

## ASX Release

4<sup>th</sup> September 2024

### DART MINING ANTIMONY PROSPECTIVITY

**Dart Mining NL (ASX:DTM)** (“Dart Mining” or “the Company”) has completed a review of its Antimony prospectivity across its Victorian tenement holdings and wishes to highlight the Company’s key prospects, previous exploration, and its proposed Antimony related work programs.

#### ANNOUNCEMENT HIGHLIGHTS

- The Company’s Victorian tenements over the **Tallandoon Goldfields** in northeast Victoria have a strong association with Antimony, with several historic antimony mines, and recent sampling conducted.
  - Ellis Antimony project grab sample returned **6.48% Sb** ([ASX DTM July 2020](#))
  - The Carry On Mine, recorded production of 33.5t of antimony 1914- 1945 (Vicmine Report ID: 346747)
- The **Rushworth Gold** project is surrounded by significant antimony prospectivity and mining, with the Company’s tenements geologically placed to cover extensions of known deposits and historic antimony mine fields (Figure 2).
  - **Costerfield Gold/Antimony Mine** – 2023 Mineral Resources of **33.9kt of contained antimony**.
  - **Southern Cross Gold / Mawson** completed drilling at Whroo intersecting **0.2m @ 16.5% Sb** ([TSX: MAW February 2022](#)) in JV with Nagambie Mining, just 2km from the company’s tenement boundary.
  - **Redcastle Goldfield** – historic field of antimony and gold mining located immediately (less than 3km along strike) to the south of the company’s ELA008161 application (grant anticipated October 2024)
- **Nagambie Mining** tenements located to the East with Inferred resources of **17.8kt of contained antimony** ([ASX: NAG May 2024](#)) located 30km to the South East of the **Rushworth Gold** project)
- The Company is currently assessing systematic exploration of its Victorian tenements for Antimony including follow up reconnaissance fieldwork, surface sampling and drilling.

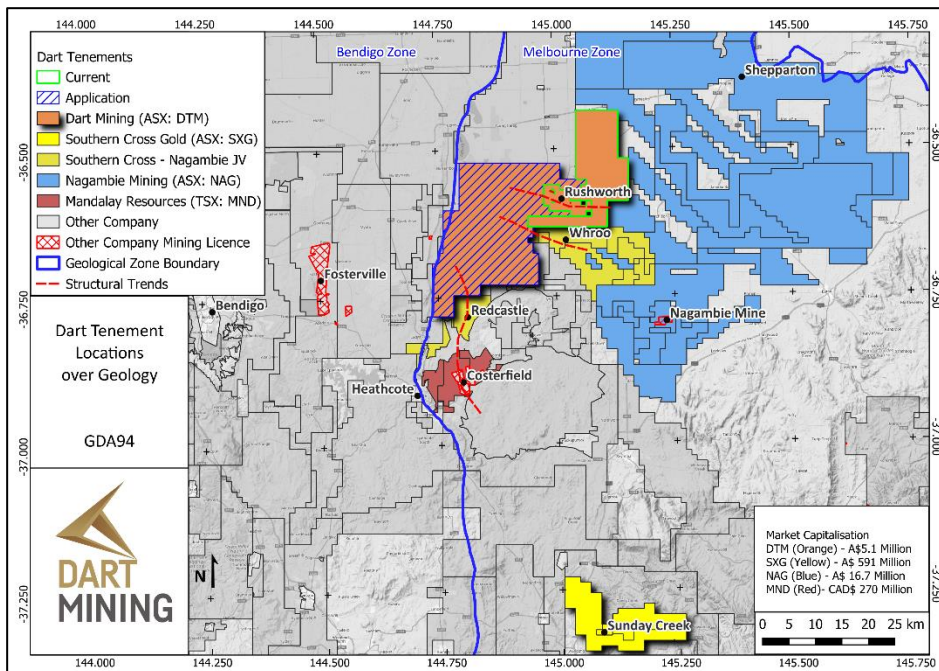


Figure 1: Dart Tenements with highlighted surrounding company's

For personal use only

**DTM's Chairman, James Chirnside, commented:** "There has been a very strong increase in antimony prices, driven by the recent Chinese export restrictions imposed on this strategic commodity. This has led the us to conduct a thorough review of previous exploration work for Antimony and highlights the prospectivity of our tenement holdings in Victoria.

