



ILTANI
RESOURCES

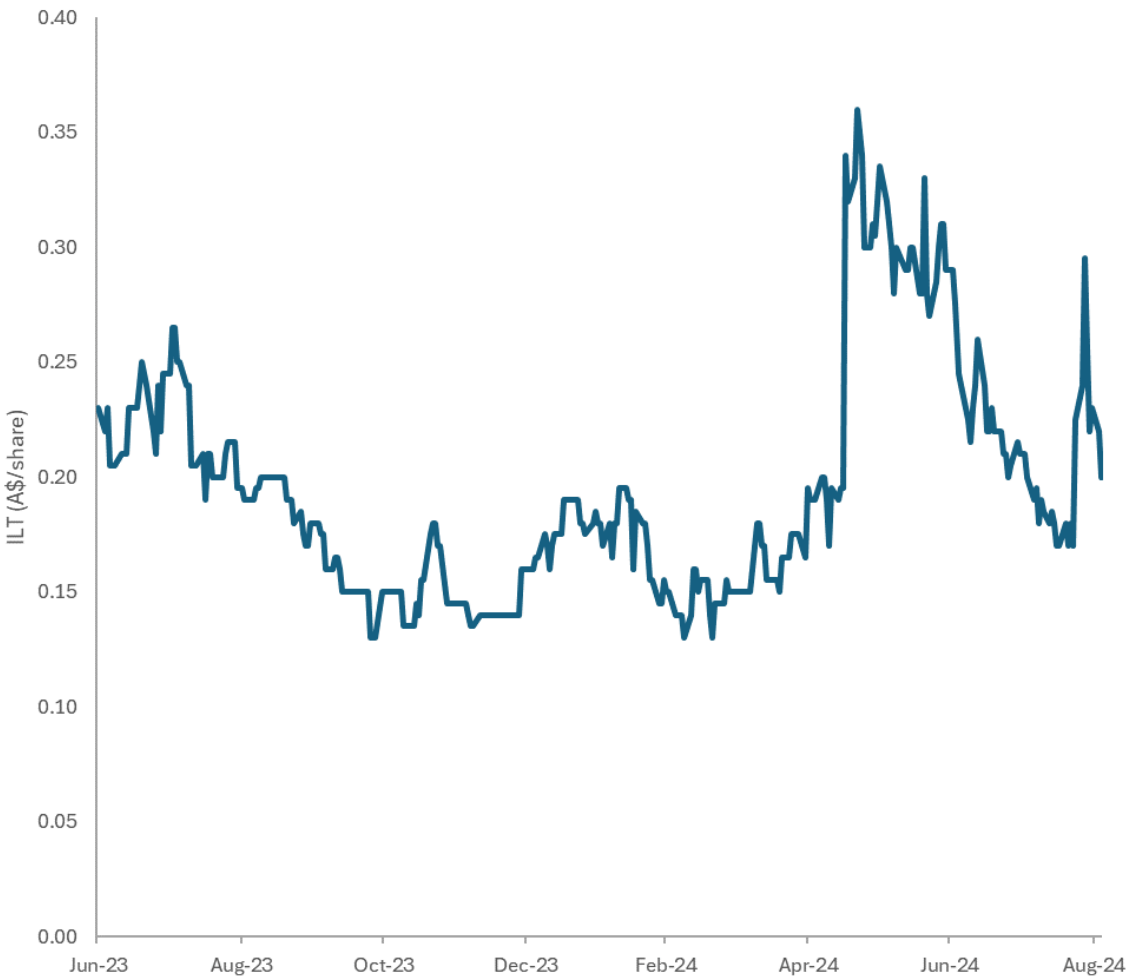


**FOCUSED ON THE DISCOVERY AND
DEVELOPMENT OF CRITICAL MINERALS
NECESSARY FOR A CLEAN ENERGY
FUTURE**

NWR RESOURCES SERIES 5 SEPT 2024

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Share Trading History (IPO 30 June 2023 to date)



Iltani Resources (ASX:ILT)

