# DART MINING

Exploring and Developing Mineral Riches in the Prolific Lachlan Fold Belt of Victoria and New South Wales

**Gold Coast Investment Showcase 2023** 

Thursday 22<sup>nd</sup> June 2023 09:15 AEST

Mr. James Chirnside – Chairman & Managing Director

# **FORWARD LOOKING STATEMENTS CAUTION**

Certain statements contained in this document constitute forward looking statements. 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. These estimates and assumptions while considered reasonable by the Company 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.



# **CORPORATE PROFILE**

ASX Code	DTM
Shares on issue	~172m
Options & Performance	~28m
Market Capitalisation @ \$0.06	~A\$10m

#### **Key Personnel & Management**

- Mr. James Chirnside Chairman, Managing Director
- Mr. Dean Turnbull– Non-Executive Director, Founder, Geologist
- Mr. Richard Udovenya Non-Executive Director, Lawyer
- Mr. Owen Greenberger Manager Exploration, Geologist
- Mr. Tommy Ashley Manager Operations
- Mr. Simon Smith Manager Drilling
- Ms. Aimee Coates Manager Business
- Ms. Julie Edwards Co. Secretary, Accounting

#### **Key Service Providers**



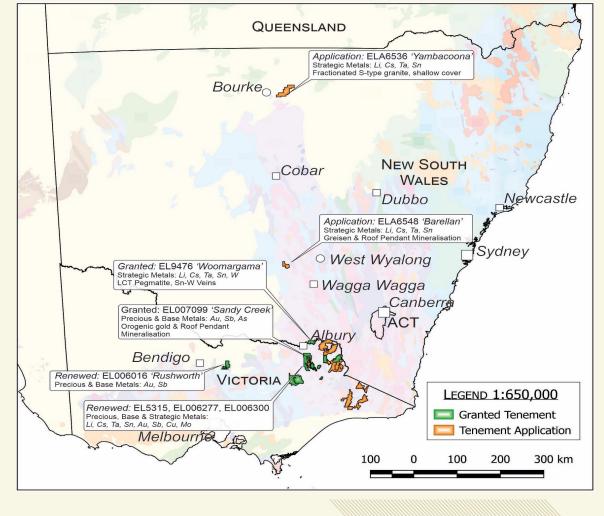
# ResourcesLaw international





# **EXPLORATION FOOTPRINT**

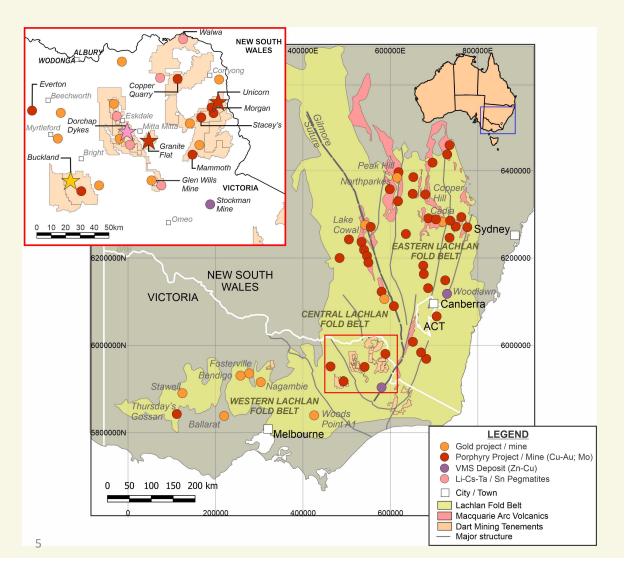
- ~6,500 km<sup>2</sup> tenement area
- Footprint includes:
  - 9 Historic Goldfields
  - >1,000 LCT Pegmatite dykes
  - 8 Au-Cu, Mo-Cu Porphyry targets
- Geographic focus on NE Victoria, Eastern Victoria and NSW (Lachlan Fold Belt)
- Extensive team experience in Lachlan Fold Belt Geology
- Central Lachlan Fold Belt
  - Silurian to Devonian granites
  - Three Orogenic events
- Diverse geological setting
  - Orogenic Au
  - Porphyry (Bulk tonnage) Cu-Au, Mo-Cu-Ag
  - Li-Cs-Ta Pegmatites
- Commodity exposures to Precious, Base and Critical minerals
- Dart's exploration footprint contains 14 <u>anomalous critical</u> <u>minerals</u> out of 32 on the Australian Government's defined list of critical minerals





