

ASX ANNOUNCEMENT

ABOUT CALIDUS RESOURCES

Calidus Resources is an ASX listed gold producer that is ramping up the 1.7Moz Warrawoona Gold Project in the East Pilbara district of Western Australia.

DIRECTORS AND MANAGEMENT

Mr Mark Connelly
NON-EXECUTIVE CHAIRMAN

Mr David Reeves
MANAGING DIRECTOR

Mr John Ciganek
NON-EXECUTIVE DIRECTOR

Ms Kate George
NON-EXECUTIVE DIRECTOR

Mr Paul Brennan
PROJECT DEVELOPMENT

Mr Richard Hill
CHIEF FINANCIAL OFFICER

Ms Julia Beckett
COMPANY SECRETARY

calidus.com.au

21 July 2022

Noosa Mining Investor Conference Presentation

Calidus Resources Limited (ASX: CAI) advises that Managing Director, Mr Dave Reeves, will be presenting at Noosa Mining Investor Conference at 10:00am AEST today, 21 July 2022, in Queensland.

The presentation associated with this event is attached and is also available on the Company's website:

www.calidus.com.au

This announcement has been authorised by the Managing Director.

For further information please contact:

Dave Reeves
Managing Director

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ASX : CAI

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West Perth WA 6005
AUSTRALIA

WARRAWOONA GOLD PROJECT

AUSTRALIA'S NEWEST GOLD PRODUCER AND LITHIUM EXPLORER

TARGETING 130,000 OZ PA | INVESTOR PRESENTATION | NOOSA MINING CONFERENCE - JULY 2022

ASX:CAI



DISCLAIMER



DISCLAIMER

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COMPLIANCE STATEMENT - WARRAWOONA GOLD PROJECT

The information in this presentation that relates to Exploration Results, Mineral Resources, Ore Reserves and Production Targets (and the forecast financial information derived from the production targets) at the Warrawoona Gold Project has been previously released to the ASX on 29 September 2020. The Company confirms it is not aware of any new information that materially affects the announcement and that all material assumptions underpinning the Exploration Results, Mineral Resources, Mineral Ore Reserves and Production Targets (and the forecast financial information derived from the production targets) continue to apply and have not materially changed.

COMPLIANCE STATEMENT-BLUE SPEC GOLD / ANTIMONY PROJECT

The information in this presentation that relates to Exploration Results and Mineral Resources at the Blue Spec Gold / Antimony Project has been previously released to the ASX on 2 October 2020. Further exploration results reported in this presentation were first announced on 8 November 2021 and 2 June 2022. The Company confirms it is not aware of any new information that materially affects the announcements and that all material assumptions underpinning the Exploration Results and Mineral Resources continue to apply and have not materially changed.

COMPLIANCE STATEMENT- PIRRA LITHIUM

The information in this presentation that relates to Exploration Results at the Spear Hill Project have been previously released to the ASX on 8 March 2022 and 11 May 2022. The Company confirms it is not aware of any new information that materially affects the announcements.

Demerger – The potential demerger of Pirra Lithium remains subject to various conditions, including entry into a formal demerger agreement, tax and regulatory requirements and shareholder approval.

AUSTRALIA'S NEWEST GOLD PRODUCER

RAMPING UP GOLD PRODUCTION AND ACCELERATING LITHIUM EXPLORATION

Warrawoona Gold Project (WGP)

- **Stage 1** – Ramping up production, targeting 90koz pa
 - Processing plant commissioned and first gold poured in May 2022
 - Steady state production targeted during Q3 CY2022
- **Stage 2** - Expansion to increase production to 130koz pa
 - Scheduled to commence in H1 CY2023
 - Development funded through operational cashflows
- Increase existing 547koz Reserve and 1.7Moz Resource Base through near-mine and regional exploration to extend mine life



- 1,063km² of highly prospective tenure in the Pilbara, Western Australia
- Outcropping lithium pegmatites identified over a combined 4.3km strike length
- Rock chip confirm discovery at Spear Hill, assay grades up to 2.75% Li₂O
- Maiden drill program completed to initially test 1.2km of strike
- Calidus to assess demerging into a standalone lithium vehicle by end of CY2022



CORPORATE SUMMARY

CAPITAL STRUCTURE

Shares on Issue	407.5M
Market Cap (Share price of \$0.61 at 15 July 2022)	\$249M
Cash (31 Mar 2022)	\$25M
Debt (31 Mar 2022)	\$106M
Listed Investments (31 Mar 2022)	\$218K
Options	9.1M