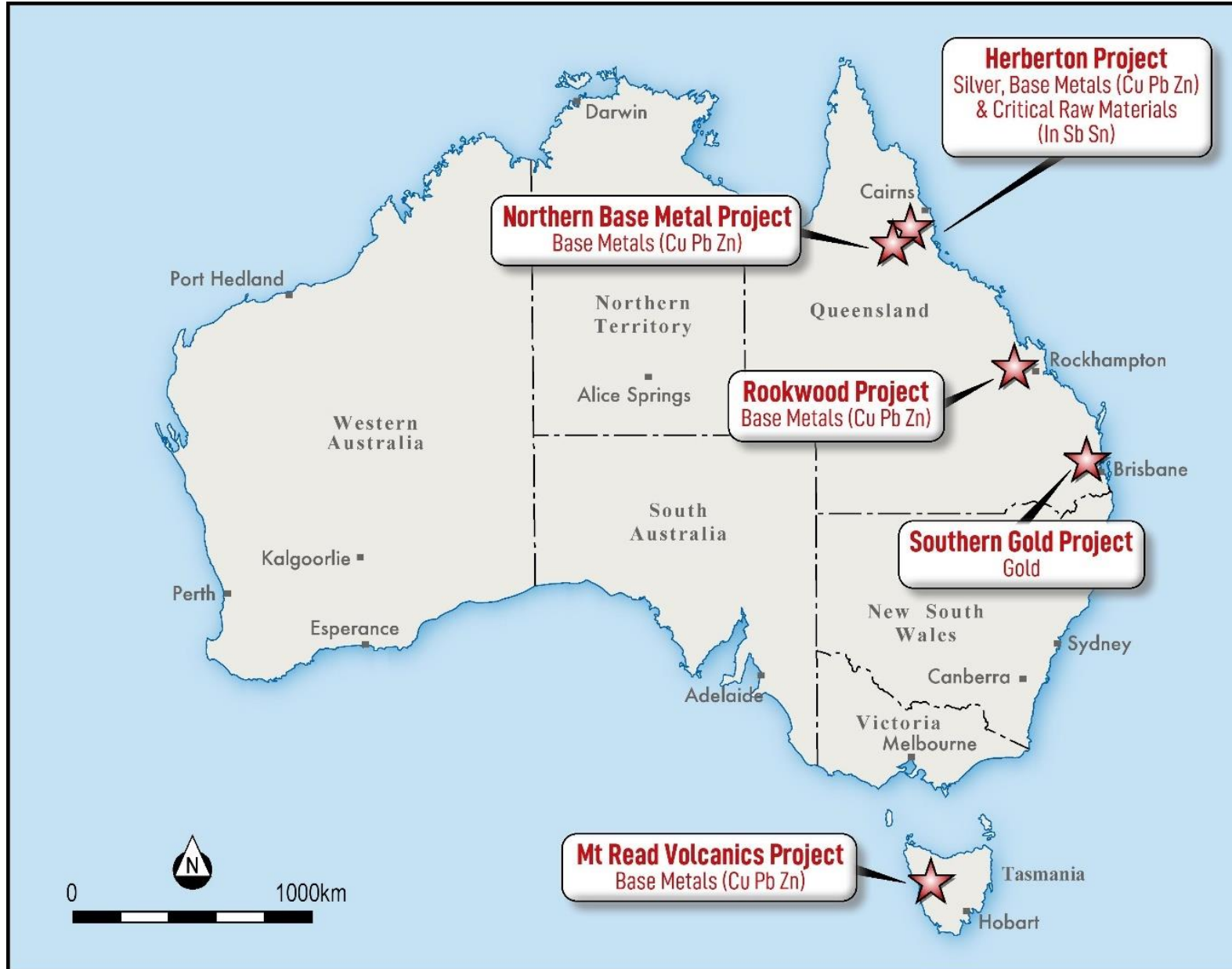
Share price	\$0.20
Shares on issue	41.8 million
Unlisted options	15.4 million
Market capitalisation	\$8.4 million
Cash (30 June 2024)	\$2.4 million
Enterprise value	\$6.0 million

