



**ILTANI**  
RESOURCES



**FOCUSED ON THE DISCOVERY AND  
DEVELOPMENT OF CRITICAL RAW  
MATERIALS & METALS NECESSARY  
FOR A CLEAN ENERGY FUTURE**

**ILTANI SHARECAFE WEBINAR DECEMBER 2023**



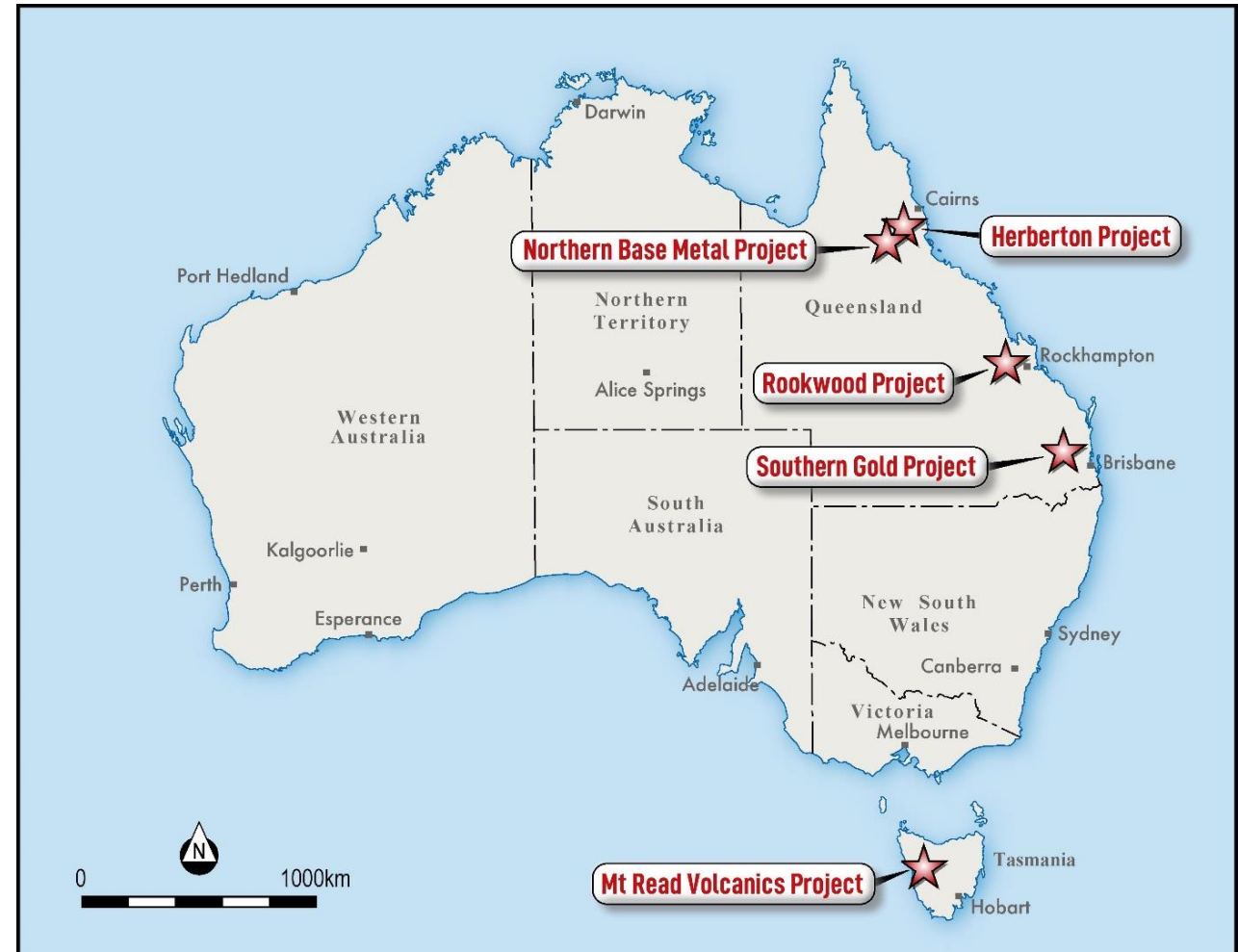
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# Company Overview