ANALYST COVERAGE

	Paul Howard
	Michael Scantlebury
	Rex Adams

ANALYST

BOARD OF DIRECTORS & MANAGEMENT



Mark Connolly
Non-Executive
Chairman



Richard Hill
Chief Financial
Officer



David Reeves
Managing
Director



Julia Beckett
Company
Secretary



John Ciganek
Non-Executive
Director



Paul Brennan
Project
Development

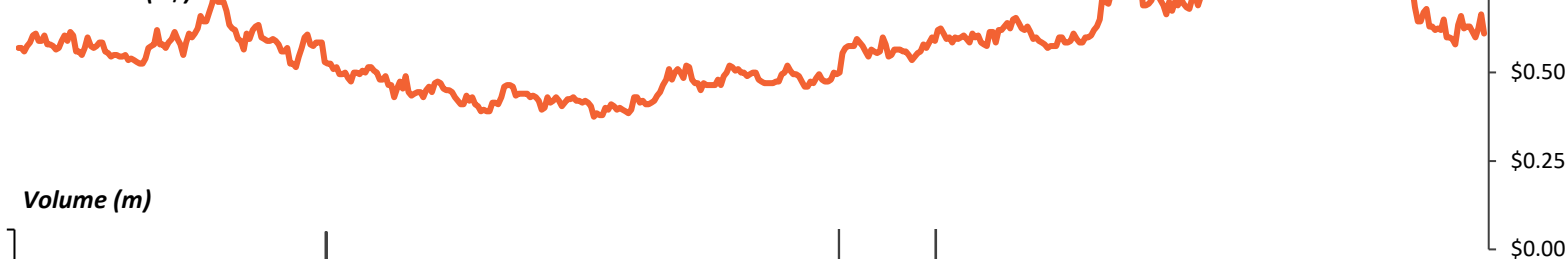


Kate George
Non-Executive
Director

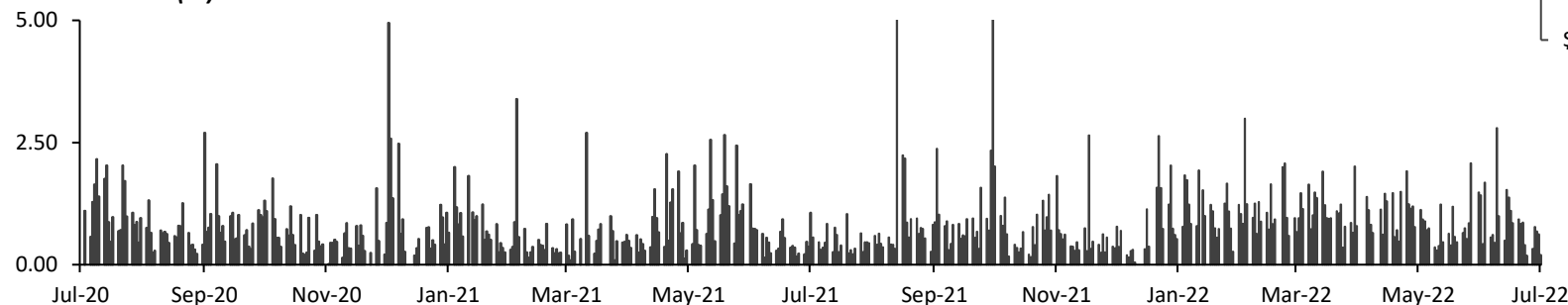


Don Russell
GM
Operations

Share Price (A\$)



Volume (m)



