 to 15 January 2024).

Work completed on the 93 km² Retained Area is covered in separate Annual Reports and is not included in this report.

Following Partial Surrenders of EL15/2020, EL17/2020 and EL18/2020 in January 2024, on 23 January 2024, Mineral Resources Tasmania approved Tarcoola’s application to consolidate the retained areas of EL17/2020 and EL18/2020 into the retained area of EL15/2020, with EL15/2020 now having an area of 208 km².

EL17/2020 is one of 5 Exploration Licences currently held by Tarcoola Iron Pty Ltd, a 100% owned subsidiary of Stellar Resources Limited, covering a combined area of 648 km² in NE Tasmania. Tarcoola is actively exploring for lithium, gold, tin, and base metals on the ground it holds in northeast Tasmania.

1.2.1 Exploration Licence Summary - EL17/2020 Surrendered Area

Tenement number: EL17/2020 Surrendered Area

Tenement name: MOUNT SADDLEBACK

Tenement area: 132 km² Surrendered Area

Tenement location: The Surrendered Area is located in the vicinity of Mount Saddleback including the Mathinna Plains and Upper Esk areas.

Reporting period: 16 August 2021 to 15 January 2024.

Tenement holder: Tarcoola Iron Pty Ltd., a wholly owned subsidiary of Stellar Resources Limited.

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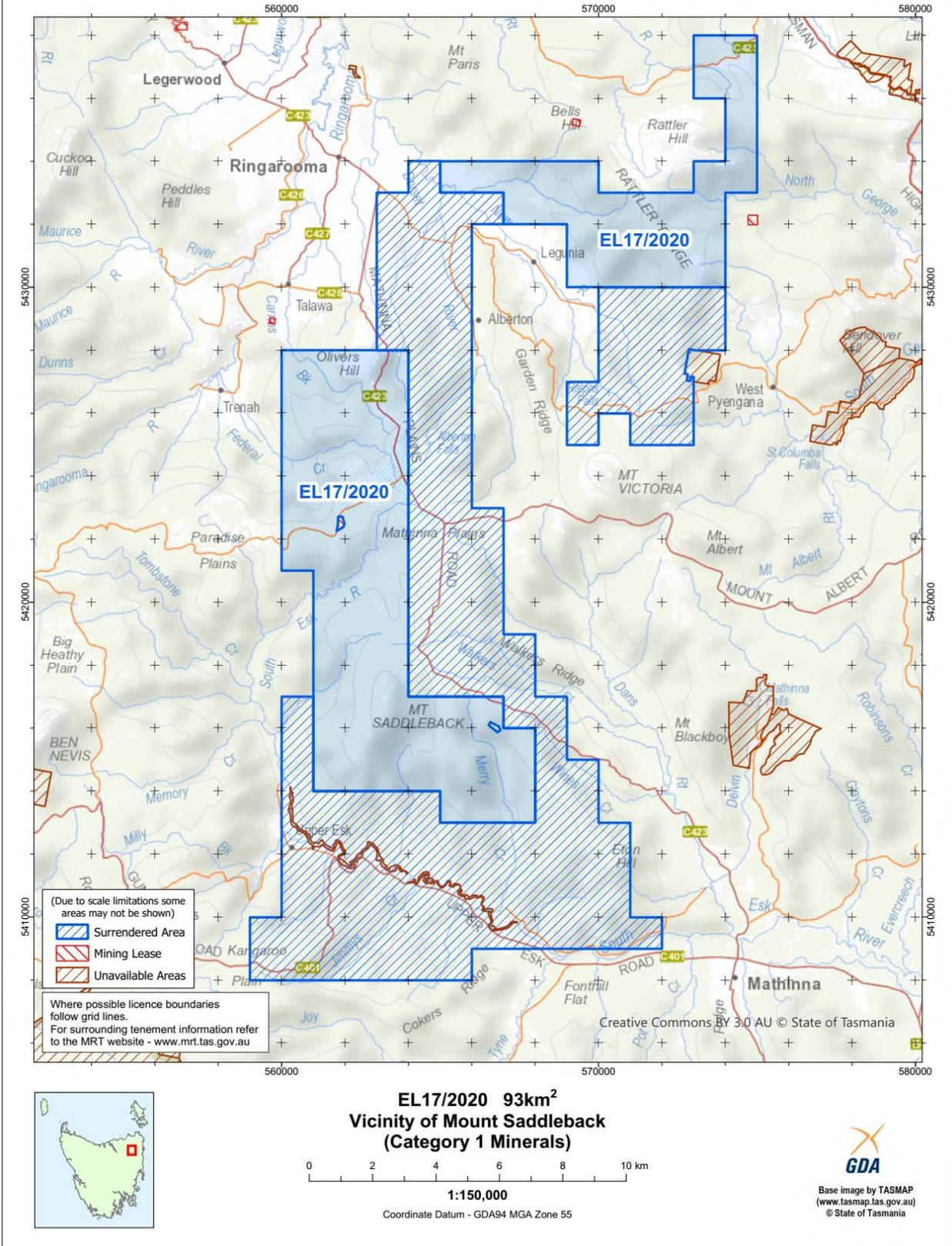