Shareholder Structure

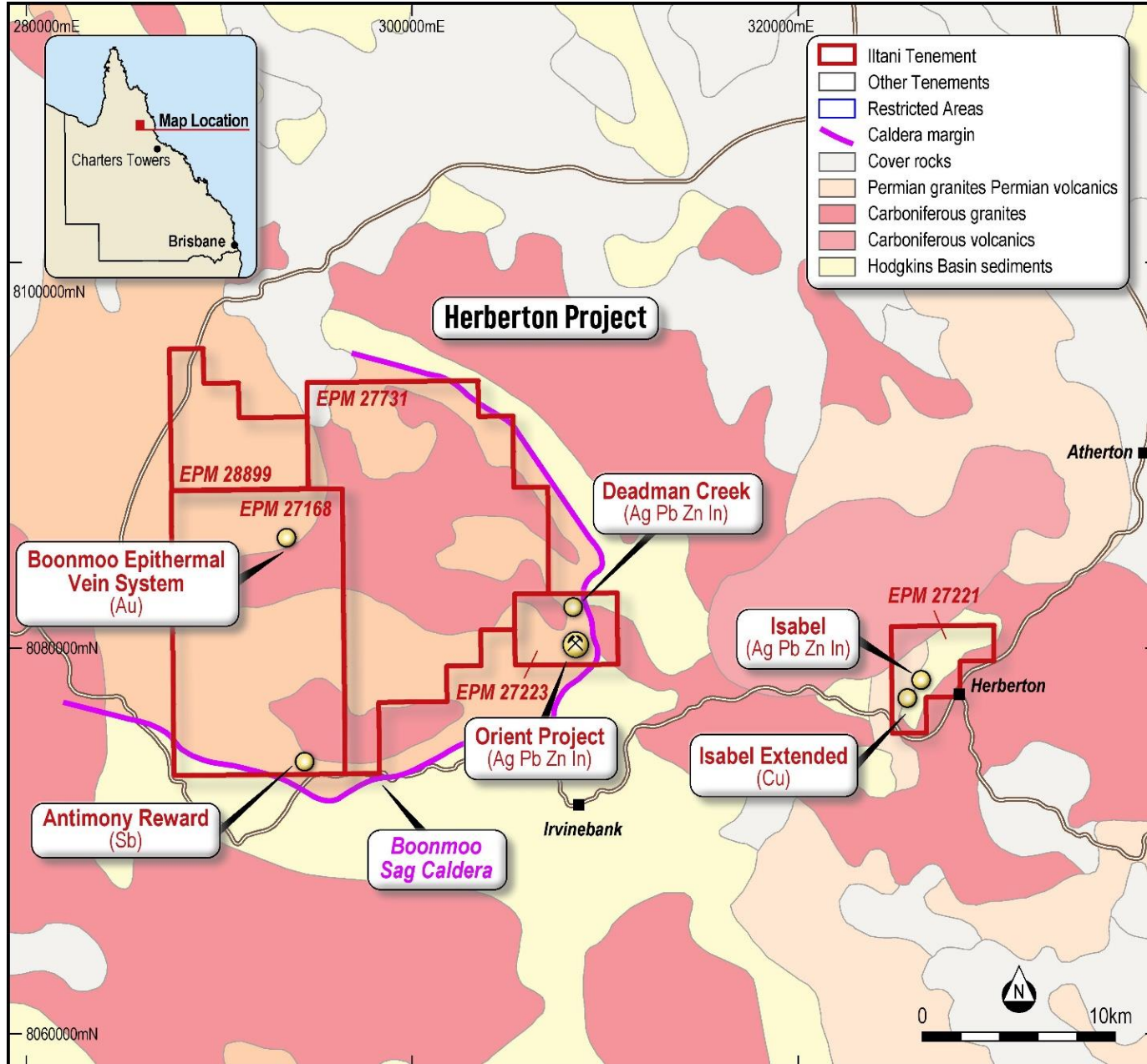
Board & Management	9.3%
Top 20 (excl Board & Management)	45.4%

