

3 October 2024

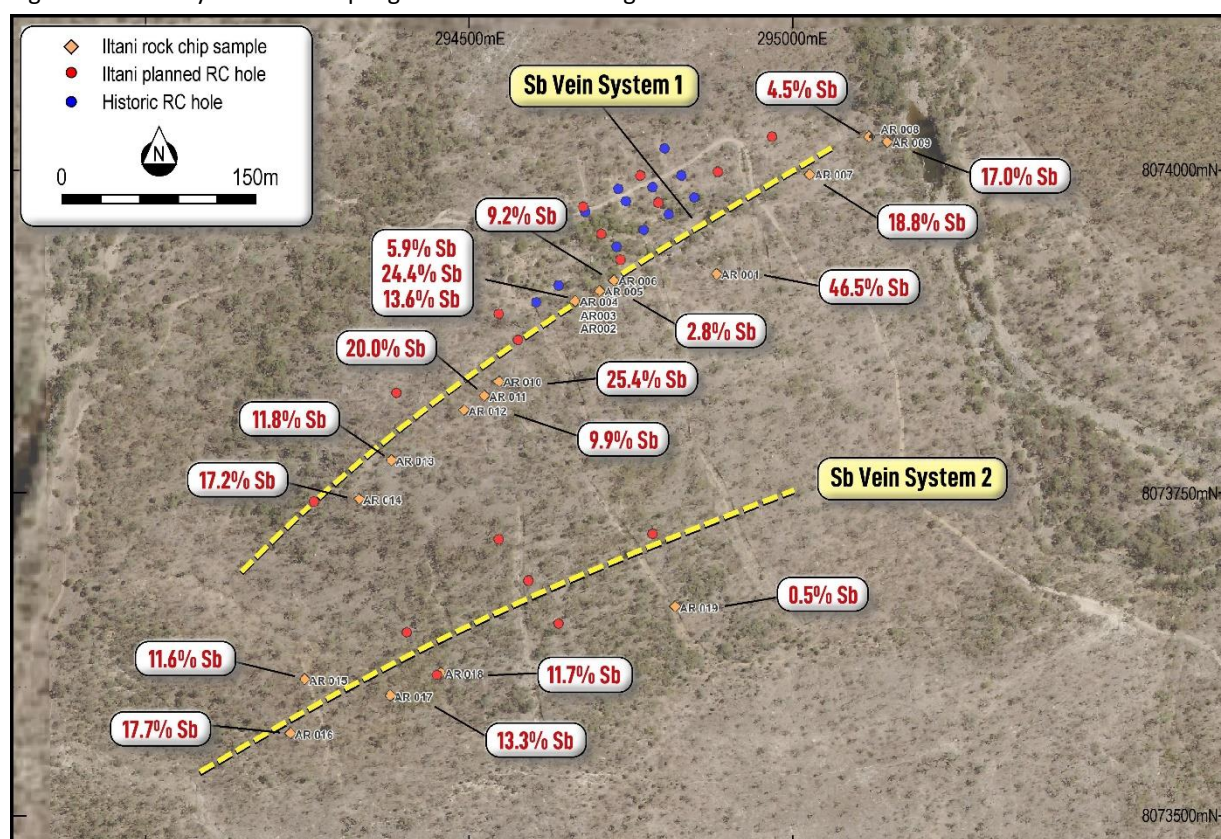
## Iltani to commence drilling at Antimony Reward

Critical minerals and base metals explorer **Iltani Resources Limited** (ASX: ILT, "Iltani" or "the Company") is pleased to announce drilling to follow up high-grade antimony sampling results at its Antimony Reward Project in Herberton, North Queensland, will commence this week.

### HIGHLIGHTS:

- Drill rig mobilised to Antimony Reward with drilling planned to commence on 5 October.
- Initial 10-hole (1,500m) reverse circulation (RC) drill program targeting high-grade antimony mineralisation of **up to 46.5% Sb** will take approximately 10 days to complete.
- Mapping and sampling<sup>1</sup> confirmed extensive high-grade antimony mineralisation:
  - Vein 1: Average sample assay of **16.2% Sb**, peak assay of **46.5% Sb** over 500m+ strike extent
  - Vein 2: Average sample assay of **10.9% Sb**, peak assay of **17.7% Sb** over 300m+ strike extent
- Antimony Reward was previously drilled in 2008, with drilling testing a limited part (200m strike extent) of Vein 1.
- On completion of initial Antimony Reward drill program, drill rig will move to Iltani's nearby Orient silver-indium project to commence the next phase of drilling at Orient.