Figure 2. EL17/2020 Surrendered and Retained Areas

2 REVIEW OF PREVIOUS WORK

2.1 Historic Summary

A review of historic work completed on EL17/2020 (Surrendered and Retained Areas) was compiled by Adrian Rigg is listed in Table 1.

Table 1. Historic Exploration Summary

EL17/2020 Mt Saddleback					
Company	Year	Location	Activity	Comments	Report
Goldsearch	1988	Golden Possum	Drilling x 17	Au; PD; PD1-17	89-2947
TGS	1989	Alberton-Mangana	Aeromagnetic survey	500m fls	
Vic Threader & Assoc	1991	New River	Drilling, palaeochannel x 6	Au; Cable tool; BH41-46	91-3279
Vic Threader & Assoc	1991	Dorset River	Drilling, palaeochannel/alluvial x 38	Au; Churn holes; BH47-71	92-3377
TDM	1991	Upper Esk	Drilling, x 1	Strat hole; Diamond; Test intense mag anom (basaltic diatreme)	UR1994-13
Placer Expln	1991	Carries Brook	Soil sampling	As, Au, Cu, Pb, Sb, Zn	91-3254
Placer Expln	1991	Chinamans Cnr	Rock chip sampling	Ag, As, Au, Cu, Pb, Sb, Zn	91-3255
Newcrest Mining	1992-3	Mathinna Goldfield district	Stream sed and rock chip sampling	Ag, As, Au, Bi, Cu, Pb, Zn	93-3498
Newcrest Mining	1993	Sweets Creek	Stream sed and rock chip sampling	Ag, As, Au, Bi, Cu, Pb, Zn	93-3531
Newcrest Mining	1993	Wedge & Axe	Soil sampling	As, Au, Bi, Cu, Pb, Zn	93-3498
TGS	1993	Fingal	Aeromagnetic survey	200m fls	

3 EXPLORATION COMPLETED DURING REPORTING PERIOD

This section covers work completed by Tarcoola Iron Pty Ltd., a wholly owned subsidiary of Stellar Resources Limited, on the EL17/2020 Surrendered Area (132 km²) during the entire term the ground has been held from 16 August 2021 to 15 January 2024.

3.1 Reprocessing of Geophysical surveys

From November 2020 to January 2021 Phil Muir from Southern Mineral Exploration Geophysics completed reprocessing of aeromagnetic, radiometric and gravity surveys over tenements held by Tarcoola Iron in the NE Tasmania (Appendix A). In addition to the 2007 Northeast Tasmania and 1999 Northern Tasmania regional aeromagnetic and radiometric surveys, 6 local aeromagnetic surveys over Tarcoola Iron's NE Tasmania tenements were reprocessed using 5 different filterers on aeromagnetic surveys, 5 different filters on airborne radiometric surveys and 2 different filters on gravity surveys. For each survey and filter combination, 4 different colouring options were produced resulting in a total of 362 different reprocessed geophysical images generated (See **Appendix A**). Local surveys were also stitched into regional surveys to produce combined regional-local survey stitched images.

