

Bloomier Resources Pty Ltd
PARTIAL SURRENDER REPORT
BALD HILL

For the Period

1 November 2016 to 25 October 2022

Partial Surrender Report E15/1502 & E15/1503 Bald Hill Lithium & Tantalum Project for the period ending
25/10/2022

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REPORT DATE: 23 January 2023
DISTRIBUTION:

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COW_WASG4_SURF2019.xlsx
Mapping_Jan2023_E_surrender (002).jpg
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Mapping_Jan2023_W_surrender (002).jpg
BH_WASG4_SURF2021_RockChips_1.xlsx
- Attachment 2** **Drilling Attachments**
WASL4_DownHole_coll.xlsx

ATTACHMENTS SUBMITTED SEPARATELY

1. Bibliographic Data Sheet

Project Name: Bald Hill
Combined Reporting Number: C150/2016
Tenement Numbers: E15/01503,E15/01502
Tenement Operator(s): Bloomier Resources Pty Ltd
Report Type: Partial Surrender
Report Title: Partial Surrender Report E15/1502 & E15/1503 Bald Hill Lithium & Tantalum Project for the period ending 25/10/2022

Report Period: 1 November 2016 to 25 October 2022
Author: Ralf Kriege
Submitted By: Charis BLOOMER
Report Date: 21 December 2022

Map Sheets: *1:250,000 Map Sheet* *1:100,000 Map Sheet*
SH51-14 (WIDGIEMOOLTHA) 3334 (YARDINA)

Target Commodity: LITHIUM, TANTALUM
Prospects Drilled:
PoW Number:
Geophysical Survey Reg No:
Assays: Cs, Be, K, Li, Pb, Ta, Nb, Sn, Be, U, Al, Si, Fe, S, Au, Ag, As, Co, Cr, Cu, Mg, Mn, Mo, Ni, P, Pb, Ti, V, W, Zn

Abstract

Location: The tenement is located approximately 110 km south southeast of Kalgoorlie and 70 km east of Widgiemooltha in the Goldfields-Esperance region of Western Australia. The area is accessible via the unsealed Binneringie Road, the Bald Hill Mine access road, and a network of well-developed station tracks that connect to nearby dams.

Geology: The Project area comprises Archaean quartz biotite metasediments and amphibolites of the Eastern Goldfields Terrane of the Yilgarn Craton. These metasediments trend north south and have been intruded by large numbers of pegmatites.

Work Done: Work completed by Bloomier to date has comprised desktop reviews of available spatial and historical data, detailed outcrop mapping, rock chip sampling as well as Auger drilling.

Results: While the exploration activities resulted in several anomalous Lithium and Tantalum occurrences, Bloomier considers the partial surrendered blocks the least prospective and decided to voluntarily surrender.

Conclusion: Bloomier decided to surrender the 28 blocks on E15/1503 on 24th October 2022 and 28 blocks on E15/1502 on 25th October 2022.

2. Introduction

This Partial Surrender Report covers work completed during the reporting period for tenement E15/1502 and E15/1503 at the Bald Hill Lithium and Tantalum Project, Western Australia, held by Bloomier Resources.

The project is being explored for Lithium and Tantalum. This report was compiled by Ralf Kriege, and employee of Liatam, from data and internal reports collected and generated by Bloomier Resources. This report described the exploration work carried out on the surrendered blocks on the Bloomier tenements (E15/1502 and E15/1503) between 2016 and 2022 and includes a summary of work completed historically.

3. Location and Access Details

The subject tenements forms part of the Bald Hill Lithium and Tantalum Project and is located approximately 115 km south southeast of Kalgoorlie and 65 km east of Widgiemoorltha in the Goldfields-Esperance region of Western Australia. Both tenements are located 10-20km south of the Bald Hill lithium-tantalum mine. The area is accessible via the unsealed Binneringie Road, the Bald Hill Mine access road, and a network of well-developed station tracks that connect to nearby dams.