Figure 1 Antimony Reward Sampling & Planned RC Drilling



<sup>1</sup> Iltani Resources ASX Release 16 September 2024 "Antimony Reward delivers up to 46.5% antimony".

**Iltani Managing Director Donald Garner** commented: *"It will be great to start drilling at Antimony Reward and we are eager to see what the drill bit will deliver.*

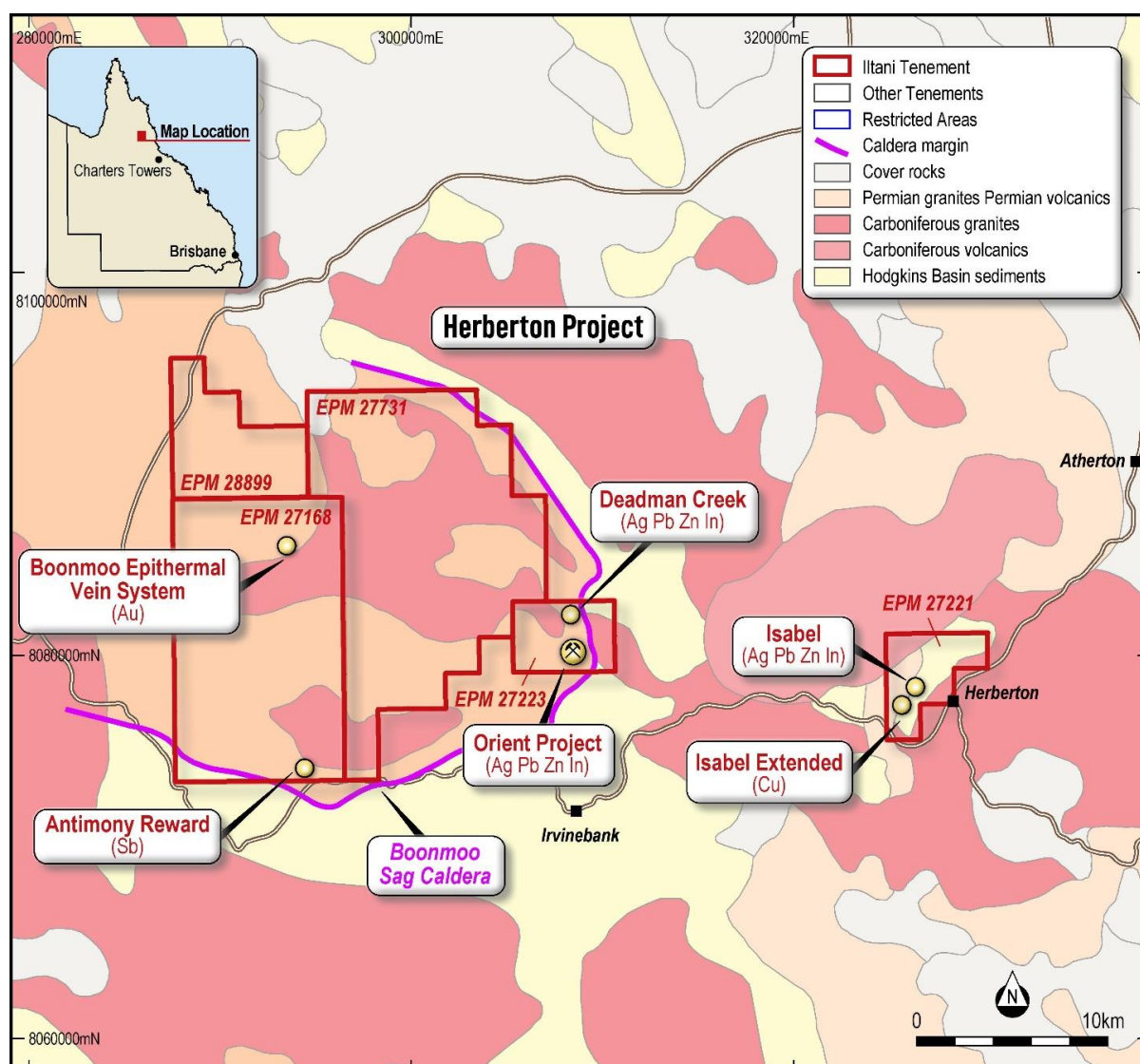
*The initial drilling program should take approximately 10 days to complete. Whilst we are awaiting the assay results, the drill rig will move 17km along the road to our exciting Orient Project to continue to drill and expand this exceptional silver-indium system.*

*Using assay results from the Antimony Reward drilling we can plan what to do next, and subject to results, we could move the drill back from Orient to Antimony Reward for another round of drilling before we demobilise for the wet season."*

## 1. Antimony Reward Project

Iltani Resources' Herberton Project (Figure 2) includes the Antimony Reward antimony deposit, located on Iltani's wholly owned exploration permit EPM 27168, and is approximately 45km from Herberton, and 17km from the Orient Silver-Indium project, in Northern Queensland.