The Company has long regarded Antimony as a valuable commodity, and its commitment to antimony exploration is well documented with the license application over the extension of the Whroo, Redcastle and Costerfield mineralised trends well advanced. Surface sampling conducted in 2020 and 2023 returned positive antimony results.

The Company is pleased to be the preferred applicant over the ELA covering the extensions of known workings and is eager to commence exploration for Antimony once the tenement is granted, which is expected in October 2024 pending Native Title process."

## ANTIMONY PROJECT DETAILS.

### CENTRAL VICTORIA – RUSHWORTH PROJECT AREA

The Melbourne Zone of Central Victoria has a long history of antimony production, with antimony being Victoria's second most important metallic commodity after gold. The region is host to several significant antimony deposits, most notably the Costerfield Mine owned by Mandalay Resources (TSX: MND) and Sunday Creek exploration project owned by Southern Cross Gold (ASX: SXG).

The Costerfield Mine has a reported 1,251kt resource with 33.9kt of contained Antimony in 2023, with production guidance of 1,100 to 1,500t of Antimony expected in 2024. (details available on MND company [Website](#)).

An emerging member of the Central Victorian Antimony projects is Nagambie Mining, who have recently reported a maiden resource including 17.8kt of contained antimony ([ASX: NAG May 2024](#)). Nagambie Mining hold tenements covering a large area to the East of the company's Rushworth project and have Joint Venture agreements in place with Southern Cross Gold over the Whroo and Redcastle gold and antimony fields.

Antimony in Central Victoria is associated with a mineralising event that occurred around 380 million years ago in the Devonian age and is focused on the boundary between the Bendigo and Melbourne Geological zones of Victoria. The event contributes largely to the mineralisation observed in the Melbourne zone, and into the eastern Bendigo Zone, and is associated with epizonal Au-Sb-As mineralisation at Costerfield, Fosterville and high grade, Stibnite rich veins at Southern Cross Gold's Sunday Creek deposit ([ASX: SXG Investor Presentation August 2024](#)).

The Company's Rushworth Gold project is located on the western boundary of the Melbourne Zone (Figure 2), with the company's tenement holding (including the ELA008161 application area) covering the strike extension of the Rushworth, Whroo and Redcastle Gold and Antimony mining fields.

The Whroo Goldfield located just 2km to the south of the Company's Rushworth tenements is currently held in Joint Venture between Nagambie Mining (ASX: NAG) and Southern Cross Gold/Mawsons (ASX: SXG) who completed a deep drill hole below the historic Balaclava Mine, one of the goldfields highest grade gold mines. The drilling intersected several zones of Antimony rich veining, with the highlight being, **0.2m @ 16.5% Sb** ([TSX: MAW February 2022](#)) at 359.6m downhole. The Whroo goldfield is oriented in an East-West direction and extends into the company's Exploration License Application ELA008161.

The Redcastle reefs are an extension of Costerfield some 10km along strike to the north. "About 6 miles northerly from Costerfield and bearing as nearly as possible in the same line from the latter as the strike of the antimony reefs, are the Redcastle Reefs." from R. Brough Smyth, (1869), *The Goldfields and Mineral Districts of Victoria*. The Pioneer Reef within the Redcastle field has reported production of 525 tons of Quartz containing 33.5 tons of Antimony (approximately 6.3% antimony). The Redcastle reefs strike roughly North-South conforming to the orientation of the major Moorambool Fault to the West, with the projected strike extension entering the company's ELA008161.