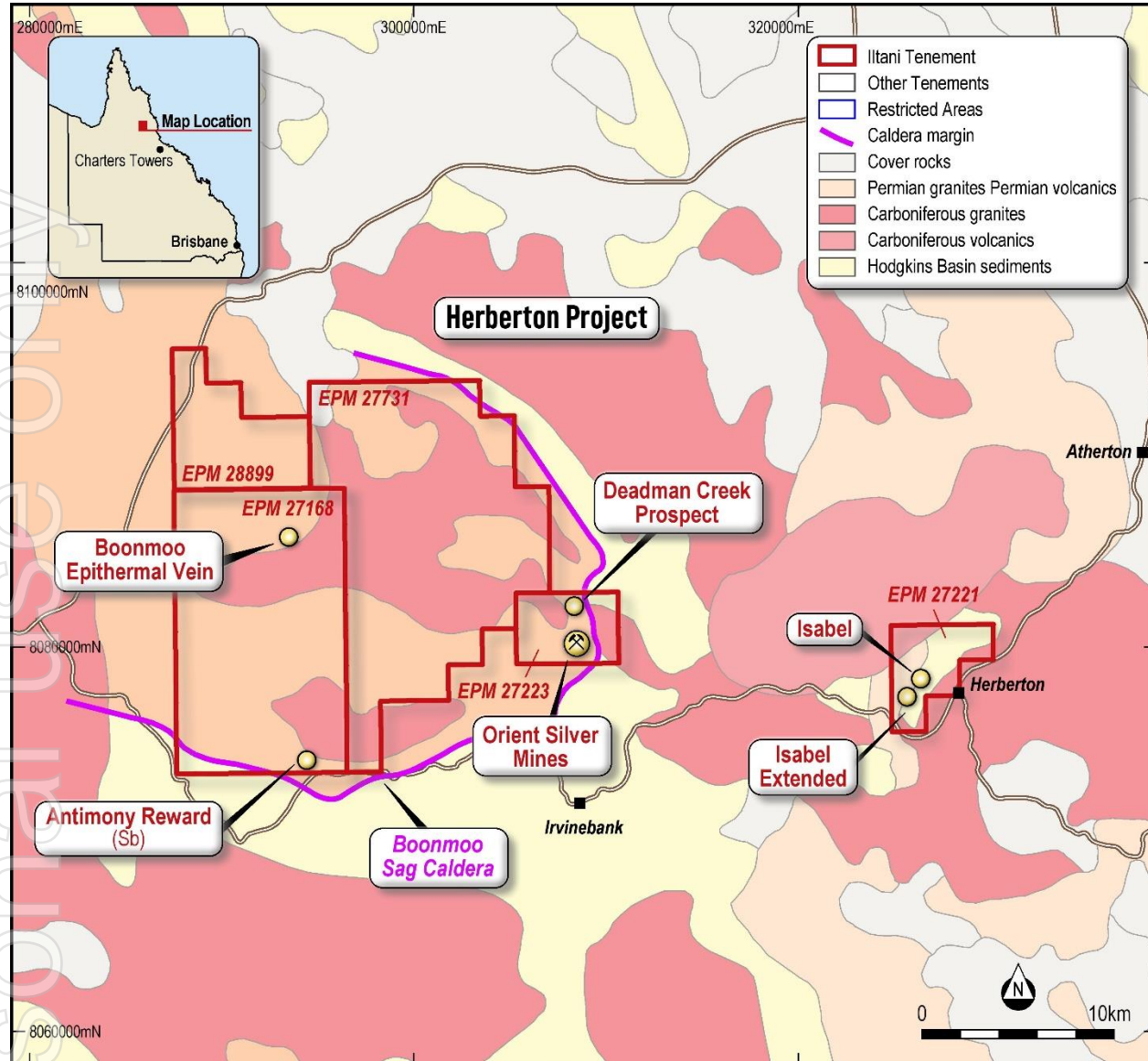
- ASX-listed resource company focused on the discovery and development of critical raw materials and base metals required to build our low emission future
- Completed ASX listing on 30 June 2023 – raising \$5m in cash

ASX: ILT	
Share price	\$0.14
Shares on issue	41.8 million
Unlisted options	15.4 million
Market capitalisation	\$5.8 million
Cash (30 Sep 2023)	\$3.6 million
Enterprise value	\$2.2 million
Shareholder Structure	
Board & Management	9.3%
Top 20 (excl Board & Management)	45.4%
Board & Management	
Non-Executive Chairman	Anthony Reilly
Managing Director	Donald Garner
Non-Executive Director & Co. Secretary	Justin Mouchacca
Technical Advisor	J. Bruce Gemmell





# Herberton Project



- Herberton Project covers 300km<sup>2</sup> across four permits plus one application
- Orient Stage 1 RC drilling program completed (14 holes for 2,034m)
- Orient Stage 2 RC drilling program underway (23 holes for approx. 3,500m)



