



ILTANI
RESOURCES



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

**NOOSA MINING CONFERENCE
PRESENTATION 13 – 15 NOV 2024**

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Share Trading History (IPO 30 June 2023 to date)



Iltani Resources (ASX:ILT)

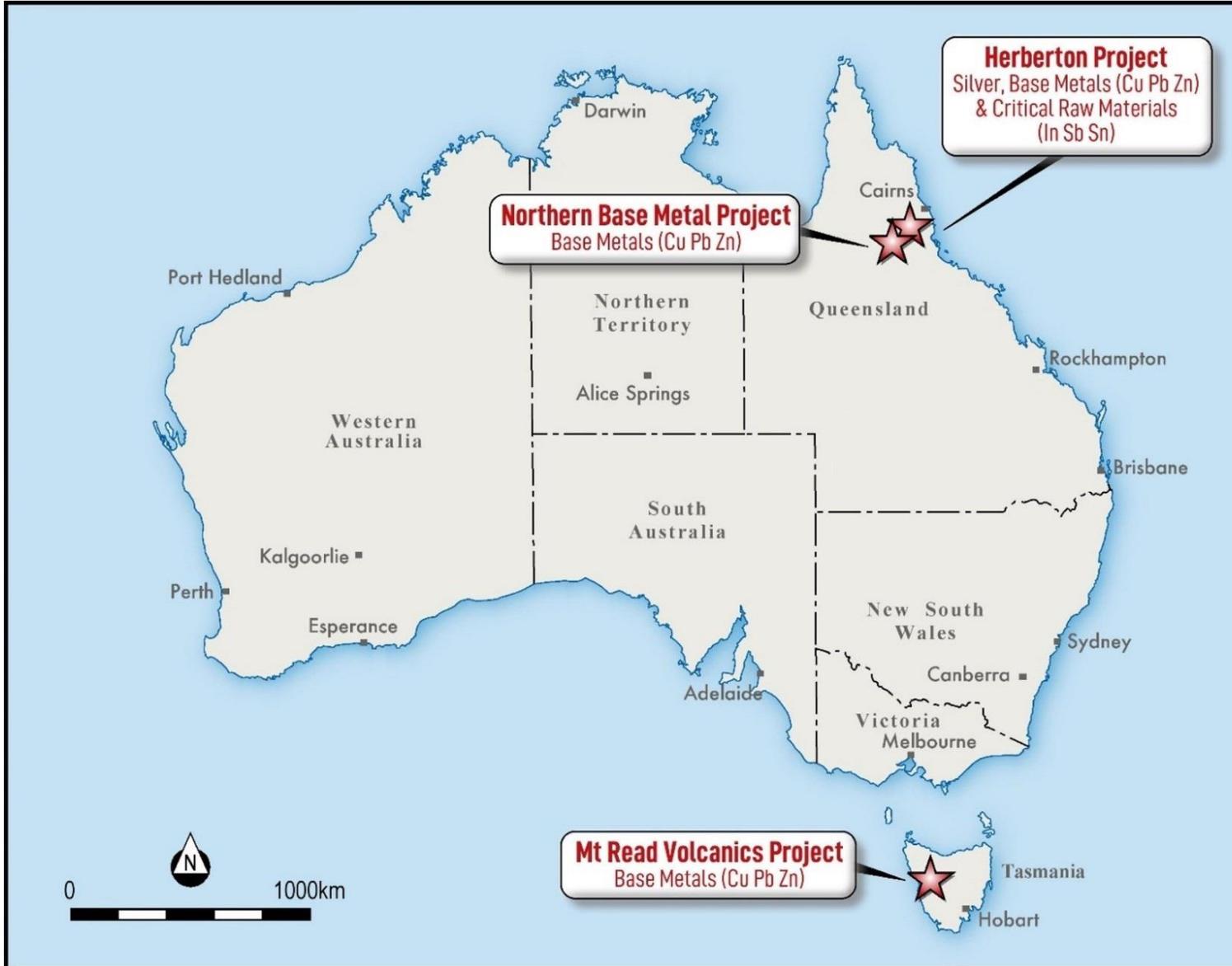
Share price (12 Nov 2024)	\$0.17
Shares on issue	52.1 million
Unlisted options	16.4 million
Market capitalisation	\$8.9 million
Cash (30 Sep 2024)	\$3.5 million
Enterprise value	\$5.4 million