The reprocessed geophysical surveys produced by Southern Mineral Exploration Geophysics have provided a key targeting tool for desktop identification of orogenic structural gold targets and IRGS targets.

3.2 Creation of Historic Exploration Database and GIS Environment

In October 2020, Ross Corben from Geowiz Consulting compiled Tarcoola Iron's initial exploration database in Microsoft Access, containing all available historic exploration data including:

- Soil sampling results
- Stream sediment sampling results
- Rock chip results
- Drilling results
- Historic records on occurrences

Geowiz then established a GIS environment in Google Earth incorporating all the data in the historic exploration Microsoft Access database, along with the reprocessed geophysical surveys completed by Southern Mineral Exploration Geophysics and published 25K and 50K geological map sheets.

3.3 Capture of Historic Surface Geochemistry not in MRT Database

From February 2021 to March 2022, GIS consultant Adrian Rigg captured soil sampling, stream sediment sampling and rock chip sampling data not available in MRT's database for Tarcoola's NE Tasmania EL's from public file Company annual exploration reports. These have been added to the Access database and GIS environments by Geowiz.

A total of 17 rock chip samples, 8 stream sediment samples and zero soil samples were captured from company reports within the EL17/2020 Surrendered Area. This data is provided in **Appendix B**.

3.4 Desktop Targeting Studies

Several desktop targeting studies have been completed by Stellar and by consultant Josh Phillips from JP Geoscience. These have comprised review of all historic data including soil, rock chip and stream sediment results, drilling results and historic records on occurrences within each tenement as well as analysis of geophysical surveys completed by Phil Muir.

Targets identified within the EL17/2020 Surrendered Area are shown in Figure 1 and include:

- Alberton North Au Target (AOI_022) - Undercover splays in magnetics and along strike of Mathinna Mineral Occurrences.
- Golden Possum Au Target (AOI_023) (Eastern half of target within Surrendered Area) - historic stream sediment values up to 0.52 Au ppm downstream and historic soil sample Au values downstream from the mapped thrust in a predominantly Mathinna geological package.

3.5 Reconnaissance Visits and Surface Geochemistry

Four stream sediment samples were collected in August 2022 in the Hughes Road area and seven rock chip samples were collected in September 2023 in the Cokers Road area during reconnaissance visits within the Surrendered Area. One of the Stream sediment samples returned 0.19ppm Au. The other three stream sediment samples and all seven of the rock chip samples returned no significant results. These samples were not located over any of Tarcoola's identified targets.

Results from the 4 stream sediment samples and the 7 rock chip samples collected within the Surrendered Area are included in the MS Access database provided in **Appendix C** and shown in Figure 3.

All samples were all located by handheld GPS.

Stream sediment samples were sieved to -80 mesh in the field and taken to ALS Burnie for analysis comprising:

- Aqua Regia ICP-MS (AuME-TL43).

Rock chip samples were taken to ALS Burnie for sample preparation (coarse crush and pulverisation) and analysis comprising:

- Au was analysed using a 30g charge for fire assay (Au-AA23).
- Sn-W analysed using Lithium-borate fusion with ICP-MS finish (ME-MS85).
- Four acid digestion with ICP-MS finish (MEMS61) for all other elements.

