



ILTANI
RESOURCES



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

Iltani 2024 Annual General Meeting

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- Advancing Orient – Australia’s largest silver-indium discovery and growing, delivering a clear pathway to material value creation
- Completed 42 drill holes (8,324m) of drilling at the Orient Project
- Defined Orient West Exploration Target - high-grade core of 20 to 24 Mt @ 110 – 120 g/t Ag Eq. within a larger zone of 74 to 100 Mt @ 55 – 65 g/t Ag Eq.
- Drilled Antimony Reward (18 holes for 1,698m) – intersected high-grade antimony mineralisation
- Granted highly prospective Mt Lyell Cu exploration licence in Tasmania
- Cash balance of \$3.5m (30 Sept 2024) – raised \$2.1m @ 21 cents



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')

Share Trading History (IPO 30 June 2023 to date)



Iltani Resources (ASX:ILT)

Share price (27 Nov 2024)	\$0.16
Shares on issue	52.1 million
Unlisted options	16.4 million
Market capitalisation	\$8.4 million
Cash (30 Sep 2024)	\$3.5 million
Enterprise value	\$4.9 million

Shareholder Structure

Board & Management	8.1%
Top 20 (excl Board & Management)	34.0%

Board

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



- Iltani has a highly attractive portfolio of advanced critical mineral & precious metal projects in Australia
- Targeting critical minerals essential for clean energy technologies

Herberton Project (North QLD)

- 5 Exploration Permits & 1 Application
- Silver, zinc, lead & copper
- Indium, antimony & tin

Northern Base Metal Project (North QLD)

- 1 Exploration Permit
- Copper, lead, zinc & gold-silver

Mount Read Volcanics Project (TAS)

- 2 Exploration Licences
- Copper, lead, zinc & gold-silver



Orient Silver-Indium Project

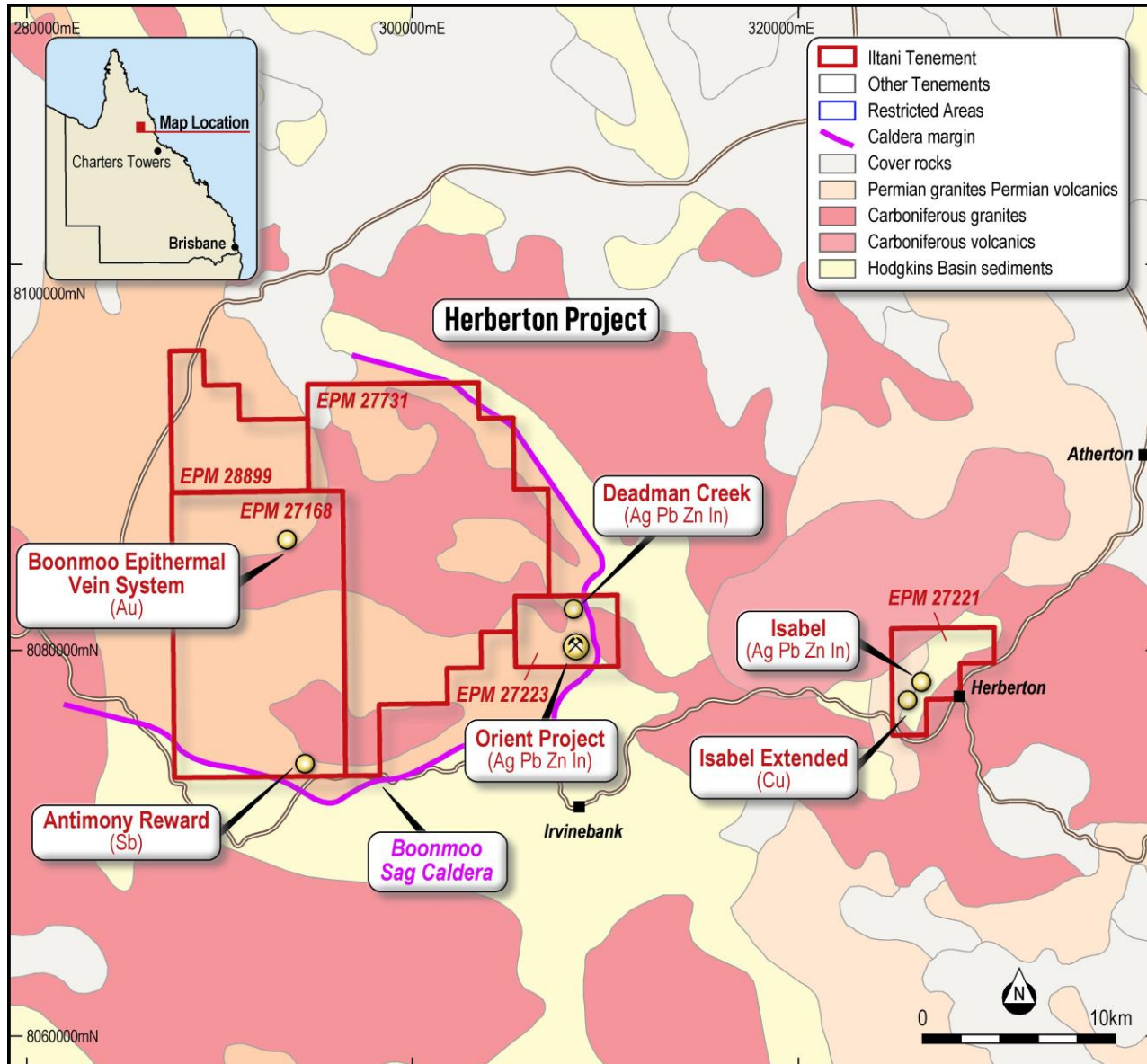
- **Itani has completed 41 RC drill holes and 1 diamond drill hole at Orient (8,324m drilled)**
- **Orient West: 14 RC drill holes for 3,104m drilled**
- **Announced Orient West Exploration Target**
- **Orient East: 26 RC drill holes for 4,174m drilled**
- **Geophysical Target: 1 RC hole for 252m drilled**
- **Diamond drill hole: 1 DDH for 794m drilled**

