

# HIGH GRADE ANTIMONY STRATEGY TO MEET GROWING GLOBAL CRITICAL METALS DEMAND

10 March 2025



**ASX: RML** 

resolutionminerals.com

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This announcement has been approved for release by the board of the Company.

RML confirms that this announcement the Company is not aware of any new information or data cross referenced in this announcement from "High Grade Antimony and Antimony-Gold Portfolio Acquired" as released on 10 March 2025. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original announcement.

1. Reserves and Resources | Newmont Corporation – Operations & Projects, 2. Evolution., 2023, https://evolutionmining.com.au/reservesresources/, 3. Regis Resources 2023., Annual Mineral Resource and Ore Reserve Statement 8 June 2023, 4. Alkane 2023., ASX Announcement, Boda Resource Update Increases Gold and Copper Grades, 14 December 2023, 5. https://argentminerals.com.au/projects/nsw-kempfield-project/. 6. WTM.ASX Investor Presentation 4 February 2025.

### **About RML**

- RML is an Australian critical metals explorer via new acquisitions in NSW and QLD.
- RML is establishing itself as a leading antimony, gold and copper-focused explorer. This strategic expansion positions the company to address the increasing global demand for these vital resources.
- Focused on
  - Neardie Antimony Project (QLD)
  - Drake East Antimony-Gold Project (New England Fold Belt, NSW)
  - Spur South Gold-Copper Project (Lachlan Fold Belt, NSW)



### **RML**

**ASX Ticker** 

298.2m

Shares on issue (7/03/25)

\$3m

Market Cap at 1¢ (7/03/25)

67.7%

Held by Top 20

32.4%

Held by Board & Management

## **Antimony Price @ Record High**

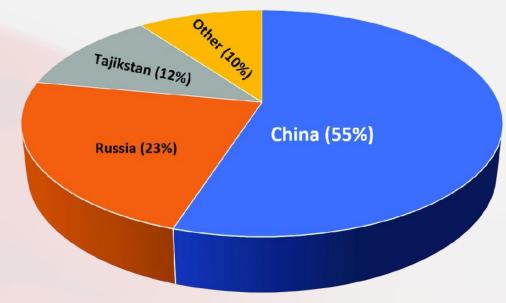


### **Antimony Global Outlook – A Perfect Storm**

RAPID DEMAND GROWTH MAJOR SUPPLY CUTS

RAREST CRITICAL METAL

- China controls over 50% of the world's antimony supply
- In Dec 2024 China imposed export controls on antimony ore and metal oxides, leading to a further price surge to record levels



### **Antimony Global Outlook – A Perfect Storm**

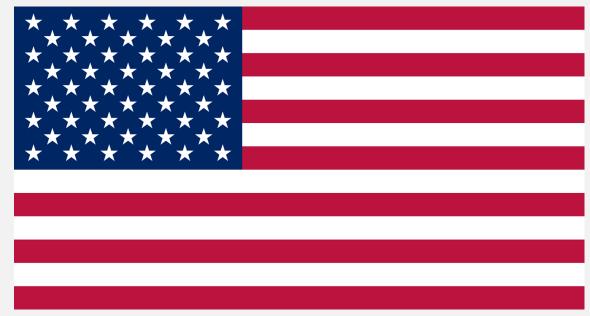
- It is estimated that China's actions have reduced antimony supply to the West by approximately 30%
- Supply concentration risk is very high
- Price volatility expected to continue
- Highlights antimony's strategic importance
- Strategic global stockpiles of antimony across Russia, US, NATO, Israel are quickly being depleted, leading to continued supply constraints

### **Antimony Uses**

- Classified as a Critical Mineral by key global economies UK, EU, USA, Australia, Japan.
- Considered a Critical, Strategic and Industrial metal due to its wide range of applications.
- Antimony is used in the production of semiconductors, batteries, solar panels, ammunition and artillery shells, high-end military hardware such as night-vision goggles, flame retardants, cables.

### **US Critical Mineral Policy**

- The critical mineral issue is one of America's most pressing national security challenges.
- For countless military and commercial applications, America is overly reliant on China and others for minerals.
- US President Trump has issued executive orders to review policy and spur domestic action to strengthen USA's supply of critical metals, including declaring critical metals supply a national emergency.



Trump's recent actions abroad (Ukraine) indicate recognition that USA will work with its allies such as Australia to secure its critical mineral supply.