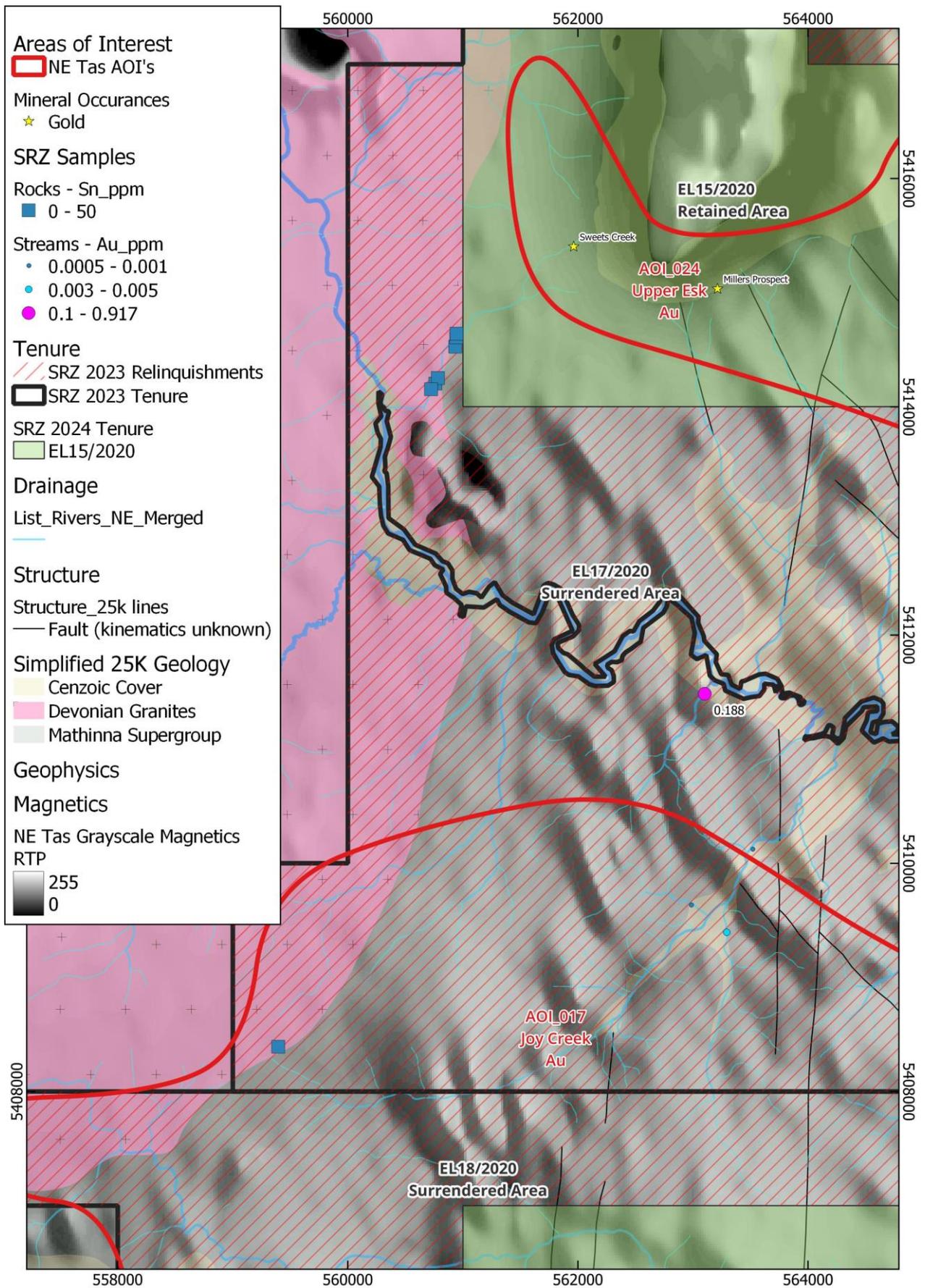


Figure 3. EL17/2020 Surrendered Area Rock Chip and Stream Sediment Sampling Results

4 DISCUSSION OF RESULTS

No surface geochemistry sampling has been undertaken over the Alberton North Au Target (AOI_022) or the eastern half of the Golden Possum Au Target (AOI_023) within the Surrendered Area. These targets remain untested.