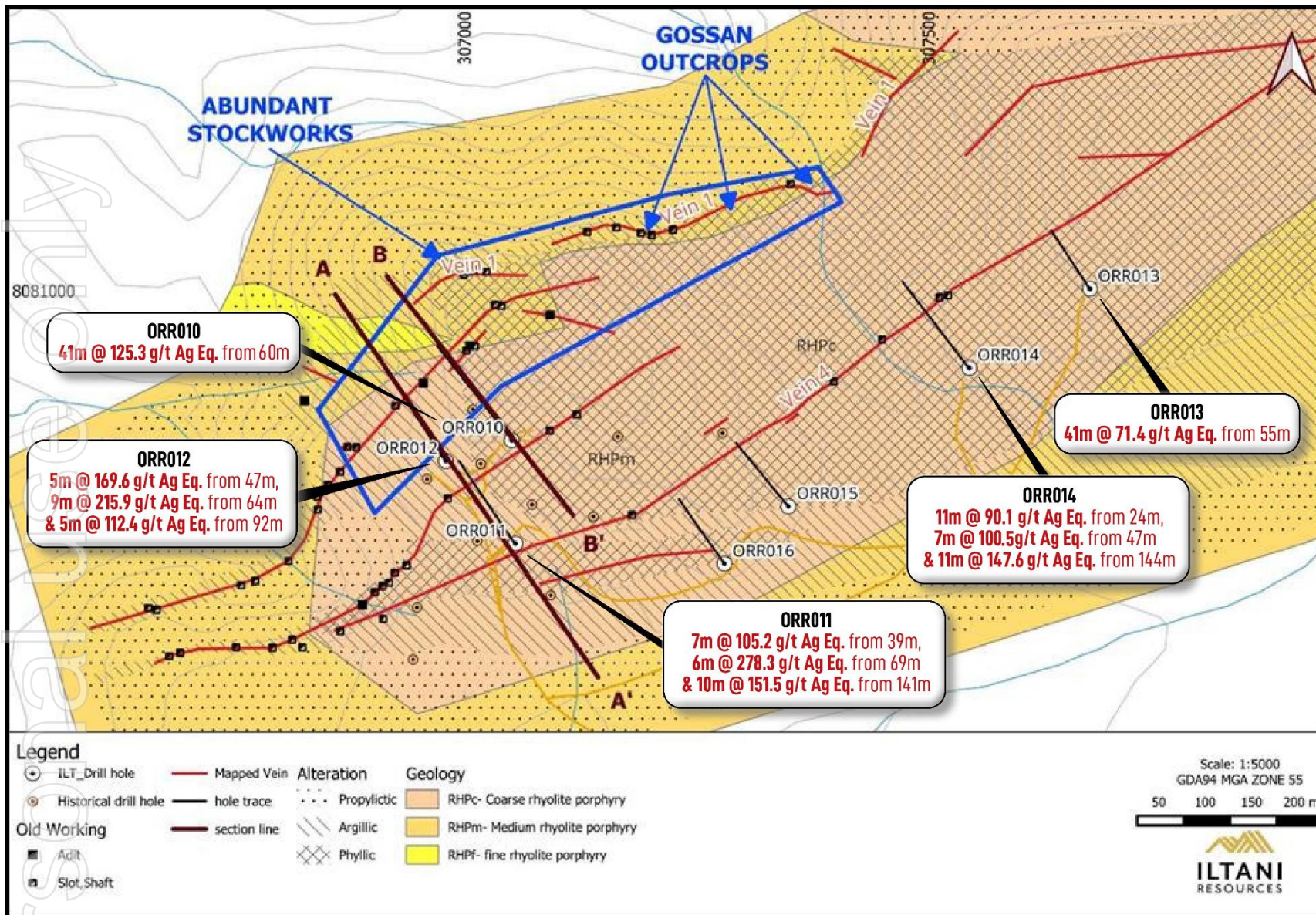




- Orient is an extensive **precious metal-rich epithermal system** with a likely intrusion (porphyry) at depth
- Strong similarities to the large Bolivian **Ag-Zn-Pb-In-Sn** systems
- Hosts multiple **high-grade zinc-lead-silver-indium veins and stockworks** outcropping over at least a 4km<sup>2</sup> area
- **Zoned hydrothermal alteration** (phyllic, argillic & propylitic) surrounding mineralisation
- Mined from 1886 to 1924, with extensive (>200) historical workings – targeted high grade direct shipping silver-lead oxide ore