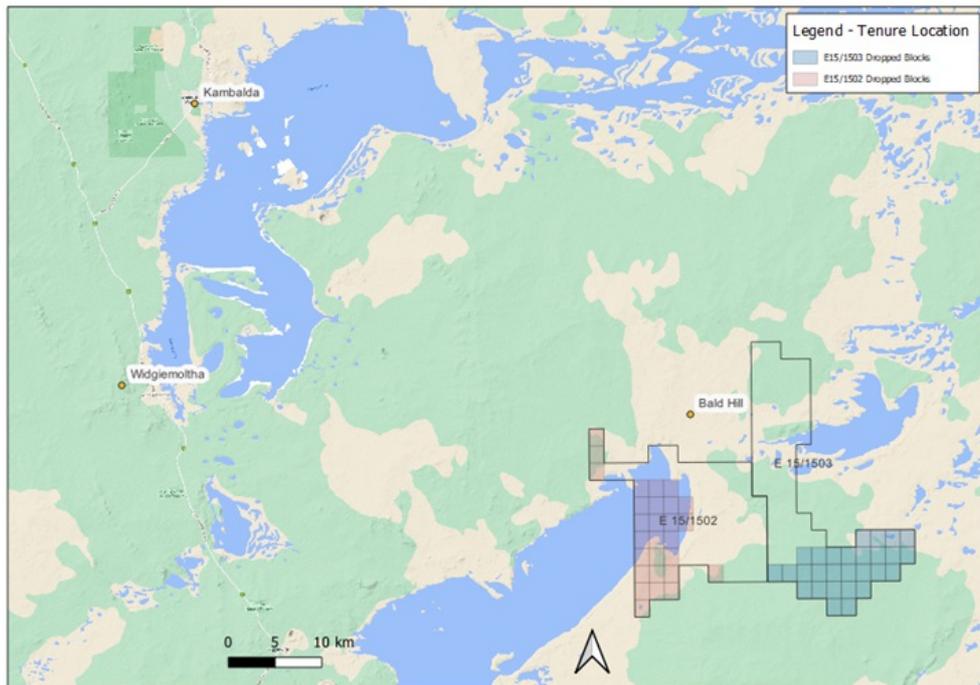


Figure 1: Location of E15/1502 and E15/1503 with relinquished blocks

4. Tenement Details

Tenement Information

Tenement	Grant Date	Expiry Date	Holder	Expenditure (\$)	Area Size (KM2)	Area Size (BLK)
E 15/1502	01/11/2016	31/10/2026	BLOOMIER RESOURCES PTY LTD	84000	117.6	42
E 15/1503	01/11/2016	31/10/2026	BLOOMIER RESOURCES PTY LTD	84000	117.6	42

The information reflects the tenure after the partial surrender.

Tenement	Grant Date	Expiry Date	Holder	Expenditure(\$)	Area Size (BLK)
E 15/1502	1/11/2016	25/10/2022	BLOOMIER RESOURCES PTY LTD	84,000	42
E 15/1503	10/01/2011	25/10/2022	BLOOMIER RESOURCES PTY LTD	84,000	42

5. Geology

5.1 Regional Geology

The Property is located within the Eastern Goldfields Province of the Archaean Yilgarn Block. The Eastern Goldfields Province is characterised by linear, northerly trending belts of Archaean supracrustal rocks comprising metamorphosed volcanic and sedimentary rocks, with intervening areas occupied by granitoid rocks. During the Proterozoic, the Archaean crust was intruded by dykes and subject to deposition of clastic sediments. A variety of early Tertiary sediments were deposited in valleys cut by eastward flowing drainage systems. Cainozoic surficial deposits now form an extensive cover over the Precambrian and Tertiary rocks, in paleo-drainages outlined by extensive playa lakes.

5.2 Local Geology

The Project area comprises Archaean quartz biotite metasediments and amphibolites of the Eastern Goldfields Terrane of the Yilgarn Craton. These metasediments trend north south and have been intruded by large numbers of pegmatites.