Board

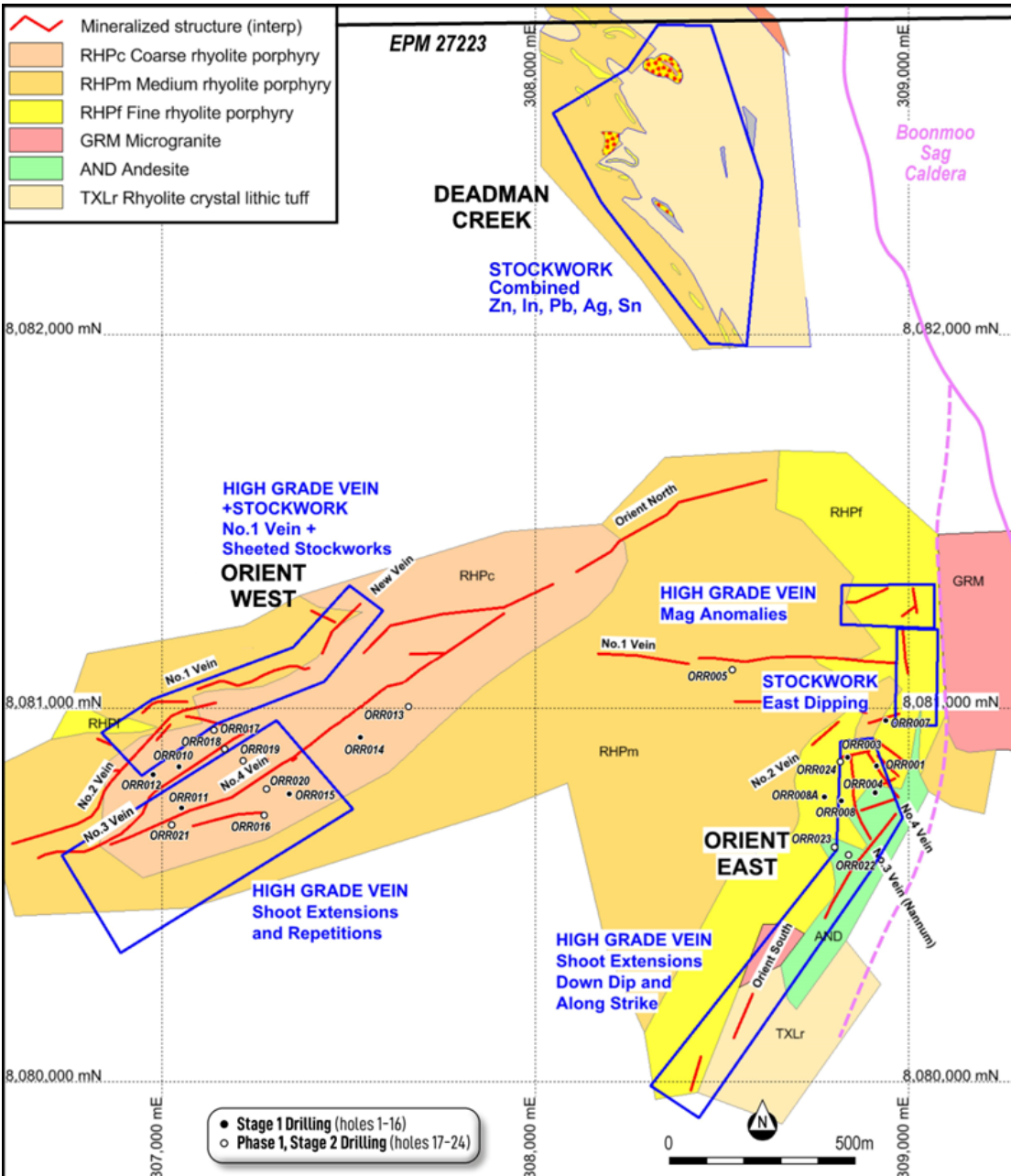
Non-Executive Chairman	Anthony Reilly
Managing Director	Donald Garner
Non-Executive Director & Co Sec.	Justin Mouchacca
Technical Advisor	Bruce Gemmell



- Itani continues to build a portfolio of advanced Australian Critical Mineral Projects through acquisition and application
- Our exploration and development activities focus on:
 - Silver
 - Indium
 - Antimony
 - Copper & Zinc
- These metals are all in high demand due to their increasing use in clean energy and sustainable technologies and their strategic nature



- Iltani holds multiple tenements in the highly prospective Herberton Region
- Halo of mineralisation (vein and breccia style) associated with the Boonmoo Sag Caldera, including
 - Orient (Silver-Indium-Lead-Zinc)
 - Antimony Reward (Antimony)
 - Boonmoo (Gold)
 - Isabel (Silver-Indium-Lead-Zinc)
 - Isabel Extended (Copper)
- Large fluid system with a large metal budget associated with the magmatic system beneath the caldera



- Orient is an extensive precious metal-rich epithermal system with a likely intrusion (porphyry) at depth
- Strong similarities to the large Bolivian Ag-Zn-Pb-In-Sn systems
- Hosts multiple high-grade zinc-lead-silver-indium veins and stockworks outcropping over at least 5-6 km² area
- Zoned hydrothermal alteration (phyllic, argillic & propylitic) surrounding mineralisation
- Multiple target areas:
 - Orient West
 - Orient East
 - Deadman Creek
 - Orient Deeps
- Mined from 1886 to 1924, with extensive (>200) historical workings – targeted high-grade direct shipping silver-lead oxide ore