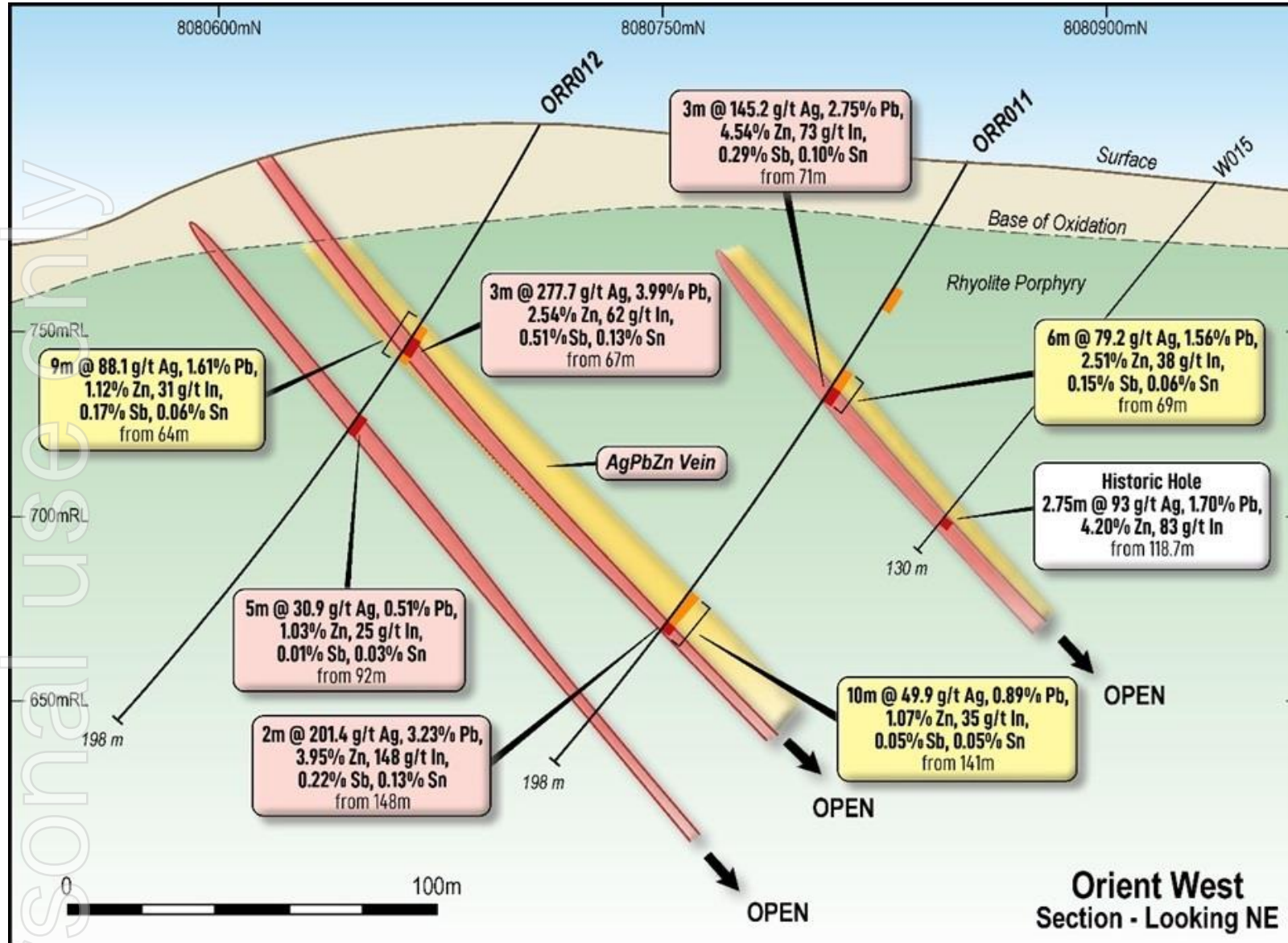
# Orient West – Stage 1 RC



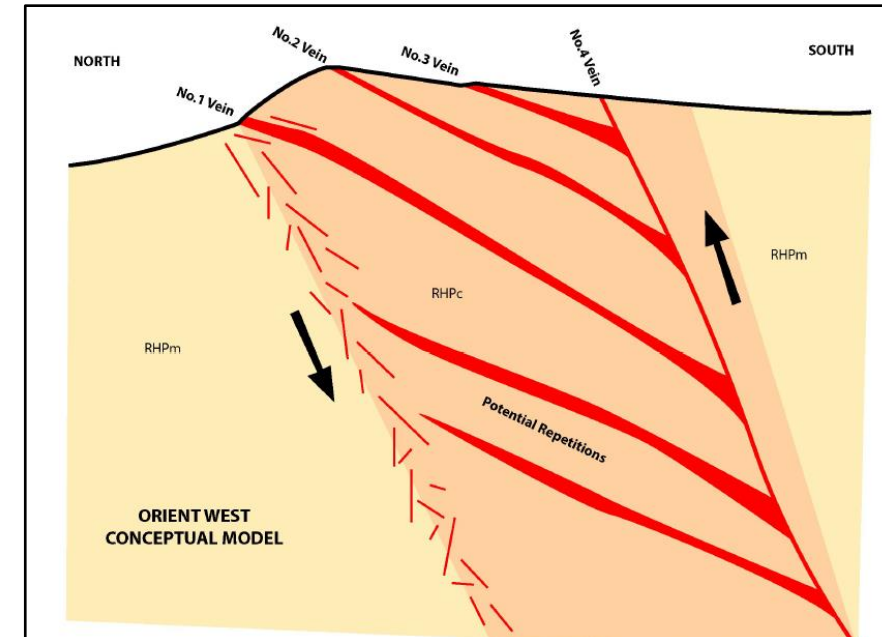
- Orient West Stage 1 RC program – 7 holes (1,224m)
- Drilling intersected multiple high-grade vein systems with extensive lower grade mineralisation
- **ORR010:** 41m @ 125.3 g/t Ag Eq. (34.8 g/t Ag, 0.69% Pb, 0.99% Zn & 35 g/t In) from 60m down hole
- inc. 5m @ 206.6 g/t Ag Eq. (74 g/t Ag, 1.5% Pb, 1.1% Zn & 47 g/t In) from 67m down hole
- and 6m @ 350.9 Ag Eq. (89 g/t Ag, 1.36% Pb, 3.00% Zn & 135 g/t In) from 90m down hole
- All mineralisation intersected – open down dip and along strike