TOP SHAREHOLDERS

% HOLDING

Alkane Resources (ASX:ALK)	9.4%
Board & Executives	5.2%

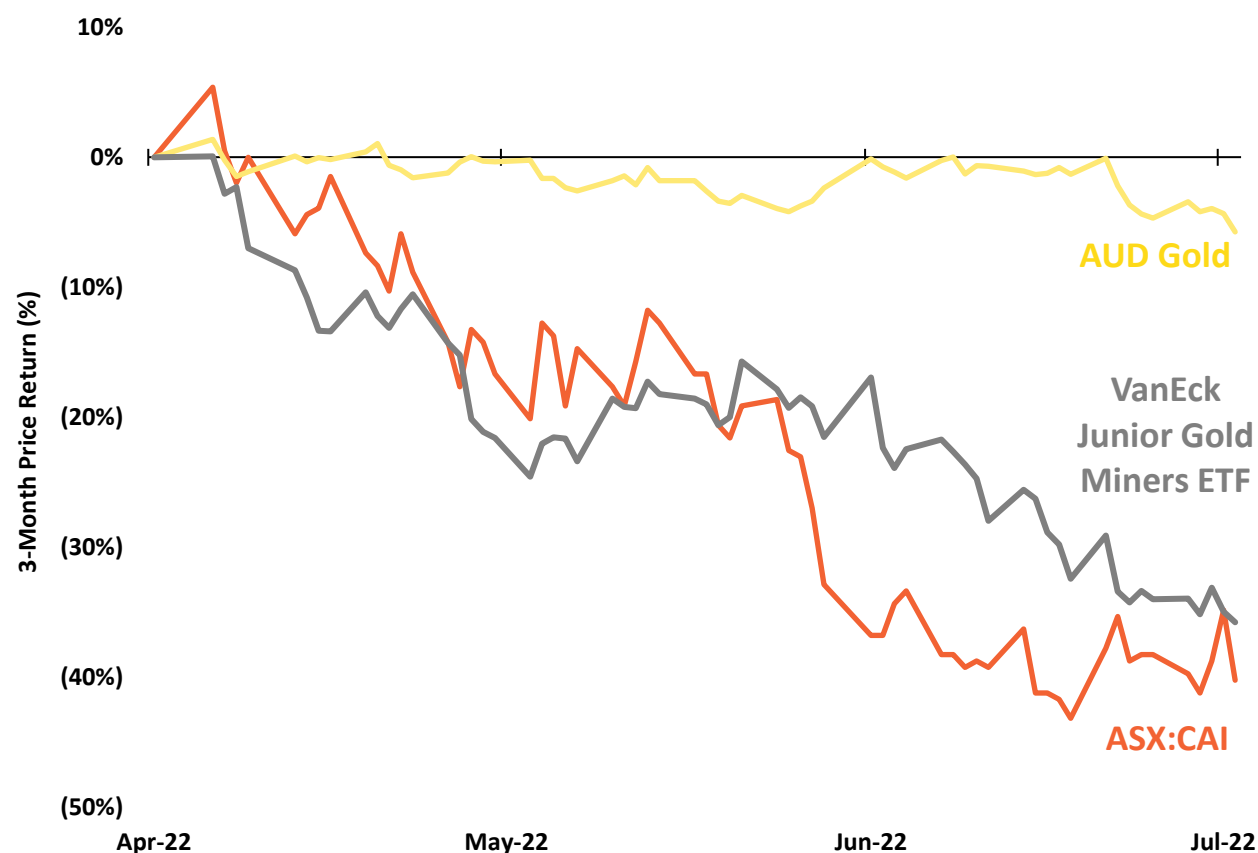
AUSTRALIAN GOLD PRODUCERS v AUD GOLD

GOLD EQUITIES HAVE BEEN DISPROPORTIONATELY SOLD DOWN RELATIVE TO GOLD PRICE INFLATION CONCERNS MAINLY DRIVING PRICE DECLINES

KEY COMMENTARY

- Valuations of gold producers have been significantly downgraded with many analysts sighting inflationary cost pressures
- Higher cost producers profit margins are more greatly affected in a such an environment
- Lower-cost gold producers (such as Calidus) with more robust profit margins, have been equally affected by gold sector downturn

3-MONTH SHARE PRICE PERFORMANCE V GOLD SPOT (%)



PROGRESSIVE ESG

COMMITMENTS TO MAINTAIN SOCIAL LICENCE TO OPERATE



ENVIRONMENTAL & SUSTAINABILITY

Developing carbon reduction strategies

- 4MW solar farm & 3MW battery - reduces carbon emissions - 17,000t p.a.
- Locally sourced LNG - reduces carbon emissions - 10,500t p.a.

Cyanide destruction

- Destruction of cyanide in tailings prior to discharge
- Minimize the exposure of wildlife to chemical outputs

Contribution to Pilbara Environmental Offset Fund (PEOF)

- Calidus contributed \$600,000 to PEOF to broker access for offsets on land

Native wildlife protection

- 32ha conservation zone initiative for the protection of native wildlife



COMMUNITY & PEOPLE

Upgrading local infrastructure

- Upgrade of the Marble Bar Airstrip with the Shire of East Pilbara
- Key travel route, Corunna Downs Rd

Sponsorships & Opportunities

- Indigenous Arts Program at Marble Bar and Warralong schools
- Establish apprenticeships and opportunities for locals

Extensive Heritage Surveys

- Heritage surveys completed – no sites disturbed

Rain water harvesting

- Tailings dam to reduce pressure on local aquifers in cyclonic events

WARRAWOONA GOLD PROJECT METRICS

STAGE 1 & 2– OPERATIONAL AND FINANCIAL METRICS

	Stage 1	Stage 2
Mine Type	Open Pit and Underground	
Plant Type	Conventional CIL plant	+ Sulphide plant
Throughput	2.0 – 2.4 Mtpa	+ 150kt pa
Initial Mine Life	8 years	
Ore Reserves	547koz @ 1.20g/t Au	
Mineral Inventory	702koz @ 1.2g/t Au	876koz @ 1.5g/t Au
LOM Strip Ratio (w:o)	3.4:1	
Mineral Resources	1,714koz @ 1.21g/t Au	
Expected Average Production	90koz pa LOM	130koz pa LOM
DFS AISC	A\$1,290/oz	A\$1,292/oz

STAGE 2–BLUE SPEC PROJECT

- Construction of ~150kt pa sulphide plant adjacent to CIL plant
- A\$28m in Pre-Production capital funded from Stage 1 cashflow (Scoping Study Estimate)
- Average 130koz pa at full production