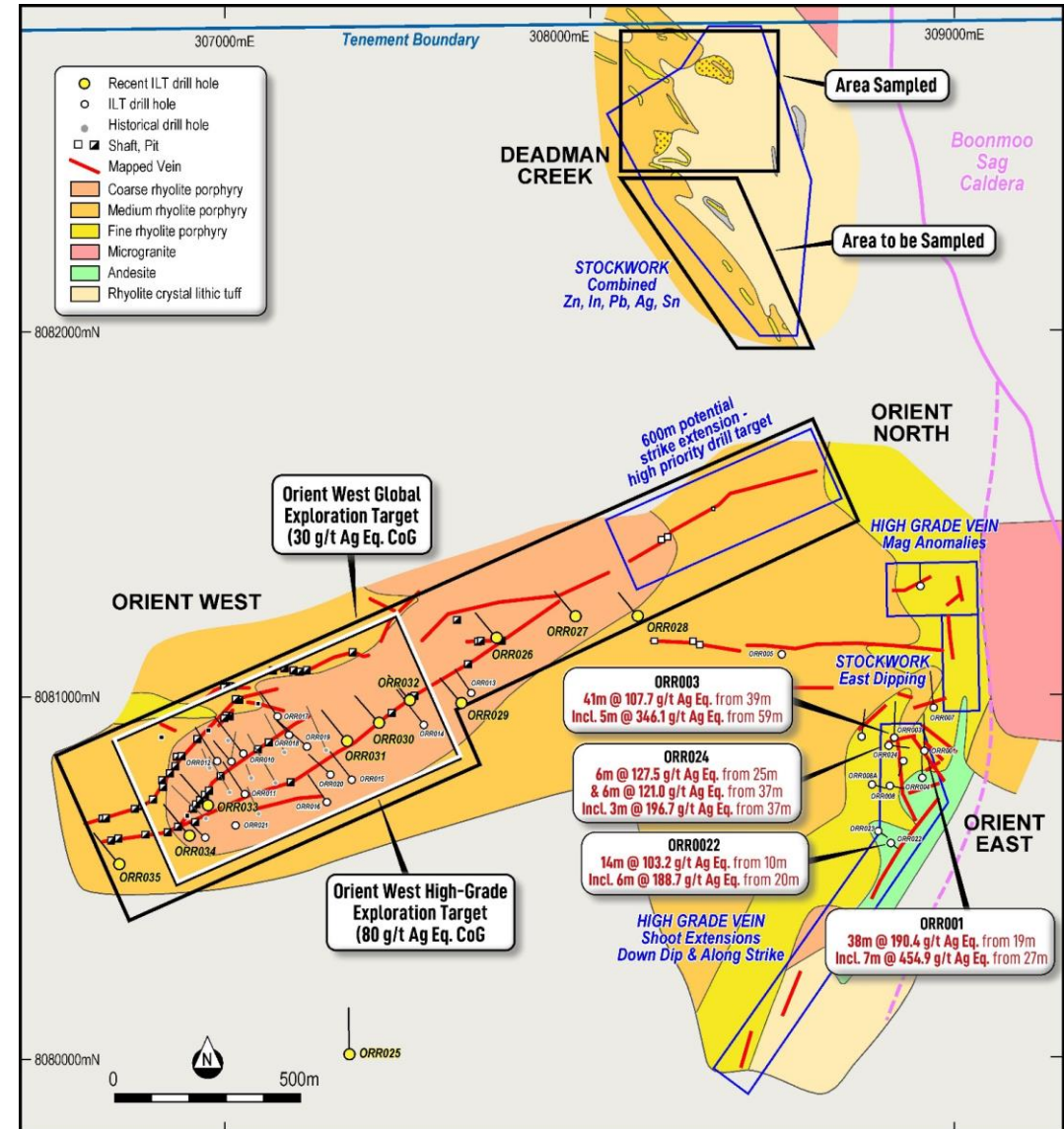