# Orient West

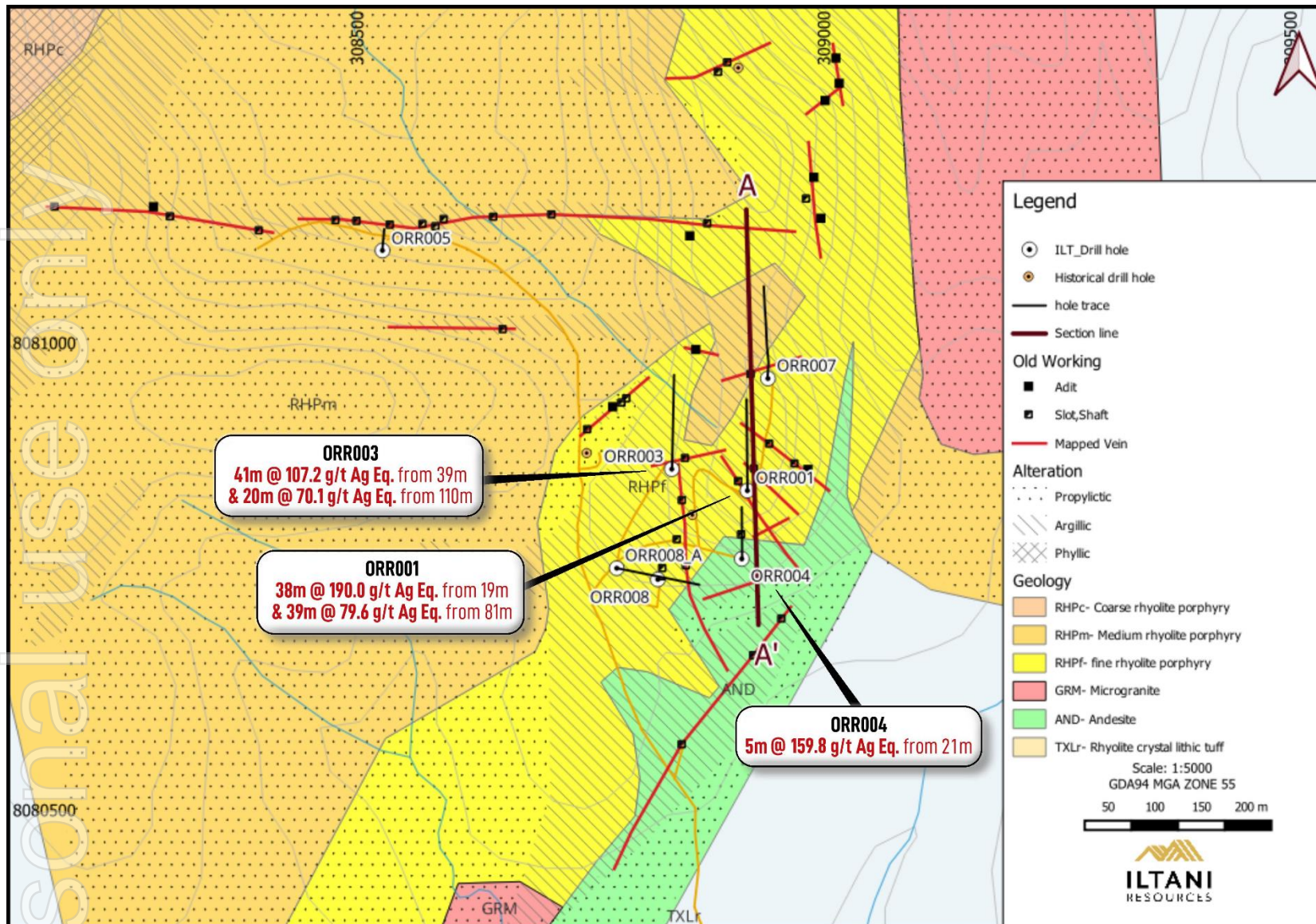


- Orient West believed to represent a large-scale tension vein array
- Outstanding potential as system is open along strike (SE/NW) and at depth
- Mapping has highlighted extensive stockwork mineralisation – will be drilled in Stage 2