## THE RIGHT COMMODITIES

Antimony Gold Copper



## THE RIGHT LOCATION

Surrounded by majors and major exploration successes

NSW an emerging hotspot



### NEWSFLOW READY

Target areas identified for exciting newsflow potential



## **NSW Project Locations**



## 2 Projects in NSW

### 163 km<sup>2</sup> total area

#### **Spur South Gold-Copper:**

Macquarie Arc

ELA 6784 37.6 km<sup>2</sup>

ELA 6785 8.6 km<sup>2</sup>

### **Drake East Antimony-Gold:**

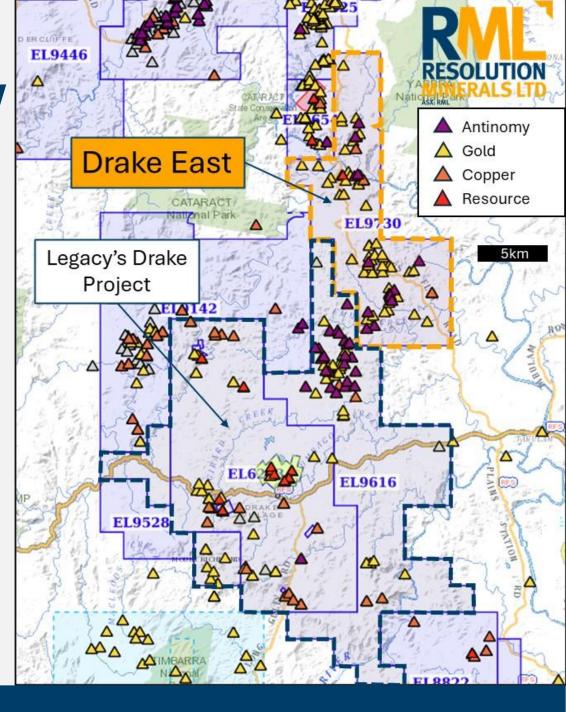
New England Belt

ELA 6784 37.6 km<sup>2</sup>

ELA 6785 8.6 km<sup>2</sup>

## **Drake East**Antimony-Copper-Gold Project, NSW

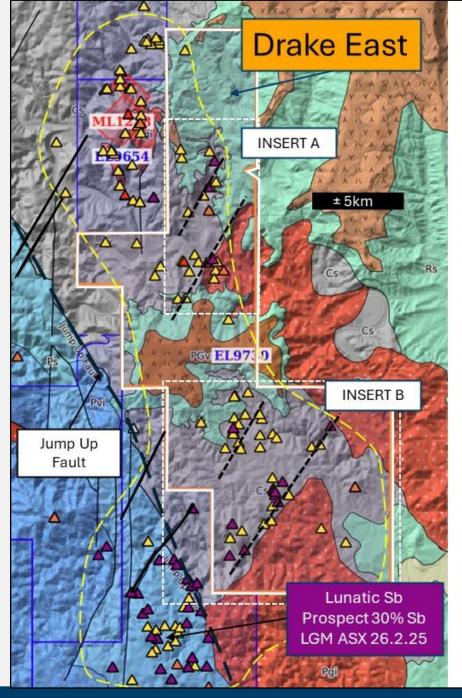
- Immediately adjacent to the Legacy Minerals (ASX: LGM) Drake Gold-Copper Project where they are developing a large epithermal gold-copper mineralised system.
- Legacy project area also hosts 24 antimony occurrences which are concentrated close to the western boundary of Drake East.
- Recent Legacy rock chip results (ASX announcement 26 February 2025) include 30% Sb and 0.38g/t Au (Sample 9979) from LGM's Lunatic Prospect, which is 2.2km from Drake East.

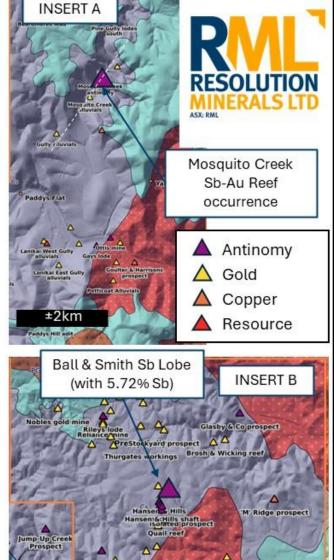


### **Drake East, NSW**

Hosts 14 known antimony occurrences, including the well-documented Mosquito Creek Antimony-Gold Reef, and the Ball & Smiths Lode.