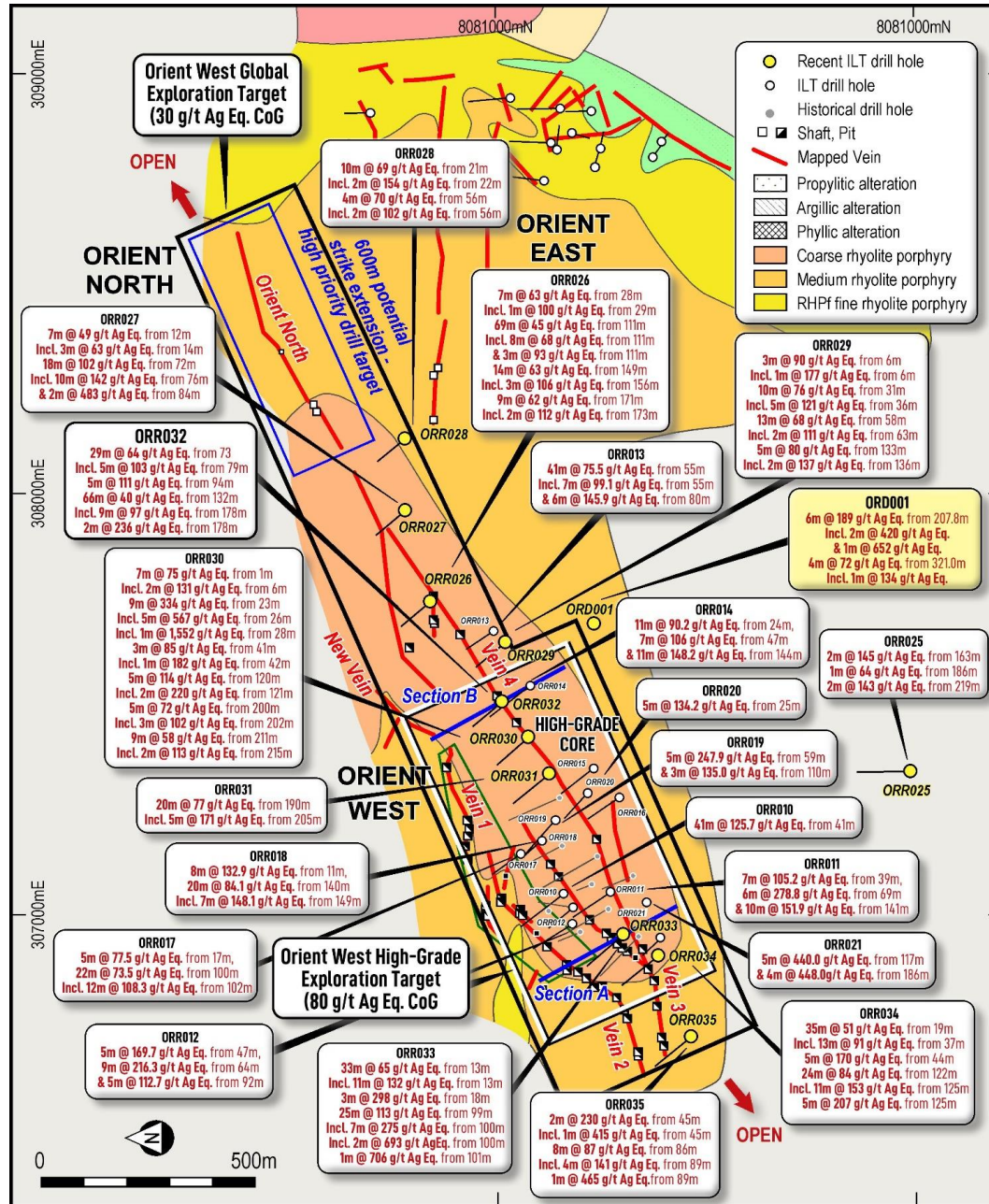
Orient West