#### **NORTHEAST VICTORIA – SANDY CREEK AND TALLANDOON PROJECT AREAS**

The Sandy Creek and Tallandoon Goldfields are historically known for historical production of exceptionally high grade gold. The region located 60km south of Albury-Wodonga in Northeast Victoria has been explored by the company since 2016. The region, approximately 26km x 5km, has been historically explored for high grade gold, however the Tallandoon field also shows a number of historic antimony mines, with the Carry On Mine reporting a historic production of 33.5t of antimony during 1914 – 1945 (Vicmine Report ID: 346747).

The company's geologists undertook reconnaissance mapping and sampling across both the Sandy Creek and Tallandoon goldfields in 2020, with rock chip samples from the Ellis Antimony mine in the Tallandoon field returning a grab sample up to **6.48% Sb** and a chip sample of 0.2m @ 122g/t Au ([ASX DTM July 2020](#)). Preliminary examination concluded that mineralisation in the Tallandoon field is dominantly associated with quartz reefs, with abundant Arsenopyrite, Sphalerite, common Galena and occasionally massive Stibnite (antimony bearing mineral).

#### **WORK PROGRAM – NEXT STEPS**

The company is currently assessing the Tallandoon region for follow-up reconnaissance field work following the renewed interest in Antimony. Regional Mapping, confirmation rock chip sampling and targeted reconnaissance work, will begin in October.

Upon the granting of ELA008161, currently in Native Title process, the company intends to commence exploration to the north of the Redcastle Gold/Antimony Field, with field reconnaissance and sampling, to understand the surface outcrop on the southern margin of the tenement, with shallow roadside air core drilling to test basement geochemistry under cover further north.