Antimony Reward

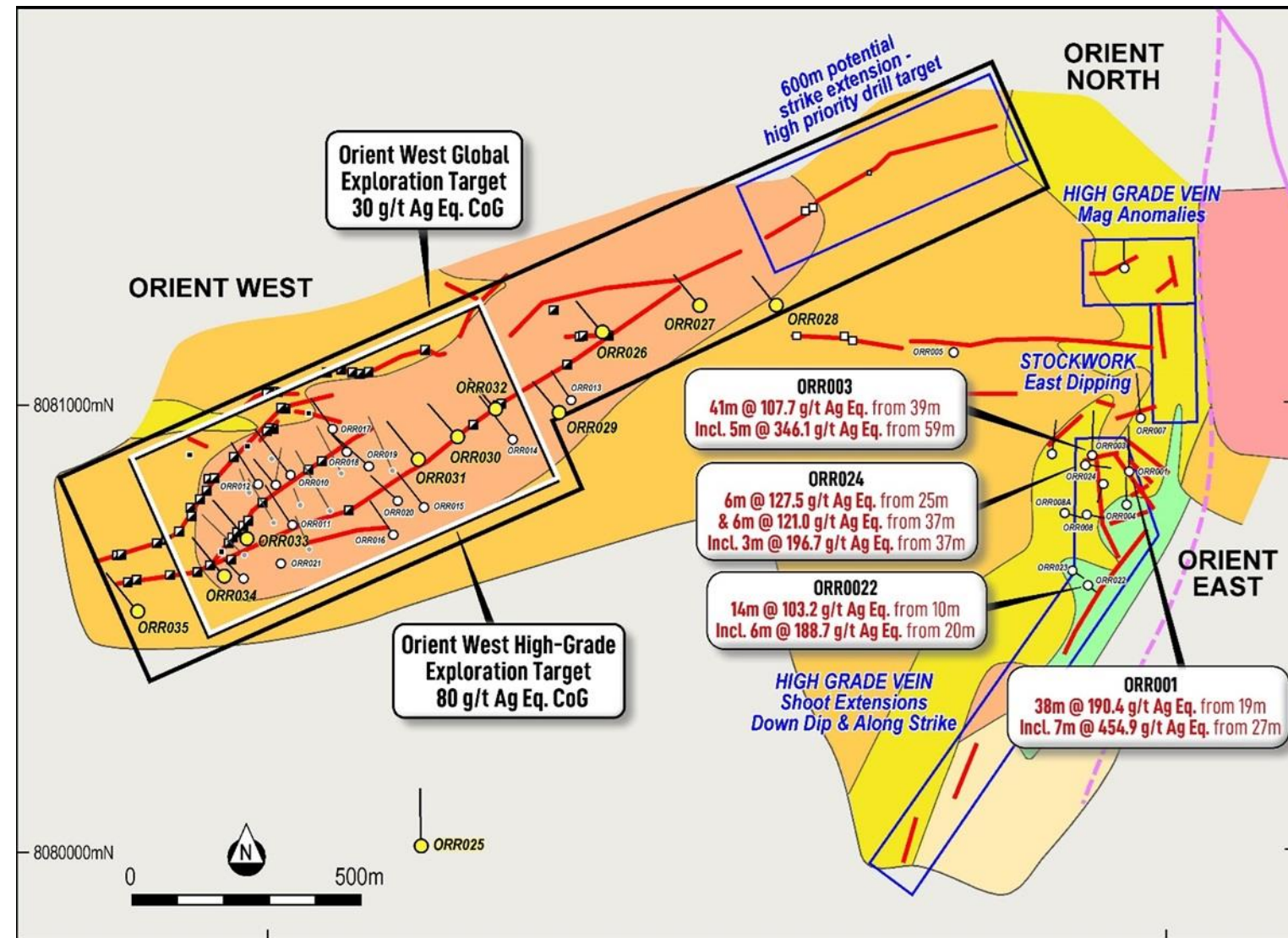
- **Completed 18 RC holes for 1,698m drilled**
- **Best intersection to date of 7m @ 7.61% Sb from 38m**