# **REGIONAL GEOLOGICAL SETTING**

- The Lachlan Fold Belt and associated Macquarie Arc rocks host a significant proportion of mineralisation in Eastern Australia
- Geology is the fundamental precursor for any mineral exploration
- The geological setting of Northeast Victoria and Southern NSW is diverse, dynamic, and underexplored
- Dart Mining has a strong foothold in the central Lachlan Fold Belt, with several mineral systems identified





# **WORK SCHEDULE 2023**

# **Flagship Projects**

## Dorchap Lithium Li

- Surface sampling program
- 3000m SQM Funded DD program

## Granite Flat Cu-Au

- Drilling bulk tonnage target
- Drilling high-grade targets
- Geophysics interpretation & review

### Mt Unicorn Mo, Cu, Ag

- Metallurgical review of historic drill testing pulps
- Further diamond drilling program

# **Other Projects**

### Rushworth Au

- LiDAR acquisition
- Bulk sample composition & analysis
- Completion of soil survey
- Identification of drill targets

## Sandy Creek Au

• Diamond drilling of selected deeper targets

### **Buckland Valley Au**

• Diamond drilling north of Fairley's ridge

# Dart has ~10,000m of exploration drill testing planned for 2023 across several projects



# **BUSINESS DEVELOPMENT & BUSINESS OPERATING MODEL**

#### **Business Development**

- Dart continues to actively seek Farm-in Joint venture partnerships on many of it's Au, Ag, Cu, W, Sn projects
- SQM's Farm-in Joint venture terms have established a benchmark against which other deals can be negotiated
- Dart's Bulk-tonnage projects including Porphyry deposits and other intrusive related deposits require large exploration expenditures, and therefore partners with deep pockets
- As mining majors become more focussed on building out their exploration, and future production pipelines Dart is well positioned to offer compelling prospectivity

# **Business Operating Model**

- Dart has invested in equipment and personnel that allows for self reliance, efficiency, and low cost exploration programs
- Farm-in Joint Venture arrangements like Dart's recent deal with SQM have redefined the company
- Dart has become less reliant on shareholder funding
- Dart is more accurately defined, as a "project generator" and "exploration contractor"
- This reshaping of the business allows the company to sink more dollars into drilling and other exploration activities



# **BOONS PEGMATITE DYKE - DORCHAP LI PROJECT**





# SOCIEDAD QUÍMICA Y MINERA DE CHILE S.A. - SQM Earn-in Joint Venture

# **▲** SQM Profile

- Largest Lithium producer and refiner in the world
- 50/50 Joint Venture with Wesfarmers (Covelant Lithium)
- Established 1968
- Headquartered Santiago, Chile
- NYSE Code NYSE:SQM
- US\$ 27bln Market Capitalisation
- Revenues of US\$2.86bln
- Customers in 110 countries
- Chilean chemical company producing industrial and agricultural chemicals
- Employs ~6,000 people worldwide through 20 international offices

# Carlos Díaz SQM Executive VP for Lithium said:

"We are looking forward to this new endeavour with Dart to find and potentially develop the first lithium project in Victoria. We believe that the combination of both partners' strengths and expertise will factor in the success of this partnership".



# **DORCHAP LITHIUM PROJECT - Summary**

#### Location

- Situated in the Dorchap Range, between Eskdale & Glen Wills
- Historic tin mining district

#### Style

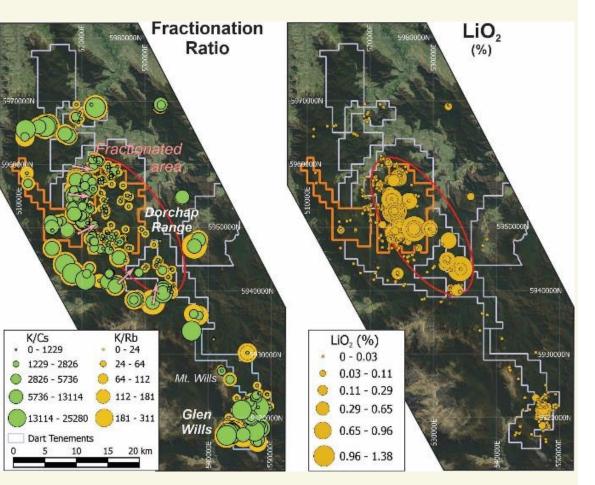
- Pegmatite hosted Lithium-Caesium-Tantalum (LCT) mineralisation
- Spodumene & Petalite mineralisation, with localised lepidolite & amblygonite
- Exposure is often poor or obscured by heavy vegetation