Two main belts of rare element Lithium-Cesium-Tantalum type ("LCT") pegmatites are known in the Project area. LCT type pegmatites are derived from highly siliceous, peraluminous (S-Type, 'fertile' granites) as highly fractionated granitic melts. These fractionated melts contain the rare elements (Be, Rb, Cs, Sn, Nb, Ta etc.) and a high volatile content (H₂O, F, B, P and Li). Petr Černý's pegmatite classification (Černý 1991) is the accepted standard. Under this pegmatite classification scheme, the Project area is prospective for:

1. LCT Albite-spodumene: These are typically unzoned, homogeneous pegmatites with subhedral spodumene in a quartz-albite. The Mt Marion pegmatites (located 75km to the northwest) are examples of this subclass.
2. LCT Albite: Zoned albite pegmatites have a fine-grained albite and quartz border zone with albite, often of the cleavelandite variety, as the central pegmatite zone. Small quartz lenses and scattered pods of coarsely crystallized quartz, microcline with accessory minerals of beryl and phosphates with mica are found irregularly within the albite central Tantalum minerals are found disseminated within the albite.
3. LCT Complex: There are considered to be four subclasses depending upon which Li-bearing mineral is dominant in the
 - Spodumene: spodumene-dominant lithium-bearing pegmatites that are zoned and mineralogically complex (e.g., the Greenbushes and Mt Catlin pegmatite deposits).
 - Petalite: Zoned pegmatites dominated by petalite and/or its alteration products (e.g., the Londonderry pegmatites, located 105km to the west-northwest).
 - Lepidolite: Pegmatites simple or zoned which are rich in lepidolite (e.g., the Mt Deans pegmatites located 105km to the southwest).
 - Amblygonite: Amblygonite-rich pegmatites (Ubini pegmatite, located 130km to the west-northwest).

The Mt Belches LCT pegmatite belt was mapped within the wider Project area and is thought to be identified in several small pegmatite occurrence on the tenure.

The pegmatites occur as gently dipping sheets and as steeply dipping veins which are all elongate in a northerly direction, parallel to the regional foliation. They range in thickness from a few meters to as much as 30 meters and in some instances occur as multiple, parallel dykes or swarms separated by a few meters of sheared metasediments (Jacobson et al 2007).

The unweathered pegmatites as exposed in the Bald Hill South pit (historic Ta mining within M15/400, Haddington Resources) are composed of two zones, a quartz- spodumene-albite zone and a quartz-microcline-muscovite-albite zone. From inspection, cassiterite, columbite-tantalite are present as accessory minerals in the quartz- spodumene-albite zone. The zoning is so poorly defined that these pegmatites can be classified as un-zoned albite-spodumene pegmatites (Jacobson et al 2007).

Outcrops of exposed schist and pegmatites are restricted to limited areas; most of the tenement area is concealed by bluebush floodplain, sandplain and wash zones. Remnants of Eocene sediments also mask bedrock.

6. Previous Exploration

Multiple companies with different tenement coverage, partly or fully overlapping the surrendered blocks conducted– auger and air core programs including Anglo- American, Goldfields, Kingsgate, Heron, Quadrio Resources. Historic exploration was predominantly focused on gold.

A total of 48 Air Core holes were drilled and assayed for Gold with a small amount of samples also assayed for Ag, As, Co, Cr, Cu, Fe, Mo, Ni, Pb Sb, Ti, W, Zn and Zr.

Historic peak values by Quadrio reported based on the conducted air-core program on the tenure were:

Element	Au	Ag	Ars	Co	Cr	Cu	Fe	Mo	Ni	Pb	Sb	Ti	W	Zn	Zr
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Value	3.01	1.71	406.4	518.7	787	65	89800	15.6	295	81	1.13	5449	3427	192	593.9