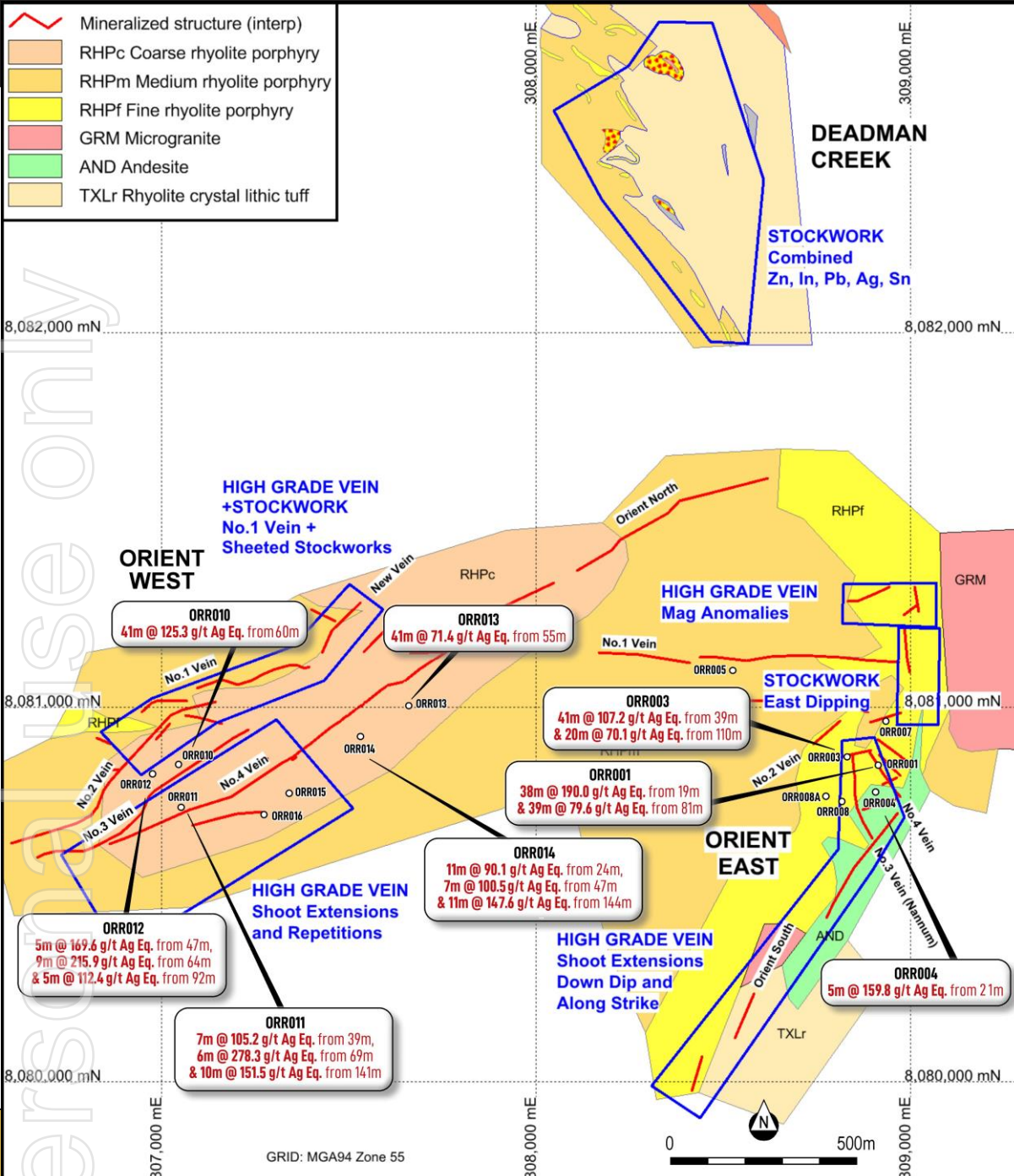


# Orient East – Stage 1 RC



- Orient East Stage 1 RC program – 7 holes (804m)
- Drilling intersected multiple high grade vein systems associated with extensive lower grade mineralisation
- ORR001: 38m @ 190.0 g/t Ag Eq. (68.6 g/t Ag, 1.29% Pb, 1.44% Zn & 2 g/t In) from 19m down hole
- inc. 7m @ 454.4 g/t Ag Eq. (179.5 g/t Ag, 2.99% Pb, 3.25% Zn & 12 g/t In) from 27m down hole
- and 39m @ 79.6 g/t Ag Eq. (22.4 g/t Ag, 0.58% Pb, 0.71% Zn & 2 g/t In) from 81m down hole
- All mineralisation intersected – open down dip and along strike