- Gold samples up to 60.9 g/t Au
- Historic gold mined 100t @ 32.6 g/t Au at Bucklands Reef
- Silver samples to 214 g/t Ag
- Antimony samples to 5.72% Sb

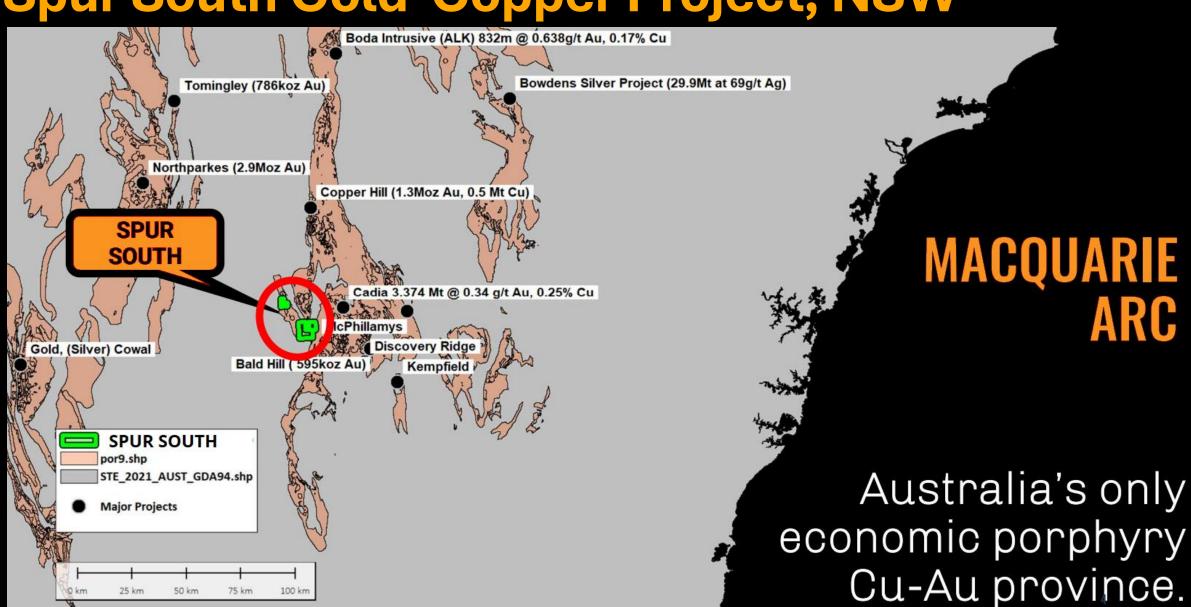




### **Drake East, NSW**

- On a regional perspective, the Drake East Project is well placed.
- **Antimony is commonly found in the region in association with gold** in epizonal orogenic systems.
- Many historical goldfields in northeast NSW are known to host high-grade antimony mineralisation, including Larvotto Resources' (ASX: LRV) Hillgrove Mine and Trigg's (ASX: TGM) Wild Cattle Creek deposit.
- Hillgrove is one of the ten largest antimony resources globally and Australia's largest antimony deposit.
- As well developing the antimony potential of the Drake East Project, the Company will also pursue the gold (silver and copper) potential.
- Timited systematic and modern exploration at Drake East represents significant opportunity for RML.
- RML plans to initiate systematic exploration programs, including geophysical surveys, geochemical sampling, and drilling campaigns, to evaluate the mineral potential of these projects.