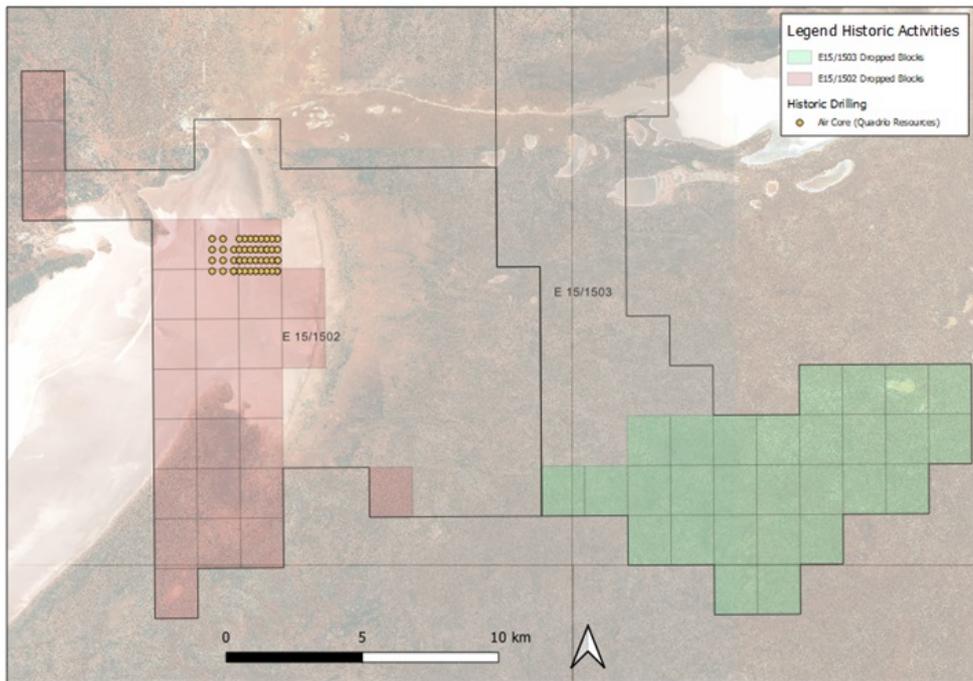


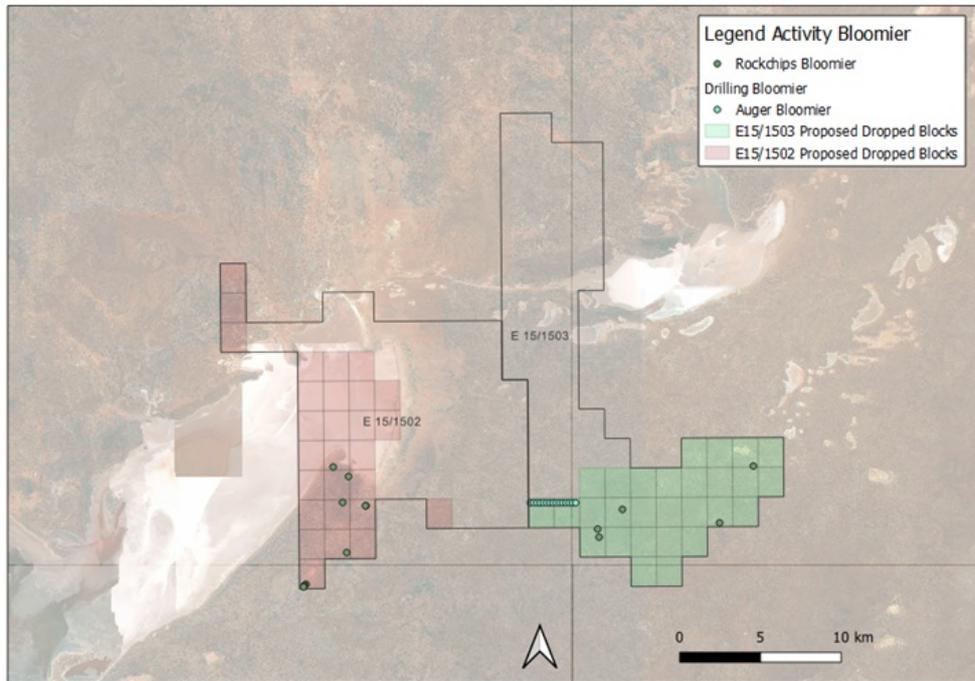
Figure 2: Relinquished blocks of E15/1502 and E15/1503 with historic drilling