20 RC Holes (4,102m drilled)
1 DD Hole (795m drilled)

Orient East

10 RC Holes (1,092m drilled)

✓	Confirm the presence of multiple large-scale vein systems
✓	Confirm open pit and UG mining development potential
✓	Confirm there is room for the tonnage needed to make an ore body
✓	Understand the continuity and grade of the system
✓	Test for high grade silver-indium mineralisation



- Orient West Exploration Target positions Orient as Australia's largest silver-indium project

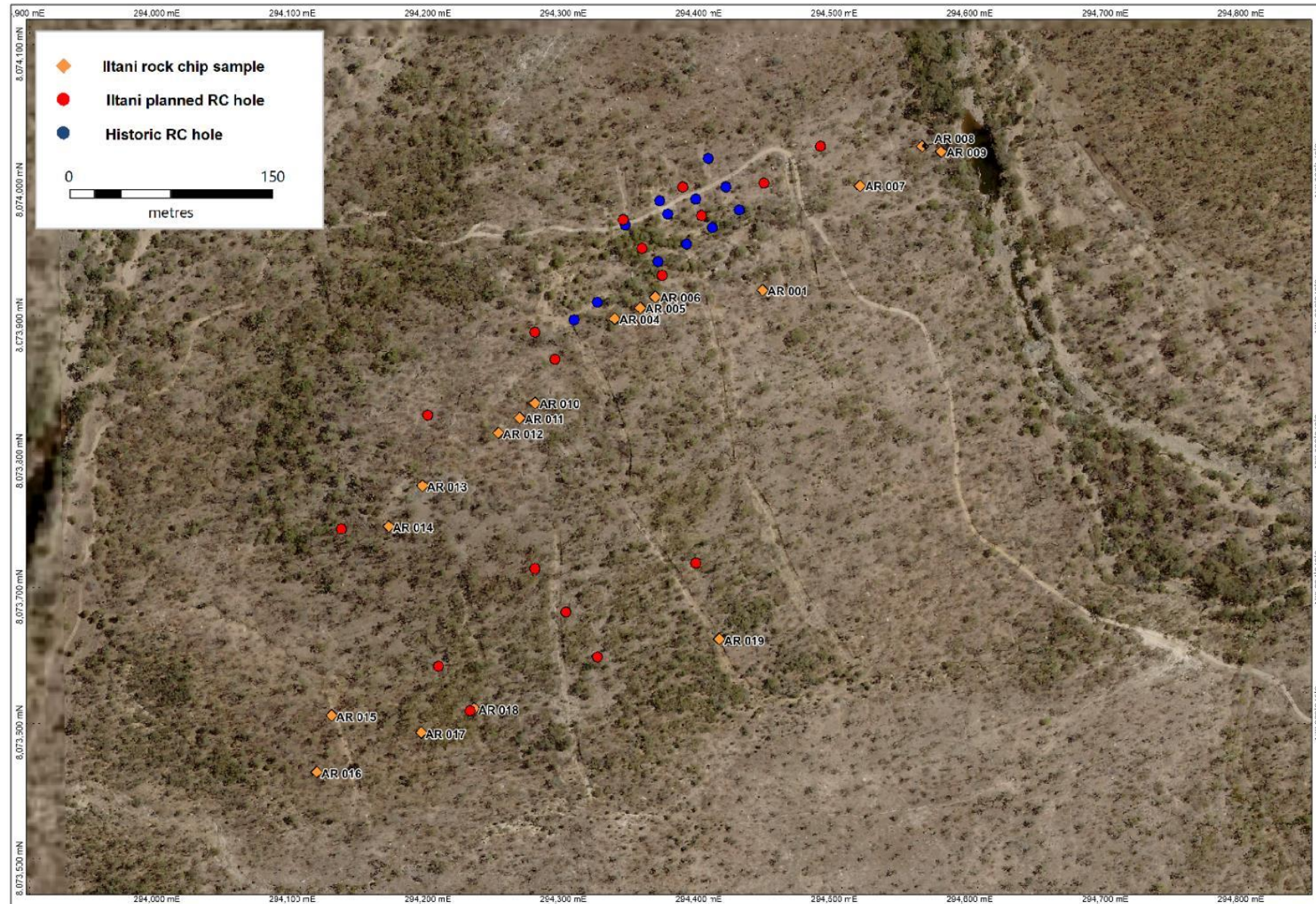
Global Exploration Target (30 g/t Ag Eq. cut-off grade)				High-Grade Core (80 g/t Ag Eq. cut-off grade)			
		Minimum	Maximum			Minimum	Maximum
Tonnes Range	Mt	74	100	Tonnes Range	Mt	20	24
Ag Eq.	g/t	55	65	Ag Eq.	g/t	110	120
Ag	g/t	15	20	Ag	g/t	28	35
In	g/t	11	13	In	g/t	20	24
Pb	%	0.3	0.5	Pb	%	0.7	0.8
Zn	%	0.5	0.6	Zn	%	0.9	1.1

The potential quantity and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource. The Exploration Target has been prepared in accordance with the 2012 Edition of The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves ('the JORC Code')



Massive to subhedral orthorhombic stibnite crystals to 10cm bladed in hydrothermal/epithermal quartz vein, some chalcedonic quartz with drusy crystals lining vughs and milled breccia with rounded cordierite hornfels clasts to 2cm in altered felsics.

- **Extensive stibnite (Sb_2S_3) mineralisation within epithermal-style chalcedonic quartz veining and hydrothermal breccias**
- Minor production (direct shipping ore) at site in 1917 and 1958
- Kangaroo Metals completed RC drill program in 2008. Notable results include:
 - **ARRC006: 3m @ 3.49% Sb from 62m including 2m @ 5.51% Sb from 62m downhole;**
 - **ARRC010: 12m @ 2.73% Sb from 29m including 2m @ 11.93% Sb from 30m and 1m @ 17.30% Sb from 31m downhole;**
 - **ARC011: 3m @ 1.38% Sb from 47m downhole; and**
 - **ARC012: 2m @ 1.87% Sb from 11m plus 5m @ 3.21% Sb from 19m including 1m @ 12.25% Sb from 23m downhole**



- Two main NE-SW trending mineralised zones
 - Northern Zone > 500m strike
 - Southern Zone > 300m strike
- Itani just completed initial mapping and sampling
- 19 samples – assays pending
- 15 to 20 hole RC drill program designed (1,500m drilling)
- Aiming to start end September/early October

Silver	<ul style="list-style-type: none">■ Supply deficit of 184Moz in 2023 – forecast to grow to 224Moz in 2024■ Increasing industrial demand – driven by photovoltaics■ Silver is an essential component of every solar panel - installed solar capacity doubles roughly every three years, and so grows ten-fold each decade⁽¹⁾■ Solar cells will in all likelihood be the single biggest source of electrical power on the planet by the mid 2030s⁽¹⁾
Indium	<ul style="list-style-type: none">■ High value critical mineral – US\$450/kg■ Key use in indium-tin oxide thin film coatings (touchscreens), other indium end uses include alloys and solders, compounds, electrical components and semiconductors
Antimony	<ul style="list-style-type: none">■ Highly strategic critical mineral – main use as a flame retardant (antimony trioxide)■ Critical for defense industry: armour-piercing ammunition, night vision goggles, infrared sensors, bullets, and precision optics, and the electronics industry, including semiconductors, cables, and batteries■ Antimony trading at multi decade highs (US\$25,100/tonne) - China dominates global supply – export controls commencing on 15 September
Copper	<ul style="list-style-type: none">■ <u>The</u> key metal required for global electrification■ Top of the wish list for all major mining companies