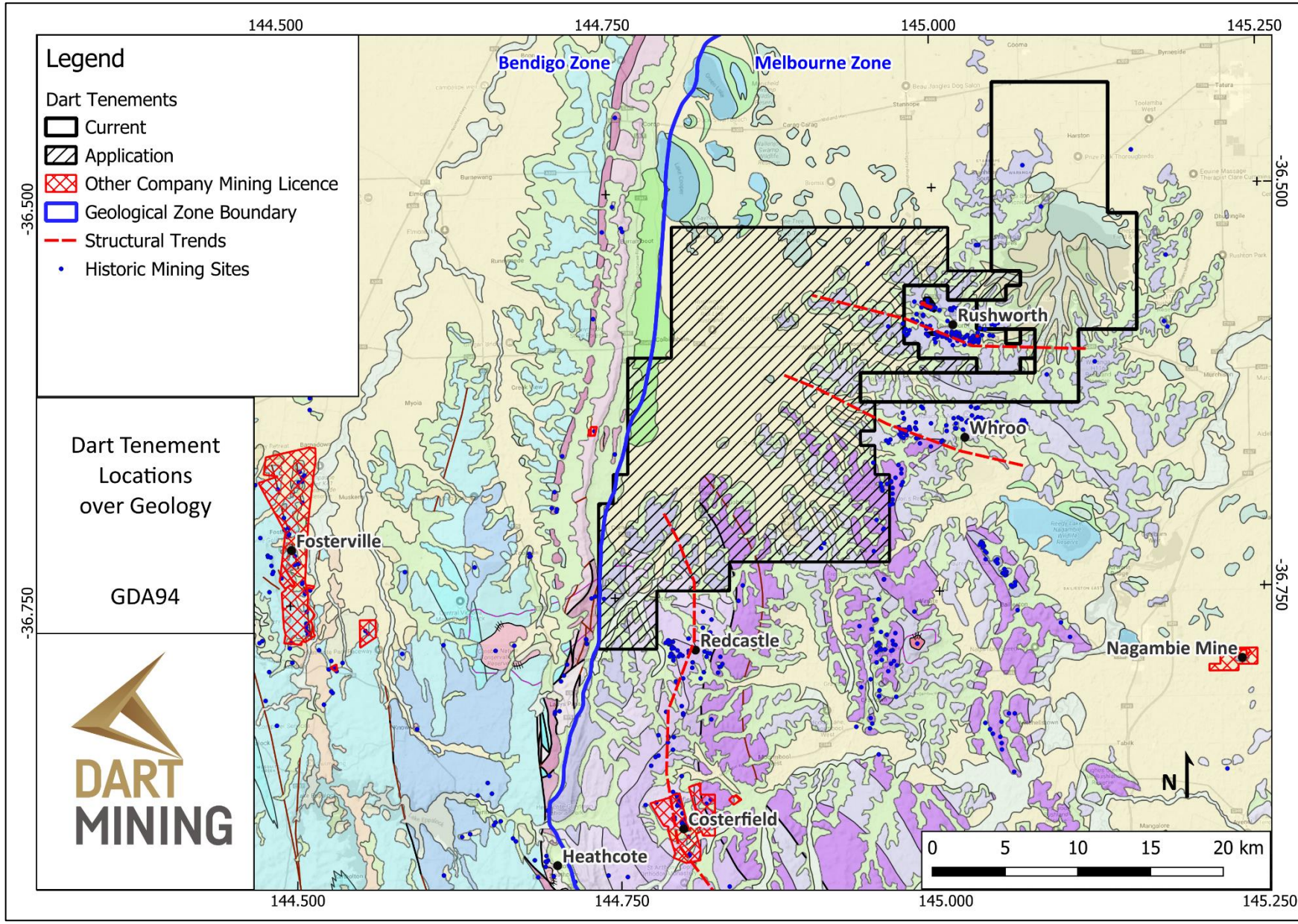


Figure 2: Tenement Summary highlighting Antimony Prospectivity

Approved for release by the Board of Directors.

For more information contact:

**James Chirnside**

*Managing Director*

Dart Mining NL

[jchirnside@dartmining.com.au](mailto:jchirnside@dartmining.com.au)

+61 447 447 613

**Aimee Coates**

*Investor Relations*

Dart Mining NL

[acoates@dartmining.com.au](mailto:acoates@dartmining.com.au)

**About Dart Mining**

*In August 2024 Dart Mining (ASX:DTM) entered into a binding agreement to purchase the Triumph Gold Project, this is Dart's first step into an advanced intrusion related gold system project in Queensland. Dart will look to develop a regional presence in Queensland through advanced stage intrusion related and epithermal gold projects. Dart Mining will continue to evaluate several historic goldfields in Central and Northeast Victoria including the Rushworth Goldfield and the new porphyry and lithium province in Northeast Victoria identified by Dart. The area is prospective for precious, base, and strategic metals including Lithium, Gold, Antimony, Silver, Copper, Molybdenum, Zinc and Tin. Dart Mining has built a strategically placed gold exploration footprint in the Central and Northeast regions of Victoria, where historic surface and alluvial gold mining indicates the existence of potentially significant gold endowment.*

**Competent Person's Statement**

*The information in this report has been prepared, compiled, and verified by Mr. Owen Greenberger (B.Sc. Geology), a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr. Greenberger is Head of Exploration for Dart Mining. Mr. Greenberger has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity being undertaken to qualify as a competent person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Greenberger consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

**Forward-Looking Statement**

*Certain statements contained in this document constitute forward-looking statements. Forward-looking statements include, but are not limited to, Dart Mining's current expectations, estimates and projections about the industry in which Dart Mining operates, and beliefs and assumptions regarding Dart Mining's future performance. Such forward-looking statements are based on a number of estimates and assumptions made by the Company and its consultants in light of experience, current conditions and expectations of future developments which the Company believes are appropriate in the current circumstances. When used in this document, words such as; "anticipate", "could", "intends", "estimate", "potential", "plan", "seeks", "may", "should", and similar expressions are forward-looking statements. Although Dart Mining believes that its expectations presented in these forward-looking statements are reasonable, such statements are subject to known and unknown risks, uncertainties and other factors, which may cause the actual results, achievements and performance of the Company to be materially different from the future results and achievements expressed or implied by such forward-looking statements. Investors are cautioned that forward-looking information is no guarantee of future performance and accordingly, investors are cautioned not to place undue reliance on these forward-looking statements.*

## APPENDIX 1

### TENEMENT STATUS

All tenement applications continue to pass through the approvals process with the tenements remaining in good standing as of the 31<sup>st</sup> August 2024 (Table 1 – Figure 3 ).