First Gold Poured in May 2022



WARRAWOONA GOLD PROJECT – PILBARA, WESTERN AUSTRALIA



VIDEO FLY THROUGH

STAGE 1– OPERATIONAL RAMP UP

DEVELOPMENT OF WARRAWOONA DELIVERED ON TIME AND ON BUDGET

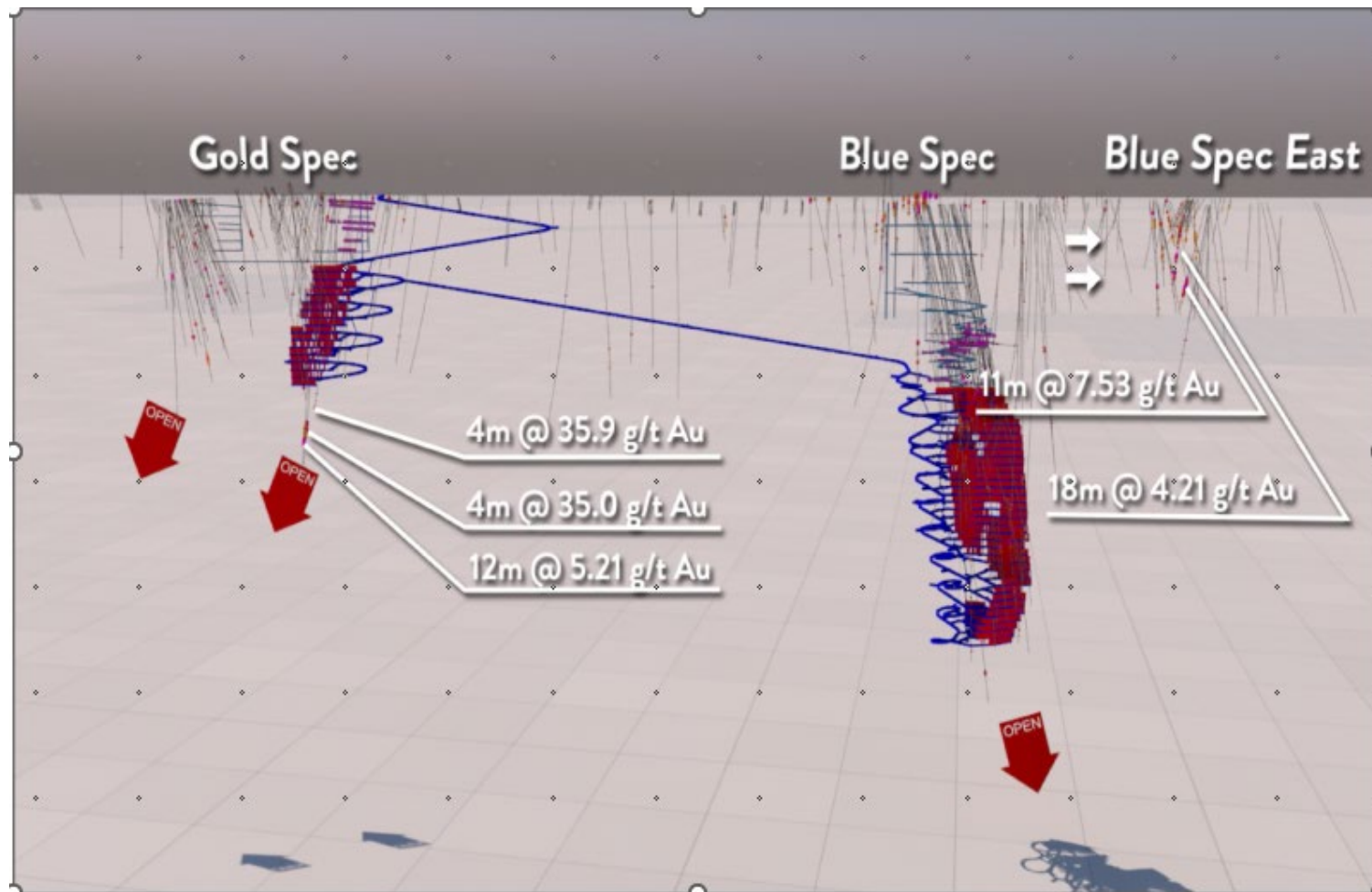
- Ramp up to full steady state production expected in Q3 CY2022
- Grade reconciling 100% through both grade control and gold produced to resource model – 8% of in-pit reserve drilled
- Mill currently running at 2.3mtpa
- Mining consistently moving required BCMs
- Total of 8,916ozs poured in June Quarter
- Inflationary pressures anticipated (c.10-20%)
 - DFS (Sep 2020) cost guidance of A\$1,290/oz
- 145koz hedged at A\$2,368/ounce over 3 year loan life
 - Additional 11koz hedged for delivery in 2022 at A\$2,688/ounce