(1) Economist June 22 2024 – The exponential growth of solar power will change the world

Ilteni Resources	<ul style="list-style-type: none">■ Highly experienced Board & Management team■ Building an attractive portfolio of base, precious and critical mineral assets■ Focused on silver, indium, copper, zinc and tin■ Well positioned to deliver material shareholder value creation
Orient Silver-Indium Project	<ul style="list-style-type: none">■ Epithermal-porphyry system – veins/stockwork/alteration over 5 to 6km²■ Orient West Exploration Target of 20 to 24Mt @ 110 to 120 g/t Ag Eq.■ Restarting drilling – target initial JORC resource by end 2024■ Targeting open pit & UG potential
Antimony Reward Project	<ul style="list-style-type: none">■ Epithermal system hosting high-grade antimony mineralisation■ Mapping/sampling just completed – assays in 1 to 2 weeks time■ 15 to 20 drill hole RC program starting end September/ early October
Actively Exploring for Copper	<ul style="list-style-type: none">■ Accelerating copper exploration activities■ Recent application in Tasmania (contiguous with Mt Lyell Cu deposit)



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Metallurgical Equivalent Calculation

The metal equivalent formula is: $\text{Ag Eq.} = \text{Ag} + (\text{Pb} \times 35.5) + (\text{Zn} \times 50.2) + (\text{In} \times 0.47)$

Metal Equivalent Calculation - Recoveries and Commodity Prices

Metal	Price/Unit	Recovery
Silver	US\$20/oz	87%
Lead	US\$1.00/lb	90%
Zinc	US\$1.50/lb	85%
Indium	US\$350/kg	85%

It is Ittani's opinion that all the elements included in the metal equivalents calculation have a reasonable potential to be recovered and sold.

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 a consultant engaged by Ittani 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.

Competent Persons Statement

Exploration Target

The Exploration Target estimate has been prepared by Mr Stuart Hutchin, who is a Member of the Australian Institute of Geoscientists. Mr Hutchin is a full time employee of Mining One Consultants. Mr Hutchin has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity for which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the “Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”.

Mr Hutchin consents to the inclusion in the release of the matters based on his information in the form and context in which it appears.

This presentation contains information extracted from ASX market announcements reported in accordance with the 2012 edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves” (2012 JORC Code). Further details (including 2012 JORC Code reporting tables where applicable) of exploration results referred to in this ASX announcement can be found in the following announcements lodged on the ASX:

These announcements are available for viewing on the Company’s website www.iltaniresources.com.au. Itani Resources confirms that it is not aware of any new information or data that materially affects the information included in any original ASX announcement.

Date	Announcement
13 October 2023	Itani hits wide intersections of silver-lead-zinc-indium-antimony-tin mineralisation at Orient
24 October 2023	Itani confirms significant new discovery of silver-lead-zinc-indium-antimony-tin system at Orient, QLD
13 November 2023	Test work confirms silver-indium production potential at Orient, QLD
19 February 2024	Drilling points to major silver-indium discovery at Orient, QLD
11 March 2024	Itani achieves highest reported indium grades in drilling at Orient, QLD
26 March 2024	Itani awarded CEI grant to fund Orient Deep Diamond Hole
8 April 2024	Itani to restart drilling at Orient Silver-Indium Project, QLD
6 May 2024	Itani commences drilling at Orient Silver-Indium Project, QLD
5 June 2024	IP drillhole results confirm Orient extension
12 June 2024	Orient deep diamond hole commences
17 June 2024	Drilling delivers a 550m strike extension to Orient Project
4 July 2024	Itani delivers silver-indium mineralisation up to 1,552 g/t Ag Eq. at Orient Project, QLD
11 July 2024	Drilling defines 900m long high-grade silver-indium zone at Orient West
18 July 2024	Itani defines Orient West Exploration Target
6 August 2024	Itani expands Deadman Creek sampling after encouraging silver-indium results
15 August 2024	Orient West deep drillhole returns up to 420 g/t Ag Eq. highlighting UG resource potential
26 August 2024	Itani targeting high-grade antimony at Antimony Reward
29 August 2024	Itani readies for Herberton silver-indium and antimony drilling
5 September 2024	Itani completes Antimony Reward mapping and sampling