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 built a highly attractive portfolio of advanced Australian Critical Mineral Projects
- Targeting critical minerals essential for clean energy technologies

Herberton Project (North QLD)

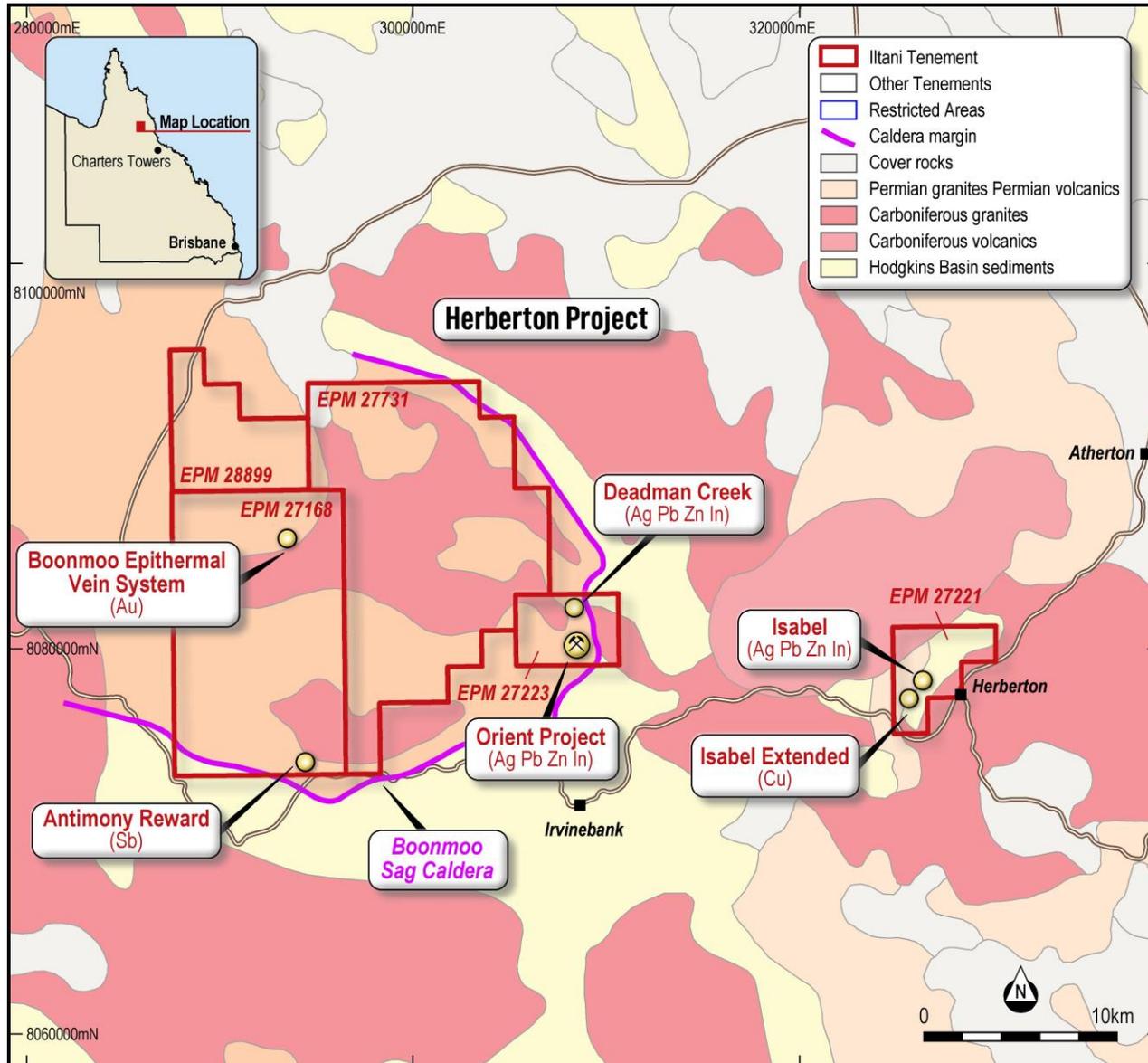
- 5 Exploration Permits & 1 Application
- Silver, zinc, lead & copper
- Indium, antimony & tin