## Spur South Gold-Copper Project, NSW



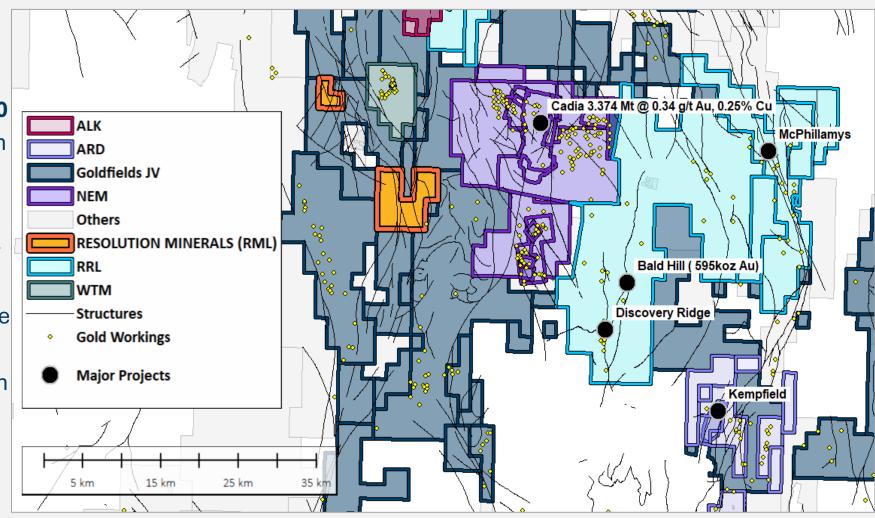
### Spur South - surrounded by success

- Macquarie Arc Metal Belt is home to 25 known gold-copper porphyry systems
- Hosts 6 world-class gold-copper mines, 17 significant porphyry deposits and 2 mines in Feasibility Study stage
- Spur South extremely well situated within the Lachlan Fold Belt. Closely surrounded by major deposits and prospective exploration projects that have shown recent discovery success, such as:
  - Cadia: >50Moz Au & 9.5Mt Cu (Newmont)
  - Cowal: >11Moz Au (Evolution: EVL)
  - McPhillamy's: 2.3Moz (Regis Resources: RRL)
  - Discovery Ridge & Bald Hill: (Regis Resources: RRL)
  - Boda: 7.3Moz Au (Alkane: ALK)
  - Kempfield: 65.8 Moz Silver, 125k oz Gold (Argent: ARD)
  - Spur: 108m @ 0.55% Cu (Waratah: WTM)

### Spur South - surrounded by success

\$1.6 billion in mining M&A and \$300 million in JV activity has occurred in this region since 2023 by majors including Newmont, Goldfields, AngloGold, Evolution and Fortescue.

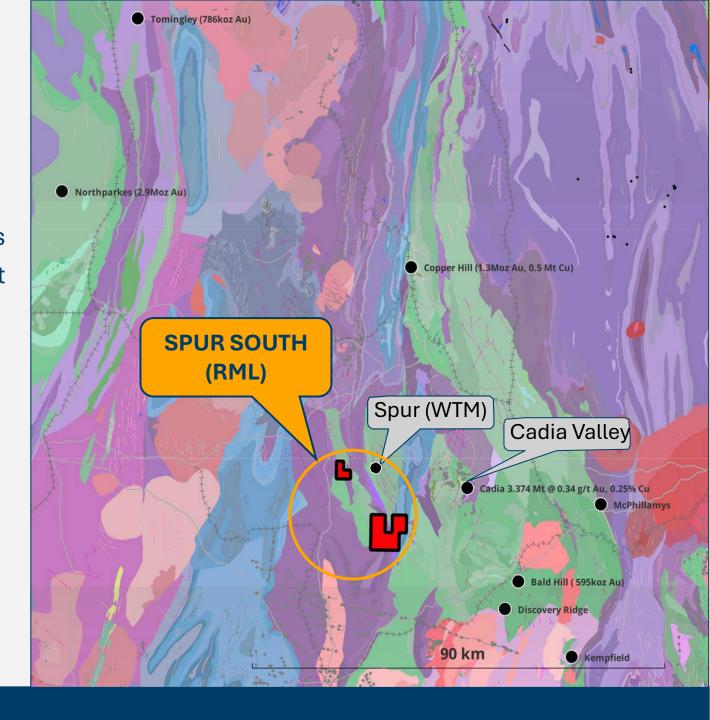
**Excellent infrastructure** exists in the region, including sealed roads, rail lines, airports, power and exploration support networks.