**Table 1. TENEMENT STATUS**

Tenement Number	Name	Tenement Type	Area (km <sup>2</sup> ) Unless specified	Interest	Location
EL5315	Mitta Mitta <sup>4&amp;5</sup>	Exploration Licence	148	100%	NE Victoria
EL006016	Rushworth <sup>4</sup>	Exploration Licence	32	100%	Central Victoria
EL006277	Empress <sup>5</sup>	Exploration Licence	87	100%	NE Victoria
EL006300	Eskdale <sup>3&amp;5</sup>	Exploration Licence	96	100%	NE Victoria
EL006486	Mt Creek <sup>5</sup>	Exploration Licence	116	100%	NE Victoria
EL006764	Cravensville	Exploration Licence	170	100%	NE Victoria
EL006861	Buckland	Exploration Licence	414	100%	NE Victoria
EL007007	Union	Exploration Licence	3	100%	Central Victoria
EL006994	Wangara	Exploration Licence	190	100%	Central Victoria
EL007008	Buckland West	Exploration Licence	344	100%	NE Victoria
EL007099	Sandy Creek <sup>5</sup>	Exploration Licence	437	100%	NE Victoria
EL006865	Dart	Exploration Licence)	567	100%	NE Victoria
EL006866	Cudgewa	Exploration Licence	508	100%	NE Victoria
EL007170	Berringama	Exploration Licence	27	100%	NE Victoria
EL007430	Buchan	<i>EL (Application)</i>	546	100%	Gippsland
EL007435	Goonerah	<i>EL (Application)</i>	587	100%	Gippsland
EL008161	Colbinannin	<i>EL (Application)</i>	458	100%	Central Victoria
EL008542	Star of the West	<i>EL (Application)</i>	2	100%	Central Victoria
EL007425	Deddick	Exploration Licence	341	100%	Gippsland
EL007428	Boebuck	Exploration Licence	355	100%	NE Victoria
EL007426	Walwa	Exploration Licence	499	100%	NE Victoria
EL007754	Tallandoon <sup>5</sup>	Exploration Licence	88	100%	NE Victoria
RL006615	Fairley's <sup>2</sup>	Retention License	340 Ha	100%	NE Victoria
RL006616	Unicorn <sup>1&amp;2</sup>	Retention License	23,243 Ha	100%	NE Victoria
EL9476	Woomargama	Exploration Licence	85	100%	New South Wales
EL9516	Brewarrina	Exploration Licence	185	100%	New South Wales

#### All tenements remain in good standing as of 31 August 2024.

**NOTE 1:** Unicorn Project area subject to a 2% NSR Royalty Agreement with Osisko Gold Royalties Ltd dated 29 April 2013.

**NOTE 2:** Areas subject to a 1.5% Founders NSR Royalty Agreement.

**NOTE 3:** Areas are subject to a 1.0% NSR Royalty Agreement with Minvest Corporation Pty Ltd (See DTM ASX Release 1 June 2016).