STAGE 2–THE BLUE SPEC PROJECT INTEGRATION

RESOURCE 219,000 OZS @ 16.5g/t

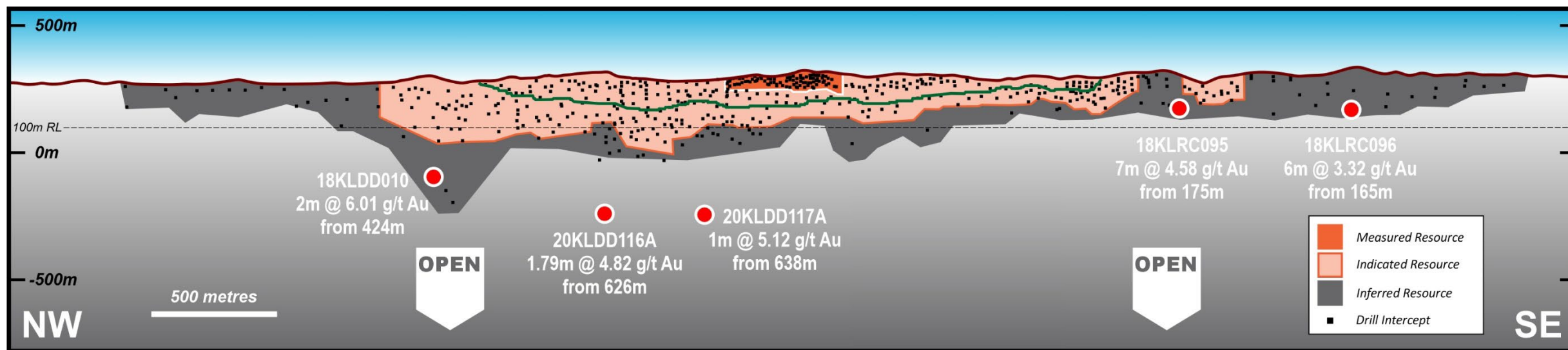
- Development of Blue Spec and the sulphide circuit to be funded from operational cash flow
- Modified Avoca with cemented rock fill mining method
- Truck 8.6g/t ore to 75km Warrawoona's 150ktpa Sulphide Plant
- Float and sell high grade concentrate (antimony credit pays for smelting charge)
- Utilise Warrawoona Infrastructure and overheads to lower costs
- DFS scheduled for Q3 CY2022
- Recent Drill results include¹:
 - **4.10m @ 33.6g/t Au**
 - **2.55m @ 44.1g/t Au**
 - **3.10m @20.4g/t Au**



IMMEDIATE MINE LIFE GROWTH

KLONDYKE REMAINS OPEN DOWN DIP AND ALONG STRIKE

- Mine plan only extends to 250m below surface
- Only limited drilling below 250m depth has been completed
 - Previous deeper holes (+450m) below surface confirm continuation of mineralisation
- Currently reviewing more detailed grade control results to define target drilling of high-grade shoots at depth
- Results from east of the pit show excellent potential and require further follow up



GROWTH STRATEGY

UNLOCKING THE POTENTIAL OF THE EAST PILBARA GOLDFIELD IN WESTERN AUSTRALIA

1 NEAR MINE

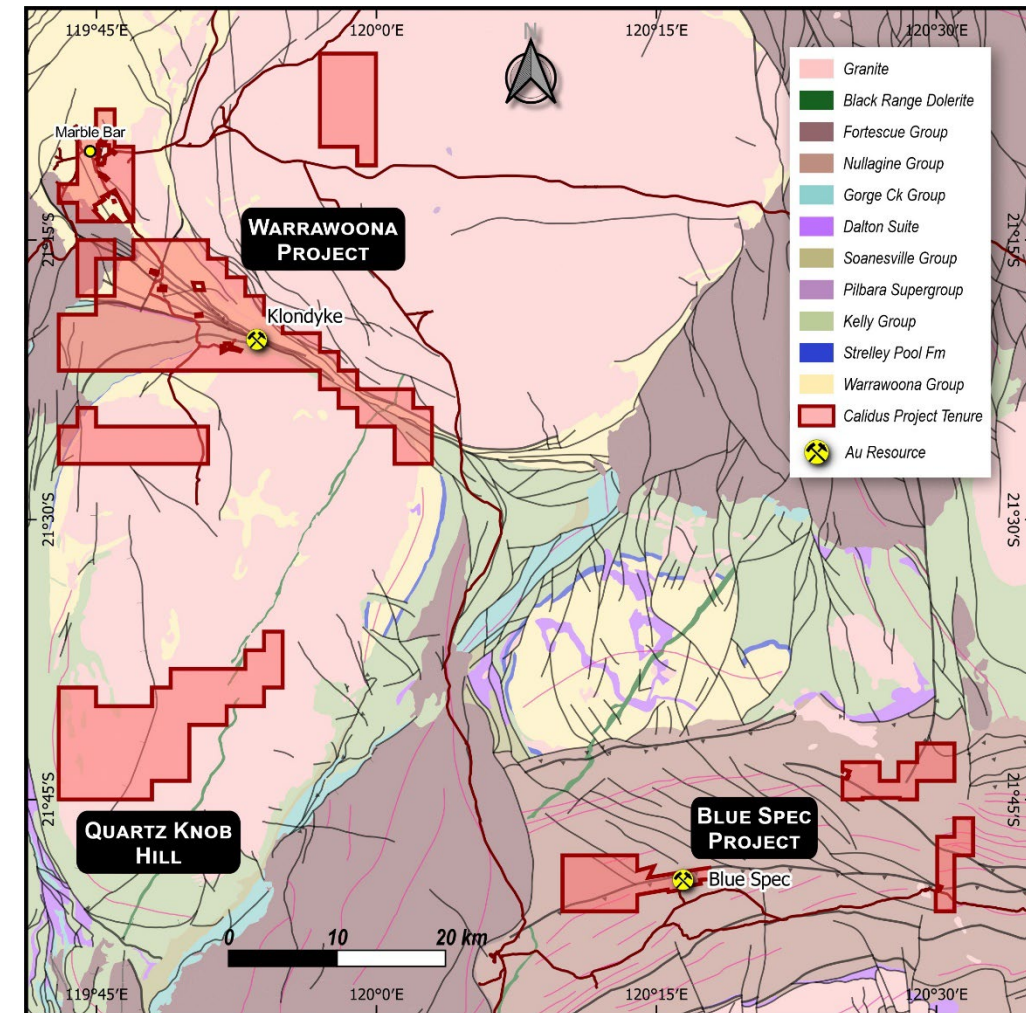
- Klondyke Deposit open along strike and down dip
- Multiple Warrawoona structural trends