Northern Base Metal Project (North QLD)

- 1 Exploration Permit
- Copper, lead, zinc & precious (AuAg)

Mount Read Volcanics Project (TAS)

- 2 Exploration Licences
- Copper, lead, zinc & precious (AuAg)



- Key tenement holding in the Herberton Mineral Field covering approx. 330km²
- Highly prospective terrain with a long history of mining
- Tin deposits were discovered in Herberton in 1880 and over 2,400 old mines and prospects are 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 – Iltni first to drill at Orient since minor exploration during the 1980’s.
- 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 Silver-Indium Project

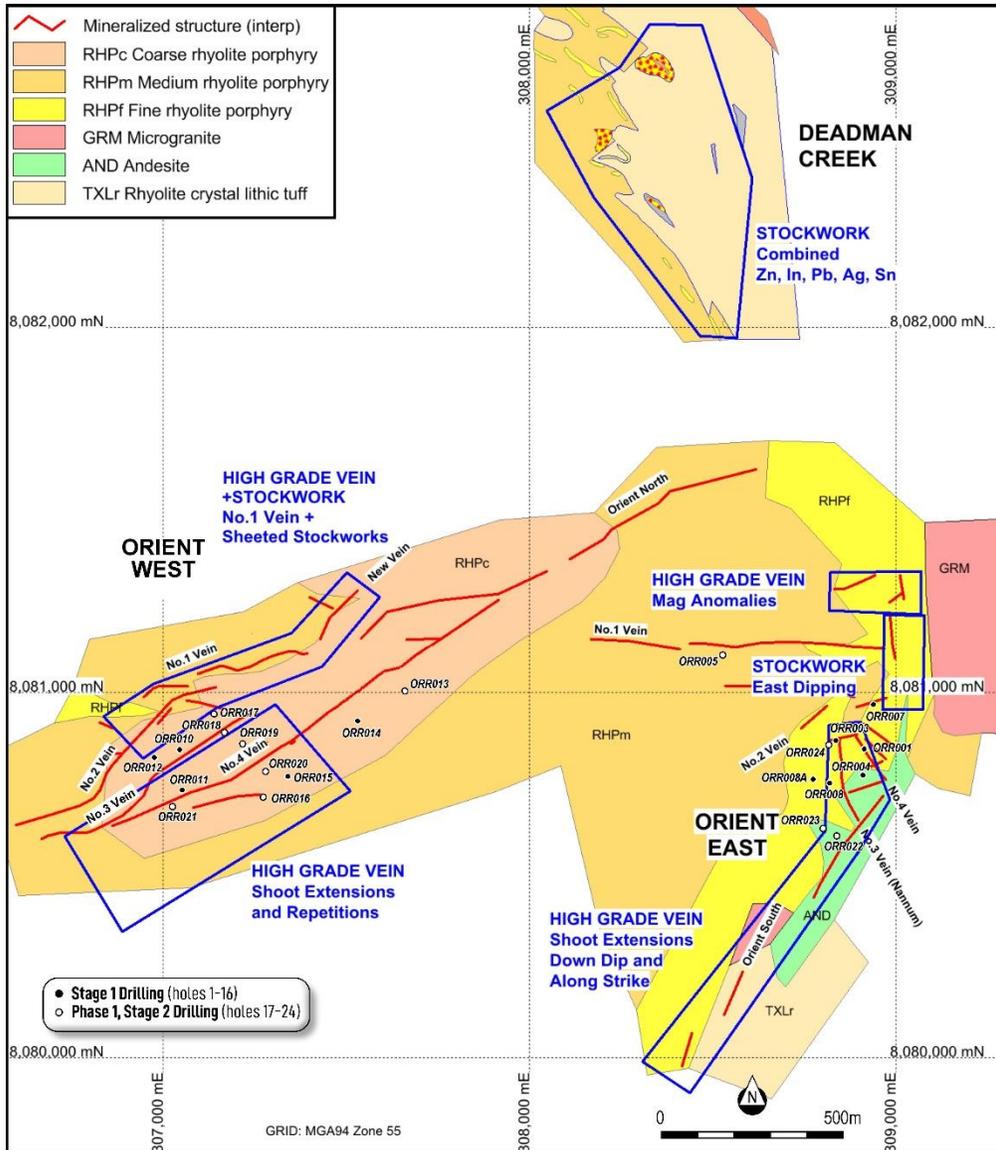
- Ittani has completed 33 RC holes and 1 Diamond Drill Hole since June 2023 (assays received)
- Orient West: 22 RC holes for 4,406m drilled – Exploration Target estimated
- Orient East: 10 RC holes for 1,098m drilled
- Geophysical Target: 1 RC hole for 252m drilled
- Deep Diamond Drillhole: 1 DDH for 794m drilled
- *Currently drilling at Orient East then rig will move to Orient West*