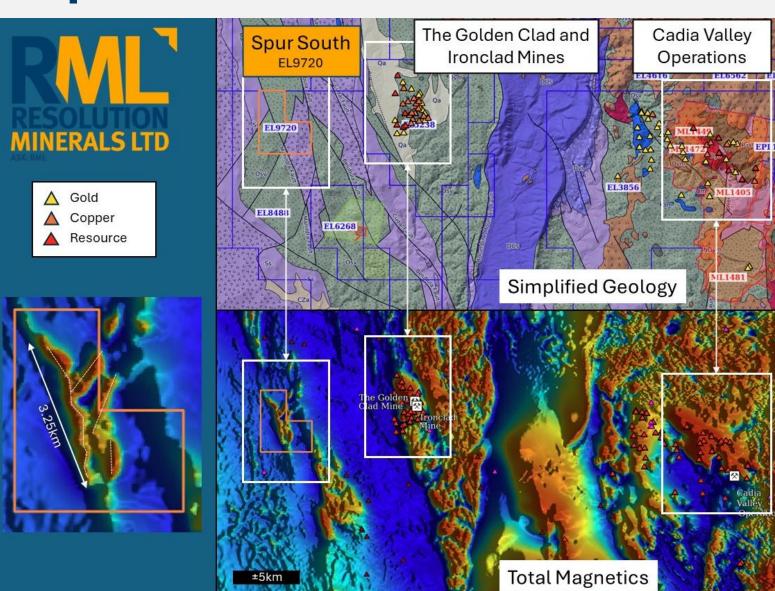
### **Spur South**

### Strategically positioned:

- ~ 15km south-west from Newcrest Mining's Cadia Valley Operations (>50Moz Au, 9.5Mt Cu, Measured and Indicated Mineral Resources, Newcrest)
- ~ 5 km west of Waratah Mineral's (ASX: WTM) Spur Project (108m @ .55% Cu)
- ~ 7km west of the Golden Clad/Ironclad Mines



### Spur South EL9720

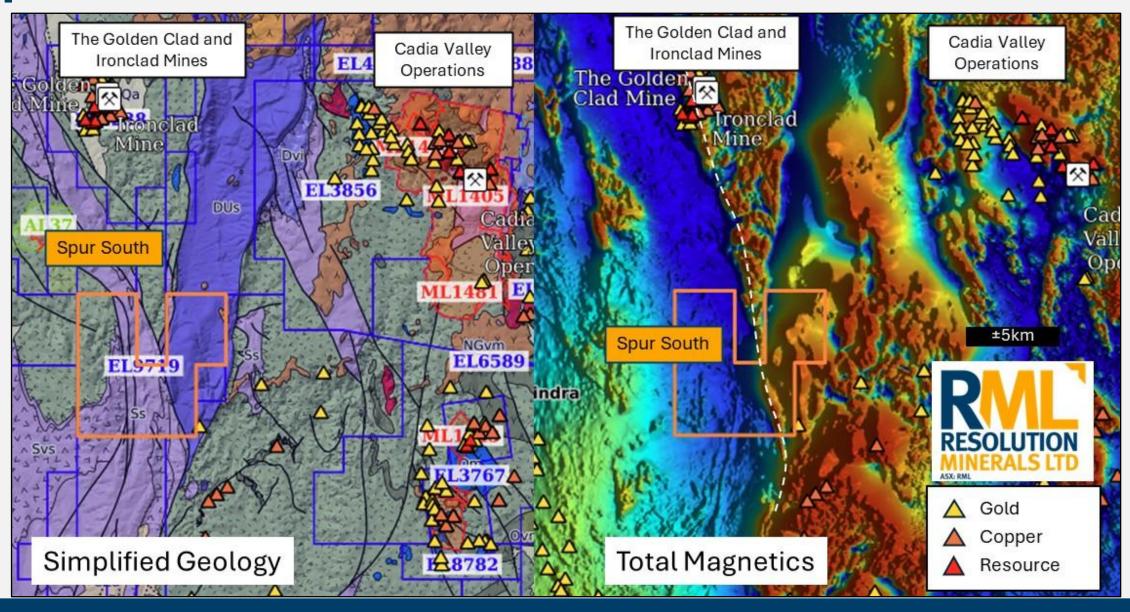


The NW-SE to NNW-SSE orientated Manildra and Belubula faults traverse the project area, which are of tremendous interest at Spur South.

The Cadia Valley Operation and Golden Clad/Ironclad gold and copper deposits coincide with total magnetic highs.