- Orient is a large-scale (4km<sup>2</sup>) mineralised system
- Stage 1 RC drilling has barely scratched the surface at Orient West & East
- Drilling to date has delivered material intercepts (30 to 40m thickness) of silver-lead-zinc-indium mineralisation at potentially open pittable depths at Orient West and East
- All mineralisation intercepted is open at depth and strike
- Stage 2 RC drilling underway – aim to extend mineralisation at Orient West & East plus test multiple stockwork targets
  - Stage 2 P1 – before the wet (early Dec)
  - Stage 2 P2 – after the wet (Q1 2024)
- Looking to build the mineralisation to support a large-scale bulk tonnage open pit resource



# Silver & Indium – A Unique ASX Exposure

- Historical metallurgical test work indicates that Orient can produce a lead-silver concentrate (48% Pb & 2,250g/t Ag) and a zinc-indium concentrate (47-48% Zn, 2,000 g/t In & 200 g/t Ag)
- Highlights Orient's potential to become one of Australia's largest producers of silver and indium – a unique ASX exposure

## Indium – Critical Raw Material

- Indium is defined as a critical raw material based on its strategic end uses and potentially constrained supply
- Indium tin oxide (ITO) continues to account for most global indium consumption. ITO thin film coatings are used for electrically conductive purposes (touch screens) in a variety of flat-panel displays
- Also used in night vision equipment, aerospace alloys, solders and solar cells
- Current indium price of ~US\$350/kg (99.99% indium)

## Silver – Increasing Demand Driver by Decarbonisation and Electrification

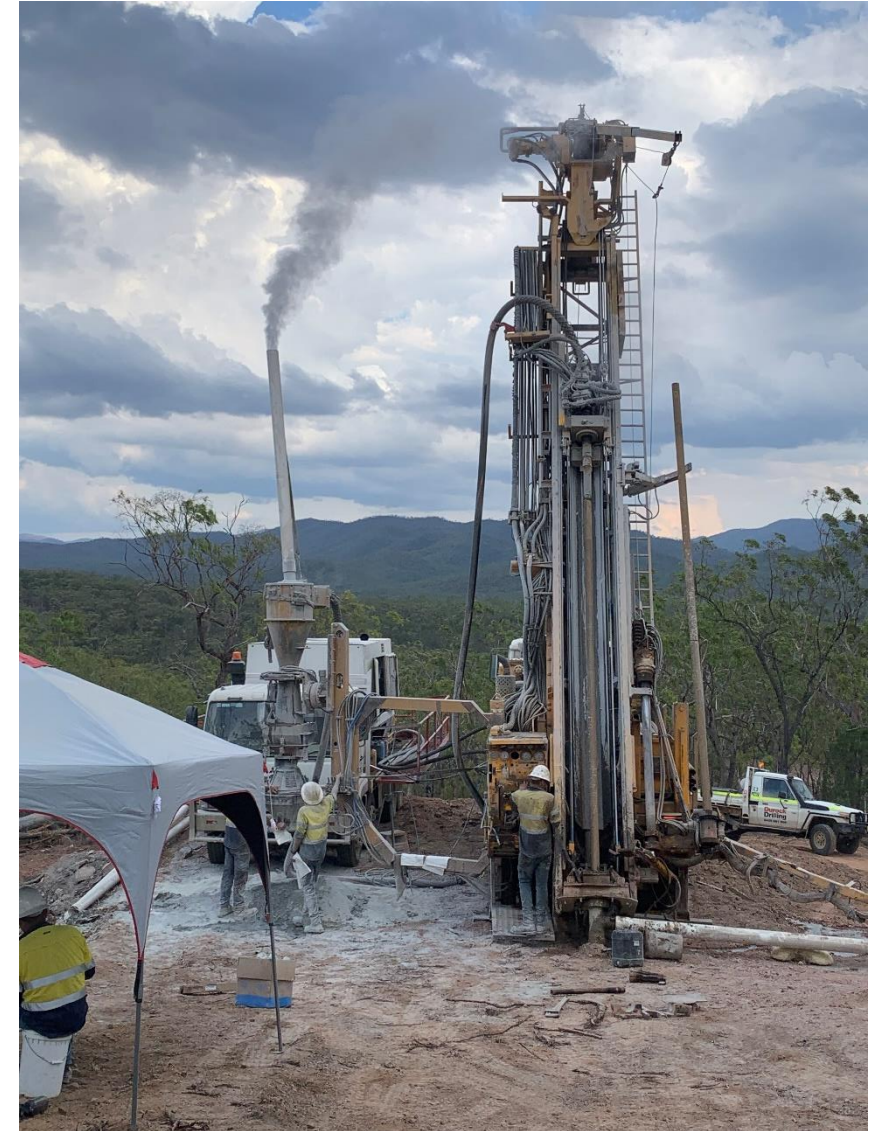
- Traditional store of wealth – 20% of global demand (coins and bars)
- Every solar panel contains ~ 1oz Ag, every EV contains ~2oz Ag
- 2023F global demand of 1.2 billion oz
- Solar panels and EVs to increased demand by >200 million oz Ag from 2025