Antimony Reward

- Completed 18 RC holes for 1,898m drilled
- Best intersection to date of 7m @ 7.61% Sb from 38m
- *Assays pending for remaining 10 RC holes (986m drilled)*

Reconnaissance Mapping and Sampling

- Boonmoo Bonanza epithermal gold system
- Deadmans Creek Ag-Pb-Zn-In stockwork system



- 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 6km² area
- Zoned hydrothermal alteration (phyllic, argillic & propylitic) surrounding mineralisation
- Three main target areas:
 - Orient West
 - Orient East
 - Deadman Creek
- Mined from 1886 to 1924, with extensive (>200) historical workings that targeted high-grade direct shipping silver-lead oxide ore
- Ore hand-picked and sorted; only highest grade ore transported

- Multiple outcropping vein systems and stockwork zones intersected at Orient West and East
- High-grade sulphide rich veins (up to 10m thick) surrounded by lower grade stockwork/veinlet zones (up to 70m thick)
- Open at depth (deepest intersection to date at ~300m vertical depth in deep diamond hole) and along strike
- Vein systems continue under more recent cover

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
ORR003	39	80	41	36	0.8%	0.8%	5	108

inc.
inc.

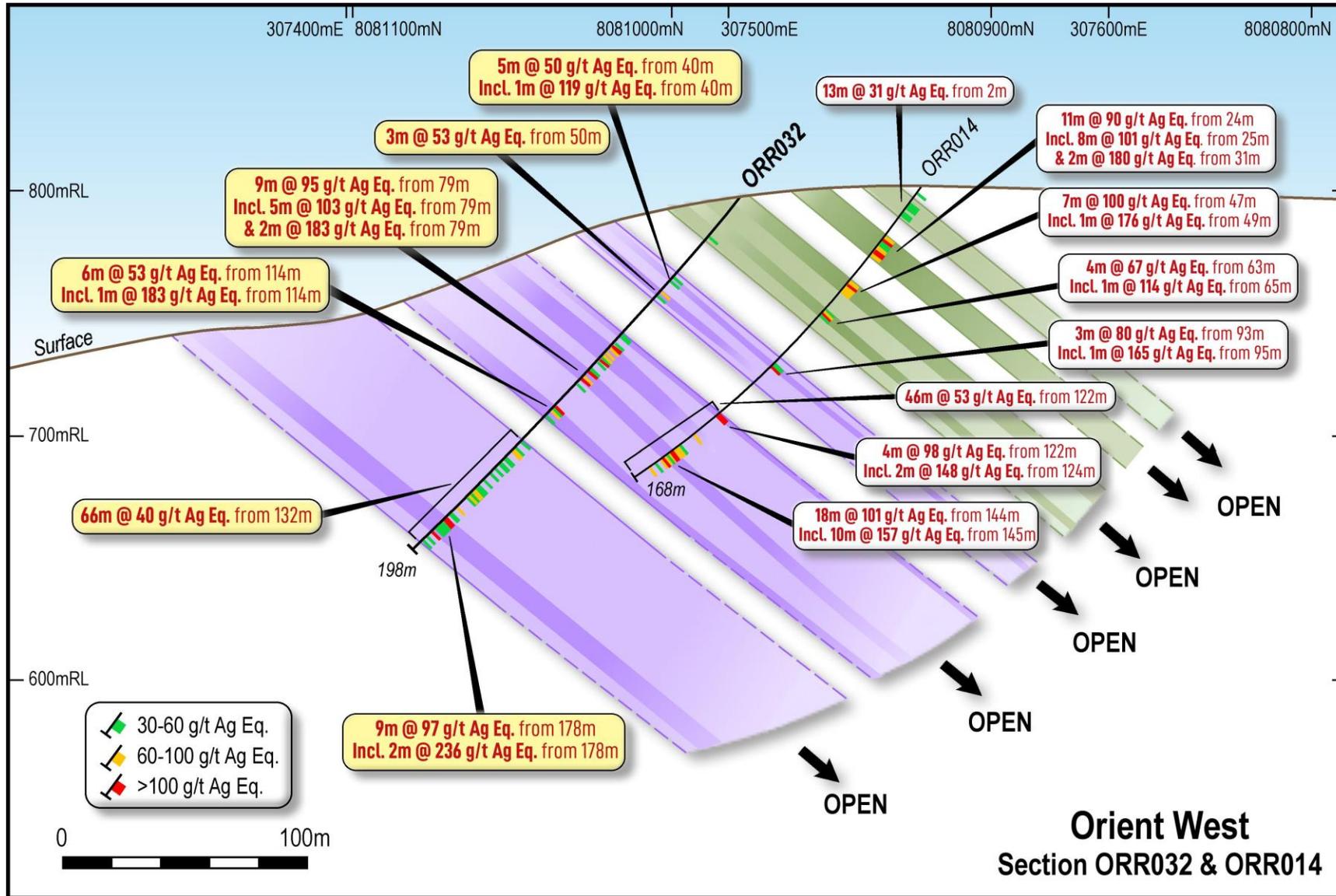
From (m)	To (m)	Intersect (m)	Ag g/t	Pb %	Zn %	In g/t	Ag Eq. g/t
27	34	7	180	3.0%	3.3%	12	455
59	64	5	122	2.5%	2.5%	27	346