One stream sediment sample returned anomalous gold values (0.19ppm Au). Although this sample was taken from a 3rd order tributary of the South Esk, the mapped geology suggests that the sample is in an area of alluvium derived from the main South Esk River. As such it is interpreted that the result reflects mineralisation upstream or to the north of the sample location, rather than the target drainage. The result was of interest but was considered too lower a priority for the company.

Rock chip samples from Cokers Road returned no significant results.

5 CONCLUSIONS

Tarcoola conducted a review of its NE Tasmania exploration projects in NE Tasmania in November 2023 which resulted in the priority of the targets within the Surrendered Area being downgraded and a decision being made to surrender the area to reduce costs.

6 FUTURE EXPLORATION

As the area has been surrendered, no further work is planned.

7 ENVIRONMENTAL MANAGEMENT

Minor vegetation cutting for foot access to sample sites has been the only environmental disturbances occurring from exploration activities such as geological mapping and hand sample collection. All and any disturbance is remediated immediately when samples are taken, in accordance with best practice. For example, all soil sampling holes are backfilled with a suitable length stick included, in case of subsidence, so the smaller fauna can always climb out. Disturbed rocks are replaced to preserve insect and reptile habitat.

8 EXPENDITURE

Expenditure was not separately recorded for the Surrendered Area. Expenditure over the Retained and Surrendered Areas combined has been reported in previous Annual Reports.

9 REPORTING BIBLIOGRAPHY

Annual Technical Reports as provided during the term Tarcoola Iron Pty Ltd have held EL17/2020 is detailed in Table 2 below.

Table 2. EL17/2020 List of Reports Provided During Exploration Tenement Term

COMPANY	PERIOD	TITLE	AUTHOR	APPENIDCES
Tarcoola Iron Pty Ltd (Stellar Resources Limited)	16 August 2021 to 15 August 2022	EL17_2020_2022 Annual Technical Report	R. Lockley, J. Phillips	Appendix A - Reprocessing of aeromagnetic, radiometric and gravity surveys over tenements held by Tarcoola Iron, NE Tasmania (P. Muir) Appendix B – Historic Geochemistry Database (Adrian Rigg, Ross Corben)
	16 August 2022 to 15 August 2023	EL17_2020_2023 Annual Technical Report	R. Lockley	Appendix A - EL17_2020 Tarcoola Iron Geochemical data - Access database

10 REFERENCES

See Table 1 for MRT references to Annual Reports covering historic exploration completed over EL17/2020. All historic listings are referenced by Company, Year, Location, and the relevant Report Number.

Bottril, R.S., Taheri, J., Keele, R.A., and McClenaghan. 1994, A field guide to gold deposits in northeastern Tasmania, Mineral Resources Tasmania REPORT 1994/149

Reed, A.R., 2004, Gold mineralisation and the regional Palaeozoic structure of the Mathinna Supergroup, eastern Tasmania, Mineral Resources Tasmania REPORT 2004/01

Seymour, D.B., Woolward, I.R., McClenaghan, M.P., Bottril, R.S. 2011, Stratigraphic revision and re-mapping of the Mathinna Supergroup between the River Tamar and the Scottsdale Batholith, northeast Tasmania, Mineral Resources Tasmania, Tasmania.

APPENDICES

- Appendix A Reprocessed aeromagnetic, radiometric and gravity surveys over tenements held by Tarcoola Iron, NE Tasmania (Phil Muir, Southern Mineral Exploration Geophysics, Nov 2020 – Jan 2021)
- Appendix B Historic Geochemical data captured from company reports over Surrendered Areas collected by GIS consultant Adrian Rigg. Microsoft Access database. (Ross Corben, Geowiz Consulting)
- Appendix C Surface Geochemistry Results – samples collected by Tarcoola. Microsoft Access database. (Ross Corben, Geowiz Consulting)