2 WARRAWOONA REGIONAL

- Drilling has confirmed the down-dip extension of the Marble Bar quartz reef with high-grade intercepts
- Actively assessing regional M&A consolidation opportunities

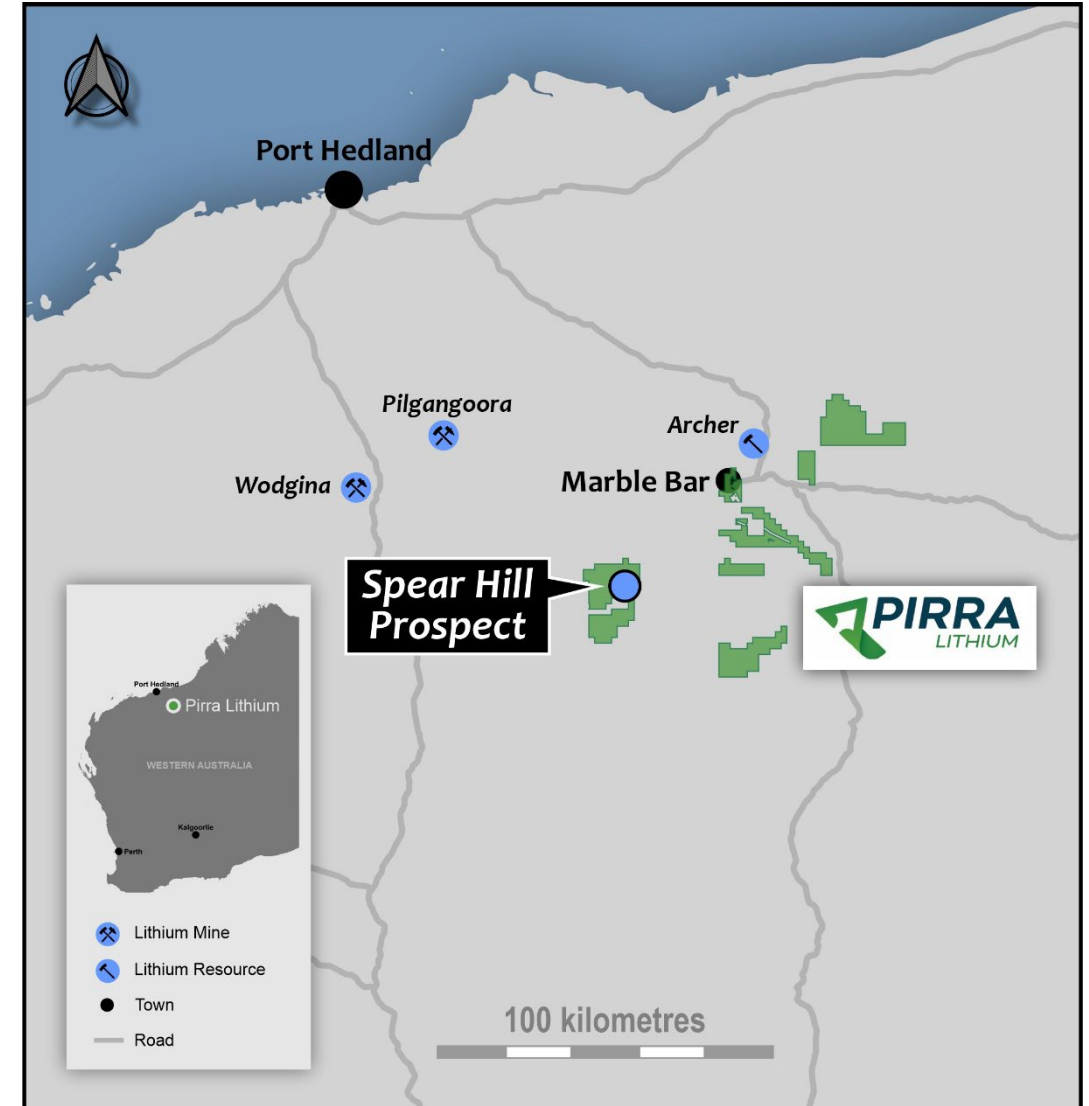
3 BLUE SPEC, BLUE SPEC EAST AND GOLD SPEC

- High-grade mineralisation open down dip and along strike
- Blue Spec East recent RC drill results suggest potential for open-pit operation¹:
 - 52m @ 1.40g/t Au from 22m, 20m @ 1.41g/t Au from 44m and 10m @ 1.95g/t Au from 81m
- Soil program identified three areas of elevated gold to be followed up