Orient West

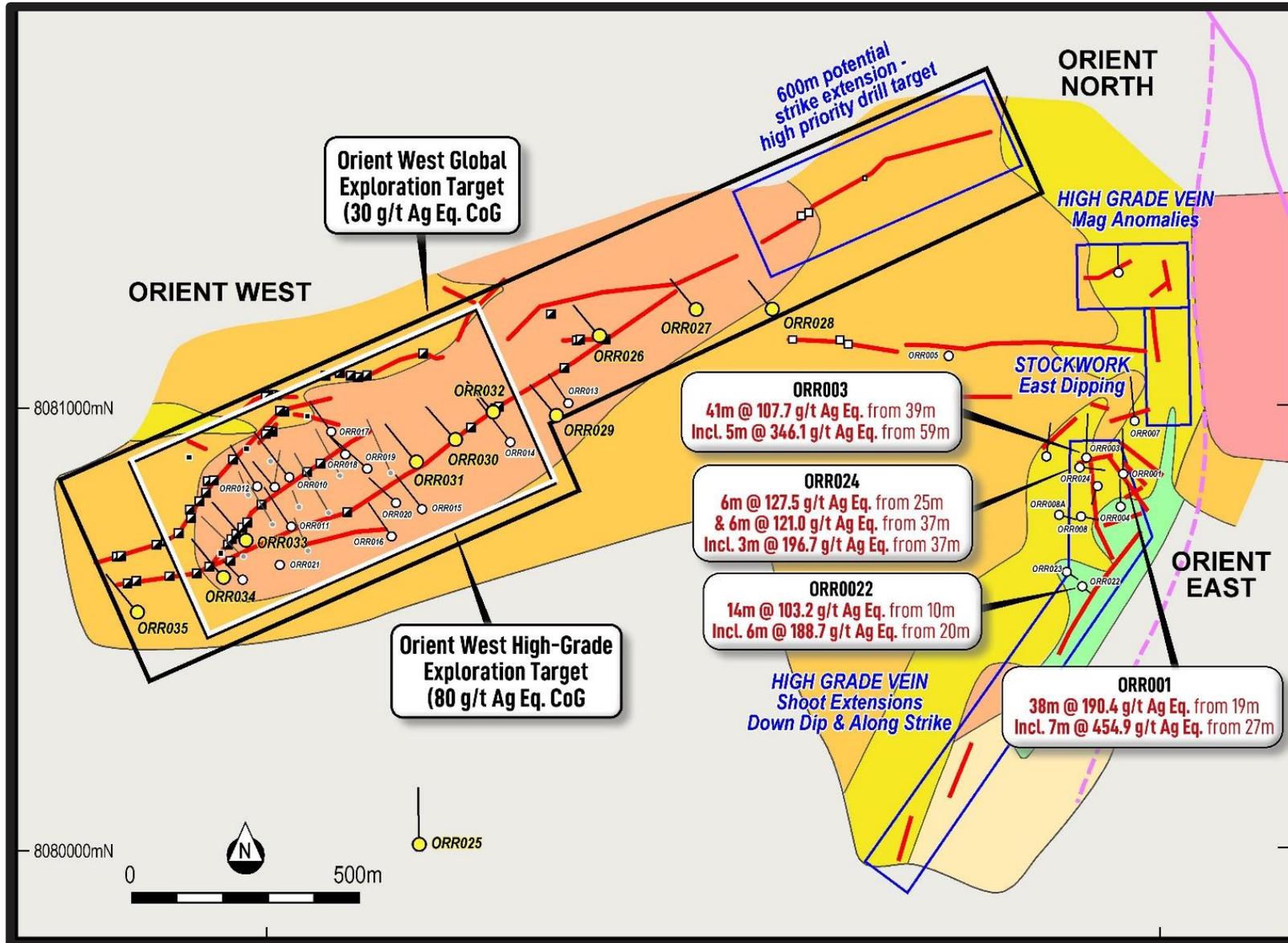
Hole	From (m)	To (m)	Intersect (m)	Ag g/t	Pb %	Zn %	In g/t	Ag Eq. g/t
ORR010	60	101	41	35	0.7%	1.0%	35	125
ORR030	23	32	9	67	1.3%	3.4%	142	348