7. Current Exploration Summary

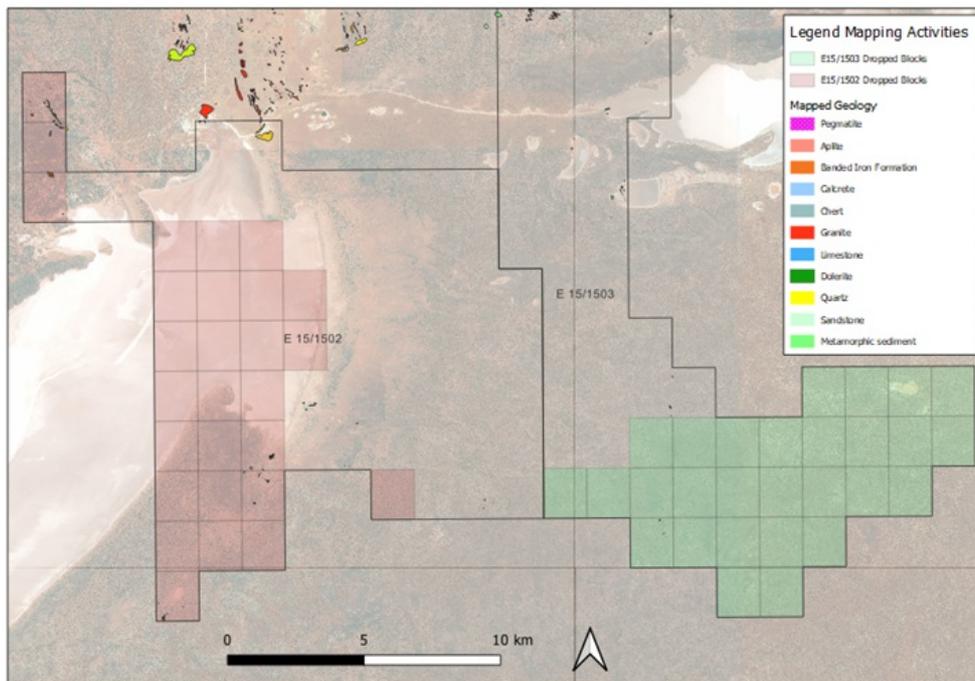
7.1 Surface Sampling

Between December 2019 and February 2022 Bloomier collected a total of 17 rock chip samples as part of mapping exercises. Location of the rock chip samples is displayed in the Figure below together with historic samples. For all samples collected Lithium oxide (Li₂O) and Tantalum oxide (Ta₂O₅) values of up to 130ppm and 83ppm were recorded respectively.

During the reporting period a number of mapping programs were conducted with the results detailed in the map below. It became evident that a large percentage of the surface was covered by alluvial and eluvial sediments with only very limited areas covered by outcropping rock.



Rock chip sampling, and Auger Drilling on the relinquished blocks of E15/1502 and E15/1503



Mapping conducted by Bloomier during the reporting period

7.2 Drilling

Auger drilling conducted on the relinquishment blocks on E15/1503 comprise fifteen Auger drill holes for a total of 78.5 m with the purpose of defining anomalies under cover were completed in August 2022. The samples were not submitted to date to the laboratory. For Locations, please refer to Figure 2.

8. Conclusion and Recommendations

Exploration during the recent reporting periods did not make significant progress towards the definition of a JORC compliant Mineral Resource being required to convert E15/1502 and E15/1503 into a mining tenement. Additionally, the tenure was required to be reduced, so the least prospective blocks were identified and surrendered.

9. References

(Černý 1991) is reference to Černý, P., 1991 – Rare-element granitic pegmatites Part 1: anatomy and internal evolution of pegmatite deposits: *Geoscience Canada*, V. 18:2, p 49-67

(Jacobson et al 2007) is reference to Jacobson, M. I., Calderwood M. A. and Grguric B. A., 2007 *Guidebook to Pegmatites of Western Australia* p299-308

10. Appendices

No Appendices as text are available