Northern Base Metal Project

- **Mapping and sampling confirmed high-grade Cu-Pb-Zn-Ag mineralisation at Mount Mist and Frewhurst**



- Key tenement holding in the Herberton Mineral Field covering approx. 330km²
- Highly prospective terrain with a long history of mining
- Tin deposits discovered at Herberton in 1880; +2,400 historic mines and prospects known in the Herberton-Mt Garnet region
- Majority of mines have been worked for tin, but also tungsten, copper and silver-lead-zinc plus bismuth, antimony, molybdenum and gold
- Minimal modern exploration – Iltani first to drill at Orient since minor exploration during the 1980s.
- Boonmoo Sag Caldera includes the significant mineralisation at Orient plus several historic Cu, Ag-Pb-Zn and Au mines and prospects. No modern exploration.



Orient West

- Multiple stacked Pb-Ag-Zn-In veins
- Outcropping along ridge line
- 2km+ strike with 900m long high-grade core
- Open along strike and down-dip

Orient East

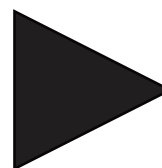
- Outcropping stockwork vein system
- N-S and E-W dominant vein orientation
- 500m x 500m core area
- Open along strike and down-dip

Reconnaissance Exploration

- Mineralisation extends undercover (ORR025)
- Orient East & West = one system

- Multiple outcropping vein systems and stockwork zones intersected at Orient East & West
- High-grade sulphide rich veins (up to 10m thick) surrounded by lower grade stockwork/veinlet zones (up to 70m thick)
- Mineralisation present as silver rich galena & indium rich sphalerite with minor stannite & boulangerite
- Open at depth (deepest intersection to date at ~300m vertical depth in deep diamond hole) and along strike

Open Pit Mining Potential



UG Mining Potential

Outcropping thick vein systems

With a higher-grade core

Orient East

Hole	From (m)	To (m)	Intersect (m)	Ag g/t	Pb %	Zn %	In g/t	Ag Eq. g/t	
ORR001	19	57	38	69	1.3%	1.4%	7	190	inc.
ORR003	39	80	41	36	0.8%	0.8%	5	108	inc.

From (m)	To (m)	Intersect (m)	Ag g/t	Pb %	Zn %	In g/t	Ag Eq. g/t
27	34	7	180	3.0%	3.3%	12	455
59	64	5	122	2.5%	2.5%	27	346

Orient West

Hole	From (m)	To (m)	Intersect (m)	Ag g/t	Pb %	Zn %	In g/t	Ag Eq. g/t	
ORR010	60	101	41	35	0.7%	1.0%	35	125	inc.
ORR030	23	32	9	67	1.3%	3.4%	142	348	inc.

From (m)	To (m)	Intersect (m)	Ag g/t	Pb %	Zn %	In g/t	Ag Eq. g/t
90	98	8	73	1.2%	2.6%	116	301
26	31	5	111	2.1%	5.8%	253	593



Northern Queensland

- Orient East: 26 RC holes for 4,174m drilled – assays pending
- Orient West JORC Infill: 4 RC holes for 870m drilled – assays pending, further 3 RC holes (640m planned) to be drilled then demobilise drill rig
- Update Orient deposit models with assays during the wet season in preparation for CY2025 & estimate Orient East Exploration Target
- CY2025: Complete Orient West JORC Resource infill drilling (already underway) and start Orient East JORC Resource infill drilling
- Deeper drilling to target high-grade UG potential

Tasmania

- Continue to build presence in highly prospective Tasmanian West Coast Mineral Province

Project Portfolio

- Actively looking for new opportunities



ILTANI
RESOURCES

NATHAN RYAN

NWR COMMUNICATIONS

+61 420 582 887

nathan.ryan@nwrcommunications.com.au

DONALD GARNER

ILTANI RESOURCES

+61 438 338 496

dgarner@iltaniresources.com.au

ILTANIRESOURCE.COM.AU

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 fulltime 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. Ittani 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
19 February 2024	Drilling points to major silver-indium discovery at Orient, QLD
11 March 2024	Ittani achieves highest reported indium grades in drilling at Orient, QLD
26 March 2024	Ittani awarded CEI grant to fund Orient Deep Diamond Hole
8 April 2024	Ittani to restart drilling at Orient Silver-Indium Project, QLD
6 May 2024	Ittani 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	Ittani 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	Ittani defines Orient West Exploration Target
6 August 2024	Ittani 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	Ittani targeting high-grade antimony at Antimony Reward
29 August 2024	Ittani readies for Herberton silver-indium and antimony drilling
5 September 2024	Ittani completes Antimony Reward mapping and sampling
16 September 2024	Antimony Reward delivers up to 46.5% antimony
3 October 2024	Ittani to commence drilling at Antimony Reward
24 October 2024	Ittani targets high-grade silver in drilling at Orient East
6 November 2024	Ittani intersects high-grade antimony mineralisation