inc.
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

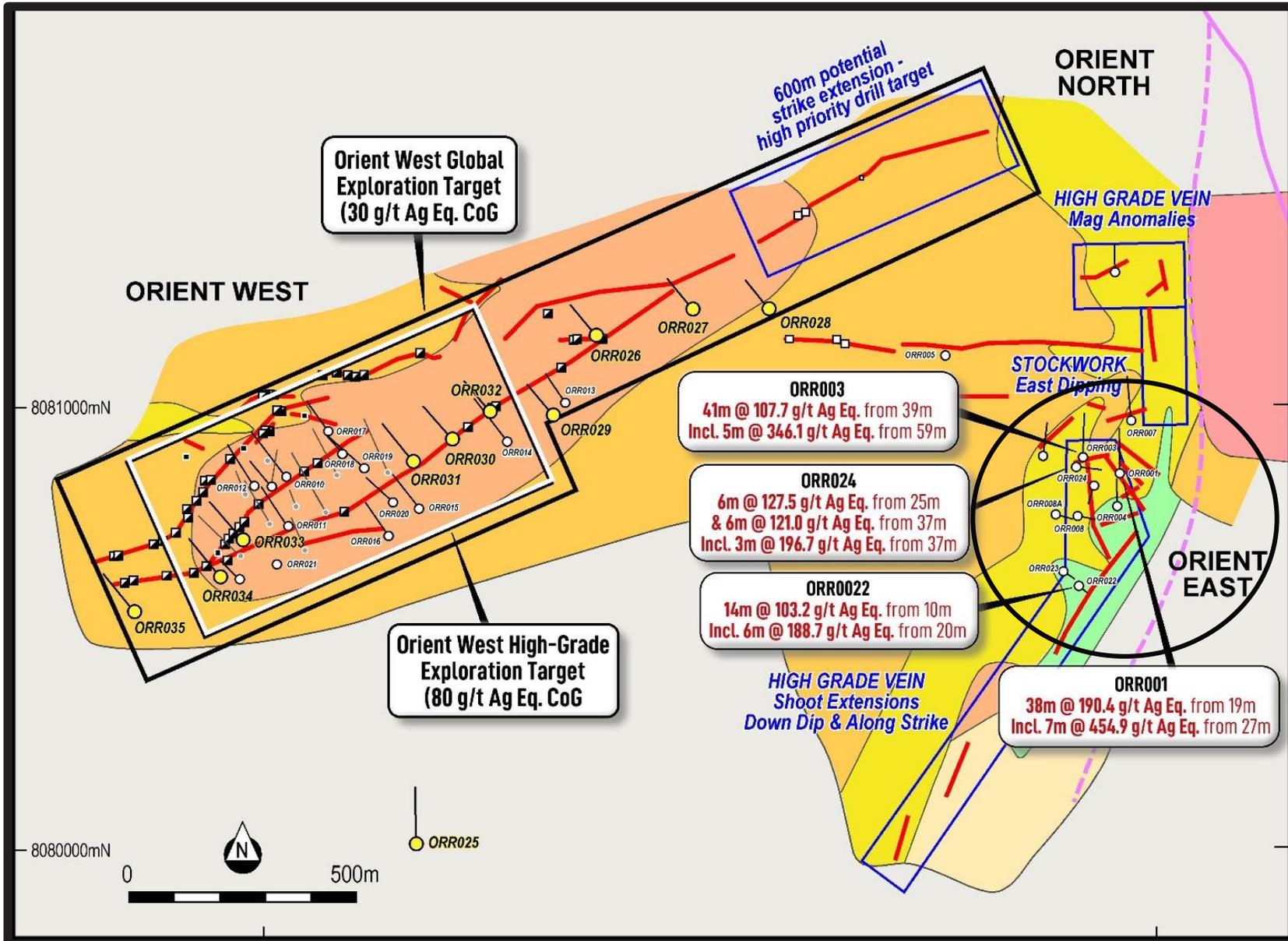


- Stacked vein system – at least six vein systems identified to date
- Outcrop along ridge line
- High grade core (900m strike) within a larger (>2,000m) zone
- Open along strike and depth



Orient West Exploration Target
74 to 100 Mt @ 55 – 65 g/t Ag Eq. inc. high-grade core of 20 to 24 Mt @ 110 – 120 g/t Ag Eq.

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')



- Initial drill program (10 RC holes) confirmed presence of a 400m x 500m stockwork comprising multiple intersecting vein systems
- Two dominant orientations (N-S and E-W)
- Follow up drilling commenced in October 2024
- To date 17 holes completed (2,701m) with 5 holes (775m) to be drilled
- 1,013 samples to lab – assays pending
- Drilling aims to define an Exploration Target for Orient East

Orient East
400m x 500m and growing

ORR001 Orient East
38m @ 190.4 g/t Ag Eq.
from 19m inc. 7m @ 454.9
g/t Ag Eq. from 27m & 39m
@ 79.2 g/t Ag Eq. from
81m

Approx. 1,000m to Orient
East

600m+ strike extension
to NW

ORR028 Orient West
10m @ 68.8 g/t Ag Eq. from
21m inc. 2m @ 154.1 g/t Ag Eq.
from 22m

1,500m drilled strike to SE



CY2024

- Finish current Orient East drill program and generate an Exploration Target
- Move rig to Orient West to start JORC Resource infill drill program
- Review and update deposit models with assays during the wet season in preparation for CY2025

CY2025

- Complete Orient West JORC Resource infill drill program
- Commence Orient East JORC Resource infill drill program
- Deeper drilling (300-400m depth) to confirm high-grade UG potential
- Orient conceptual development study
- Next phase of drilling at Antimony Reward
- Boonmoo Bonanza epithermal gold exploration



Five Reasons to Invest in Iltani

- **Highly experienced management team with a track record of value creation**
- **Projects targeting the key critical minerals required for clean energy technologies**
- **Advancing Orient – Australia’s largest silver-indium discovery and growing – clear pathway to material value**
- **Fully funded to deliver planned exploration program**
- **Exciting news flow will drive the share price**



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Metallurgical Equivalent Calculation

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

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