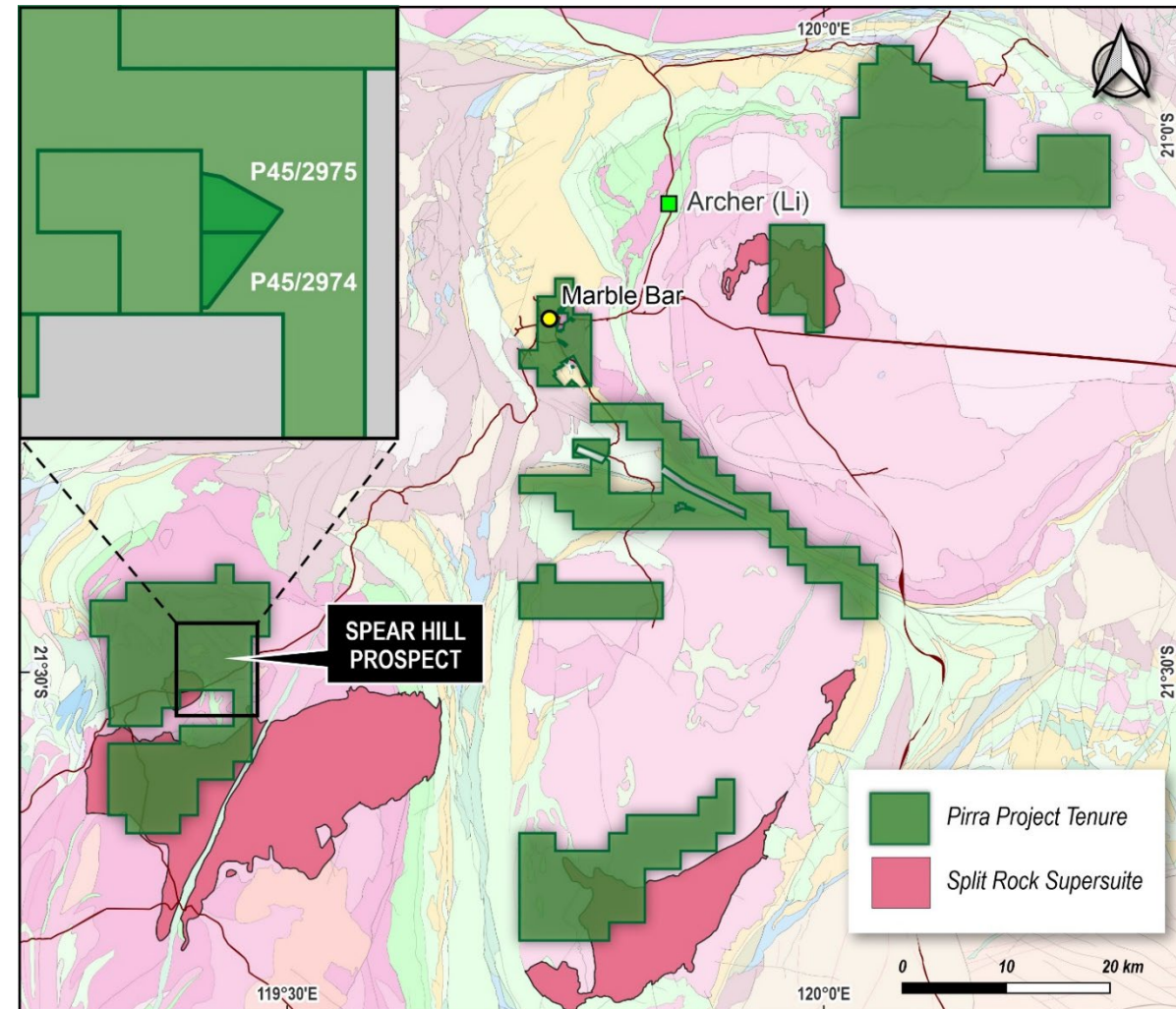
IN THE HEART OF AUSTRALIAN LITHIUM

- Pirra Lithium JV - 50/50 ownership with Haoma Mining NL, covering 1,063km² of highly prospective tenure
- Similar geological settings to the large scale Pilgangoora (ASX:PLS) and Wodgina (ASX:MIN) lithium mines
- Tier 1 lithium mining jurisdiction with combined installed spodumene concentrate output of 1,400,000tpa
- Located within 1 hour drive of WGP, provides excellent and low-cost support for lithium exploration
- Excellent infrastructure, 150km south-east of Port Hedland
- Good understanding of local partners and proven ability to operate in the region
- Calidus to manage exploration and plans to assess the potential de-merger of Pirra Lithium by end of CY2022