Figure 2 Antimony Reward Project Location





The Antimony Reward prospect is located within the Featherbed Volcanic Complex, also host to the Orient silver-indium deposit. The prospect is hosted by rhyolitic ignimbrite near the southern margin of the caldera. Structurally controlled mineralisation along the two main NE-SW trending zones occurs as stibnite within epithermal-style chalcedonic quartz veining and hydrothermal breccias. There appears to be no other significant elements associated with the stibnite mineralisation. Vein widths at surface were recorded from 10cm to more than 1m.

Historical workings have mainly exploited the northern zone (Vein 1) which has been traced on surface for approximately 500m. Vein outcrop has been traced over 200m strike extent along the southern zone (Vein 2), with sizeable stibnite-bearing quartz float samples recognised for a further 100m to the southwest.

Part of the northern zone (Sb Vein System 1) was drill tested by Kangaroo Metals, which completed a 10-hole reverse circulation (RC) drilling program during 2008. The drill holes were targeted below and adjacent to historical workings in the form of vertical shafts approximately 10m deep and shallow diggings which form a distinct zone approximately 200m in length striking east north east (refer to ASX release 26 Aug 2024 "Iltani targeting high-grade antimony at Antimony Reward"). The southern zone (Sb Vein System 2) has not previously been targeted.

Kangaroo Metals' drilling program<sup>2</sup> intersected high-grade antimony mineralisation (**up to 17.30% Sb over 1m**) with results including:

- ARRC006: **3m @ 3.49% Sb** from 62m including **2m @ 5.51% Sb** from 62m downhole
- ARRC010: **12m @ 2.73% Sb - 2m @ 11.93% Sb** from 30m and **1m @ 17.30% Sb** from 31m downhole
- ARC011: **3m @ 1.38% Sb** from 47m downhole
- ARC012: **2m @ 1.87% Sb** from 11m plus **5m @ 3.21% Sb** from 19m including **1m @ 12.25% Sb** from 23m downhole.

Iltani recently undertook mapping and sampling at Antimony Reward as part of drill design activities, with 19 samples taken from the two mapped vein systems at the Antimony Reward. These delivered results of:

- Northern Vein (Vein 1) (14 samples): average assay result of **16.2% Sb** with a maximum assay result of **46.5% Sb**
- Southern Vein (Vein 2) (5 samples): average assay result of **10.9% Sb** with a maximum assay result of **17.7% Sb**
- **High-grade assay results extend beyond the zone of historical drilling on Vein 1 (strike extent of 500m+) and are also reported from Vein 2 (strike extent of 300m+) which was not previously drilled.**

<sup>2</sup> Iltani Resources ASX Release 26 August 2024 "Iltani targeting high-grade antimony at Antimony Reward".

**Authorisation**

This announcement has been approved for issue by Donald Garner, Iltani Resources Managing Director.

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**Competent Persons Statement****Exploration Results**

The information in this report that relates to Exploration Results is based on information compiled by Mr Erik Norum who is a member of The Australasian Institute of Geologists (AIG), and is an employee of Iltani Resources Limited., and who has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activities being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves' (JORC Code).

Mr Norum consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

### About Iltani Resources

Iltani Resources (ASX: ILT) is an ASX listed company focused exploring for the base metals and critical minerals required to create a low emission future. It has built a portfolio of advanced exploration projects in Queensland and Tasmania with multiple high quality, drill-ready targets. Iltani has completed drilling at the Orient Silver-Indium Project, part of its Herberton Project, in Northern Queensland. The drilling has returned outstanding intercepts of silver-lead-zinc-indium mineralisation, positioning Orient as Australia's most exciting silver-indium discovery.

Other projects include the Northern Base Metal, and Rookwood Projects in Queensland plus the Mt Read Project, a highly strategic 99km<sup>2</sup> licence in Tasmania's Mt Read Volcanics (MRV) Belt, located between the world-class Rosebery and Hellyer-Que River polymetallic (CuPbZn) precious metal rich volcanic hosted massive sulphide deposits.

Figure 3 Location of Iltani Resources' projects in Queensland and Tasmania