**NOTE 4:** Areas are subject to a 0.75% Net Smelter Royalty on gold production, payable to Bruce William McLennan.

**NOTE 5:** Tenements subject to conditions noted in the SQM earn-in agreement ([Dart Mining ASX December 2022 SQM Earn-In](#))

For personal use only

For personal use only

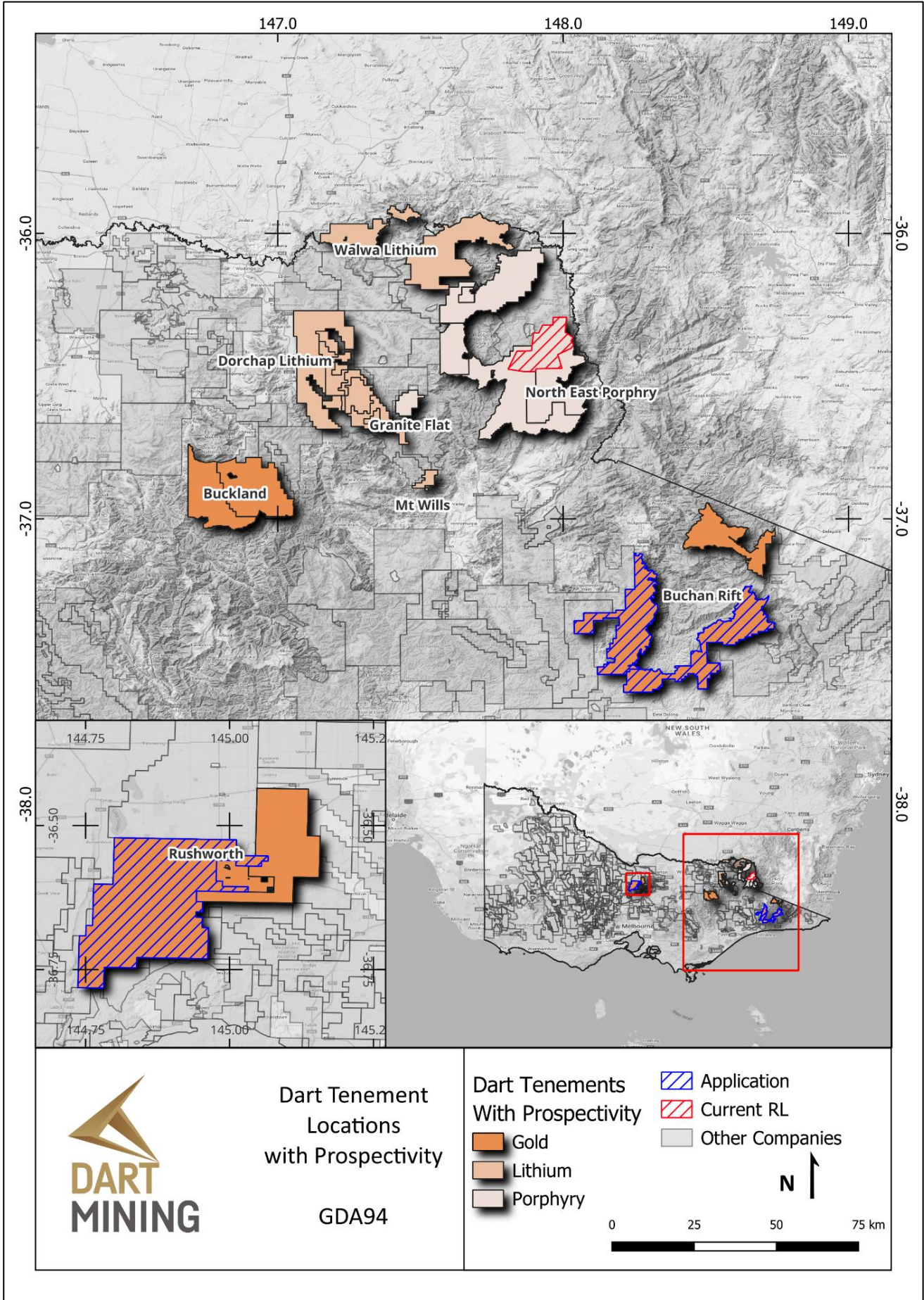


Figure 3: Dart Mining NL Tenements