- The ability to position Orient as a critical raw materials development project will allow Itani to potentially access significant funding going forwards.



# Activity for the next 12 months

- **Ittani is fully funded as we continue to actively explore our portfolio over the next 12 months**
- **Focus will be on Orient, which we will continue to explore and expand**
  - Stage 2 drilling program – extend known mineralisation and target stockwork targets
  - P1 underway, P2 drill after the wet season
  - Deadman Creek stockwork target
  - Drilling to test deeper geophysical anomalies which could be mineralisation intrusion at depth
- **Advance our other exciting projects in Herberton**
  - Isabel (Australia's highest grade indium deposit) & Isabel Extended (Cu rich massive sulphide)
  - Boonmoo epithermal vein system
  - Antimony Reward antimony deposit
- **Plus, we also have our Northern Base Metal Project and the Mount Read Volcanics Project in Tasmania**





# Project Portfolio

Project		Target Mineralisation Style	Notable Results
Herberton	Orient	Large scale epithermal – porphyry system	<ul style="list-style-type: none"> <li>ORR001: 38m @ 190.0 g/t Ag Eq. from 19m inc. 7m @ 454.4 g/t Ag Eq. from 27m and 39m @ 79.6 g/t Ag Eq. from 81m down hole</li> <li>ORR010: 41m @ 125.3 g/t Ag Eq. from 60m inc. 5m @ 206.6 g/t Ag Eq. from 67m &amp; 6m @ 350.9 Ag Eq. from 90m down hole</li> </ul>
	Isabel	High grade massive sulphide pipe	<ul style="list-style-type: none"> <li>Low tonnage / high grade non JORC historical resource</li> </ul>
	Isabel Extended	Polymetallic massive sulphide system Last drilled in 1981	<ul style="list-style-type: none"> <li>MIED3: 2.3m @ 2.0% Cu, 1.0% Pb, 13.2% Zn &amp; 409 g/t Ag from 91.08m down hole</li> <li>MIED1: 7.25m @ 3.1% Cu &amp; 173 g/t Ag from 182.13m down hole</li> </ul>
	Antimony Reward	High grade Sb vein system Last drilled in 2008	<ul style="list-style-type: none"> <li>ARRC006: 3.0m @ 3.49% Sb from 62.0m</li> <li>ARRC010: 12.0m @ 2.73% Sb from 29.0m</li> <li>ARRC012: 5.0m @ 3.21% Sb from 19.0m</li> </ul>
	Boonmoo	Epithermal Au system	<ul style="list-style-type: none"> <li>Discovery rock chip BM025: 7.85 g/t Au &amp; 2.17 g/t Ag</li> </ul>
Northern Base Metal	Mt Mist	Broken Hill Type sulphide deposit Last drilled in 2011/2012	<ul style="list-style-type: none"> <li>RC94MB10: 9m @ 1.2% Cu, 8.0% Pb, 12.6% Zn &amp; 101 g/t Ag from 33m down hole</li> <li>MM11-006: 22m @ 0.5% Cu, 3.1% Pb, 5.1% Zn &amp; 52 g/t Ag from 93m down hole</li> </ul>
	Frehurst	Copper sulphide vein system Last drilled in 1995	<ul style="list-style-type: none"> <li>RC95FR9: 3m @ 5.8% Cu &amp; 136 g/t Ag from 31m down hole</li> </ul>
Mount Read Volcanics	MRV	Volcanic hosted massive sulphide (VHMS) deposits	<ul style="list-style-type: none"> <li>BOC3: 4.1m @ 11.1% Zn, 4.5% Pb &amp; 68 g/t Ag from 467m down hole</li> <li>Multiple VHMS targets</li> </ul>
Iltani exploration results			





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# Disclaimer

## 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 Carlos Duran 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 Duran consents to the inclusion in this report of the matters based on the 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](http://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
13 October 2023	Ittani hits wide intersections of silver-lead-zinc-indium-antimony-tin mineralisation at Orient
24 October 2023	Ittani confirms significant new discovery of silver-lead-zinc-indium-antimony-tin system at Orient, QLD