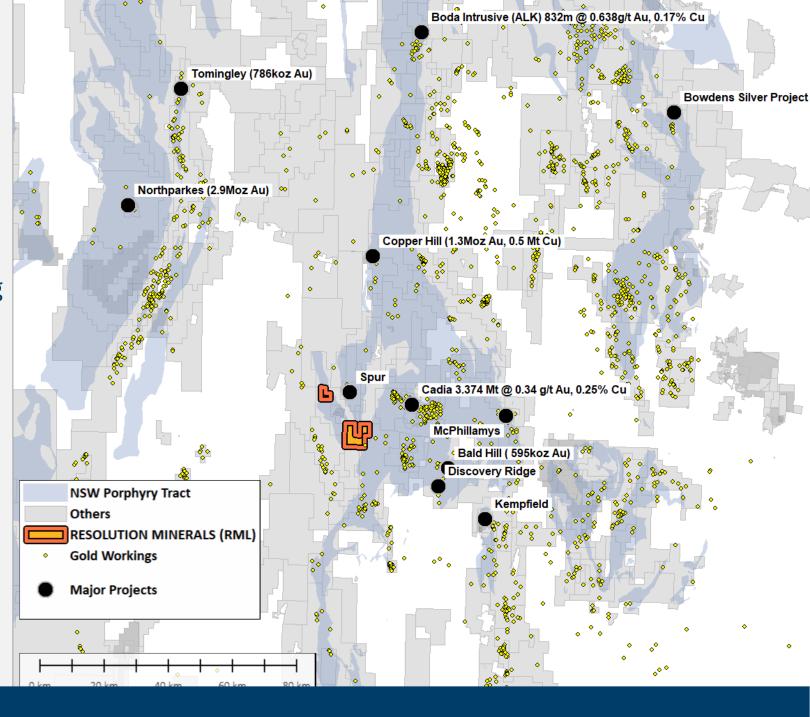
In addition to its compelling nearology that validates the regional exploration strategy, the individual EL areas host very significant exist geophysical targets.

### Spur South EL9719



## **Spur South**

- The Spur South tenements remain significantly underexplored despite being surrounded by majors.
- There has been no exploration drilling on the tenements.
- Magnetics on the tenements highlight 4km+ strike potential and target zone for exploration.
- No vacant ground in the belt



### **Neardie Antimony Project, QLD**

- The Company's second antimony-focused project is the Neardie Antimony Project, located approximately 20km north-northeast of Gympie, in QLD.
- It hosts the historic Neardie stibnite mines, which have been a significant producer of high-grade antimony ore, with intermittent operations since the 1890s.
- Underground rock chip sampling at the Neardie Antimony Mine in 1971 yielded results up to 19.5% Sb
- It is RML's opinion that **significant extensions of high-grade antimony are possible**, not only **along strike and at depth**, but **in parallel systems**, as was concluded in 1974 "the prospects of finding additional ore shoots in parallel and faulted lodes are favourable" J. Siemon 1974).

### **Neardie Antimony Project, QLD**

Carpentaria Exploration Co. Ltd CR55606			
Assay No.	Location	Sample type/Width	% Sb
*112/88	115' level North Drive	stope fill	8.3%
*113/88	176' level South Drive	stope fill	1.6%
*398/89	254' level South/Stopes	16' back	5.0%
*400/89	254' level South/Stopes	16' back	14.6%
*521/89	485' level mud 8'	Black bottom layer	1.9%
*522/89	485' level	Orange middle layer	10.2%
*523/89	485' level	Brown top layer	7.0%
Government Chemical Laboratory			
+C1	115' level	Channel 2'	19.0%
+C2	115' level	Channel 4'	2.1%
+C3	115' level	Channel 1'	11.0%
+C4	115' level	Channel 1'	16.0%
+C5	176' level	Channel 1'	0.4%
+C6	176' level	Channel 16'	0.0%
+C7	176' level	Channel 16'	0.0%
+C8	254' level	Channel 52'	0.8%
+C9	254' level	Channel 52'	0.8%
+C10	332' level	Channel 10'	16.0%
+C11	332' level	Channel 22'	19.5%
+C12	332' level	stope fill	1.7%

- Carpentaria Exploration Co. Pty Ltd conducted an underground rock chip sampling program of the Neardie Antimony Mine in 1971.
- Of the nineteen samples taken by Carpentaria:
  - 14 return Sb grades greater than 1%
  - 10 (pink shading) are greater than 5% Sb
  - 4 are greater than 15% Sb.



- **▼ STRATEGIC EXPOSURE TO HIGH-GRADE ANTIMONY AND GOLD**
- **TEXCEPTIONALLY WELL-LOCATED PROJECTS**
- **TAVOURABLE ANTIMONY MARKET DYNAMICS AND PRICING**
- SURROUNDED BY MAJORS AND SUCCESSFUL EXPLORATION COMPANIES
- UNTAPPED GEOLOGICAL POTENTIAL
- **▼ SIGNIFICANT EXPLORATION UPSIDE**



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