#### Scale

- 20x12km zone of highly-fractionated pegmatites identified from surface sampling
- >1,000 LCT pegmatite dykes across the dyke swarm
- Multiple Li mineralised pegmatite dykes identified, with Li hosted primarily by spodumene

#### **Results Highlights**

- 10m @ 1.38% Li<sub>2</sub>O (rockchip sampling)
- 10m @ 1.22% Li<sub>2</sub>O (rockchip sampling)
- 10m @ 0.95% Li<sub>2</sub>O & 20m @ 0.33% Li<sub>2</sub>O (Eagle Dyke, channel sampling)
- 16m @ 0.32% Li<sub>2</sub>O, (Bluejacket Dyke, rock-chip sampling)
- 20m @ 0.332% Li<sub>2</sub>O from 2m, *including* 2m @ 1.16% Li<sub>2</sub>O (drilling)



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# **GRANITE FLAT Cu-Au PROJECT-** Summary

#### Location

- Situated adjacent to the Omeo Highway, between Mitta Mitta & Glen Wills Scale
- 1.8x 2.4km soil Cu-Au footprint, additional anomalies open in all directions
- Significant remanent magnetism anomalies identified north of project footprint •
- IP chargeability and resistivity anomalies identified across 1.5 × 2.0km footprint •
- Significant intervals of Cu-Au mineralisation intersected up to 180m below surface •

#### **Style**

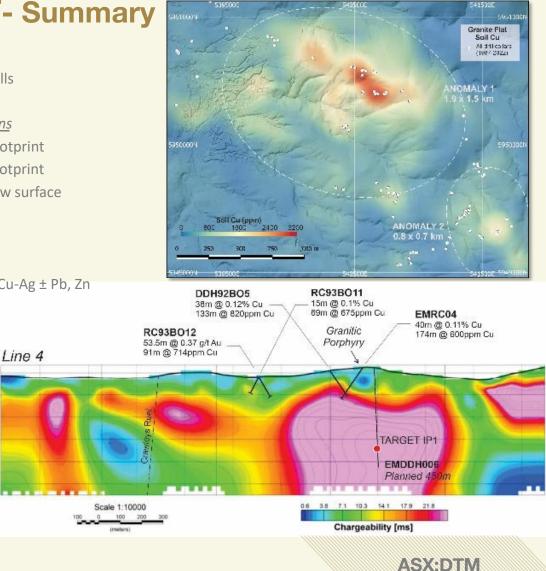
- Two mineralisation styles identified:
- Intrusion-related Cu-Au long intervals of low-grade Cu-Au •
- Hydrothermal overprint Narrow silica-sulphide veins of high-grade Au-Cu-Ag ± Pb, Zn **Results Highlights**

#### Gold

- 19m @ 9.39 g/t Au, including 3m @ 41.1 g/t from 28m
- 4m @3.23 g/t Au, including 1m @ 7.84 g/t from 15m

#### Copper

- 19m @ 0.61% Cu, including 3m @ 1.52%
- 28m @ 0.35% Cu, including 9m @ 0.73% from 7m
- 40m @ 0.11% Cu including 19m @ 0.18% Cu from 35m •
- 138m @ 0.09% Cu from surface (entire hole)
- 111m @ 0.07% Cu from surface





500

400

200

100

chargeability 300

# **CONSTRUCTIVE TAILWINDS ON CRITICAL, PRECIOUS, & BASE METALS**

- Critical minerals are well positioned with supportive fundamentals including accelerating demand driven by global decarbonisation and electrification
- Au, Ag have rallied strongly in 2023 against a backdrop of Geopolitical, Inflationary, and Economic uncertainty
- The Base metals complex is experiencing exponential demand and at the same time supply constraints

Factors including the Ukraine war, metals supply constraints, and transition to metals intensive, low carbon output, are very supportive for metal prices in the medium and long-term



# **OPERATIONAL IMAGES**



















DART MINING











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