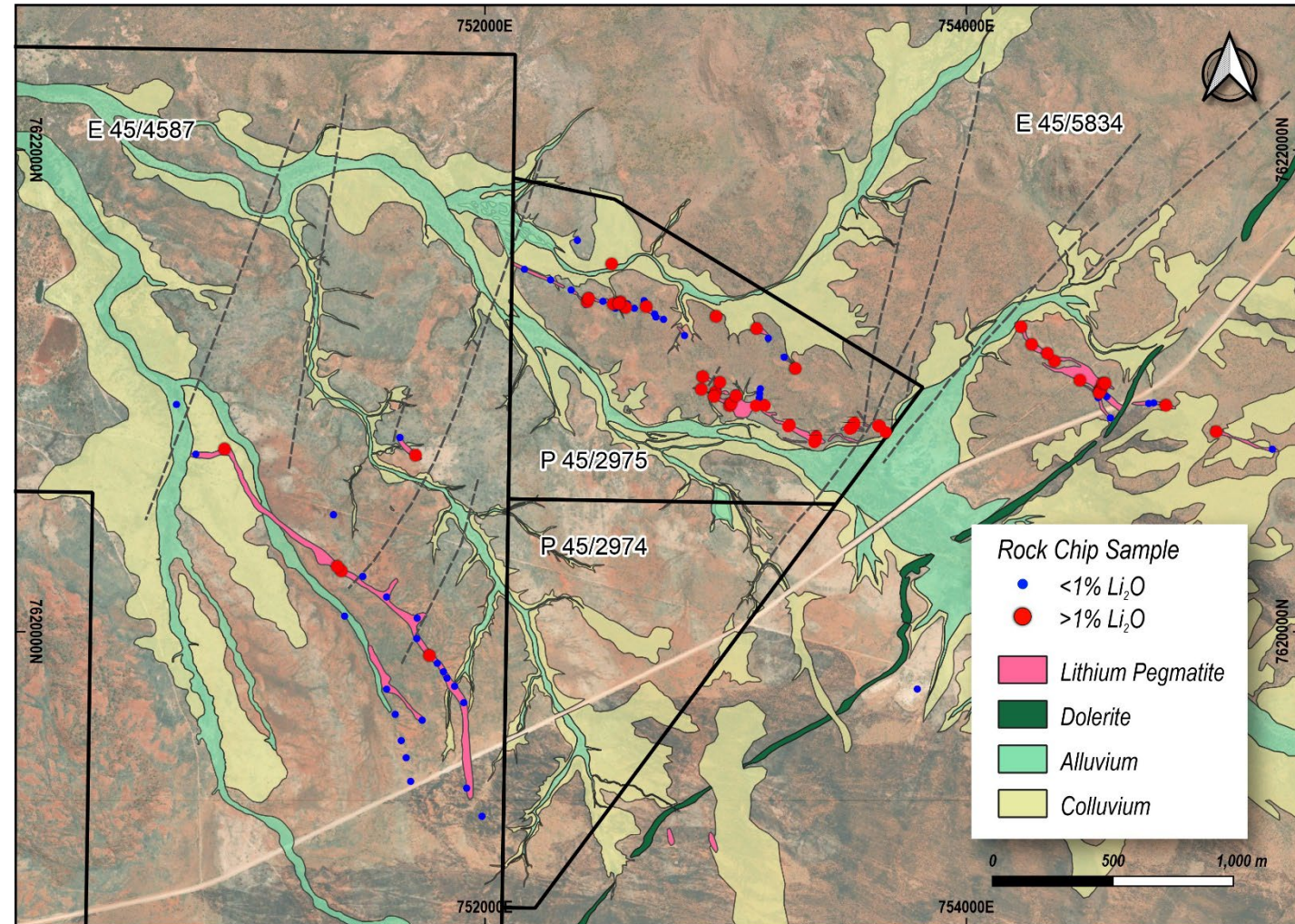
EXTENSIVE TENEMENT HOLDINGS TARGETING LITHIUM

- Tenements are in close proximity to existing lithium deposits that have reported outcrops and target the Split Rock Supersuite
- Tenements mainly cover previous tin and tantalum mining areas, a common denominator in existing lithium mines
- Largely unexplored land package with no systematic or modern exploration for lithium bearing pegmatites
- Pirra is undertaking methodical sampling and mapping across high priority targets and will utilise geophysics and soil sampling to cover lower priority areas



SPEAR HILL PROSPECT- SIGNIFICANT LITHIUM DISCOVERY

- Maiden RC drill program has commenced at the Spear Hill Lithium Prospect
- Outcropping lithium pegmatite body to be tested over 1.2km of the mapped 4.3km strike
 - Rock chips assays ranged 0.66%-2.75% Li_2O
 - Pegmatites measure up to 70m in width at surface
- Drilling designed to target an initial outcropping pegmatite to determine widths and down-dip extent
- Drilling will test the potential for additional lithium bearing pegmatites in the hanging wall and footwall



OUTCROPPING PEGMATITE AT SPEAR HILL PROSPECT



CALIDUS RESOURCES LIMITED (ASX:CAI)

A UNIQUE WESTERN AUSTRALIAN GOLD PRODUCER AND LITHIUM EXPLORER

- ✓ Management team are proven mine operators and explorers with a track record of wealth creation
- ✓ Stage 1 - DFS production of 90koz pa – 105koz pa at LOM AISC \$1,290/oz - initial 8-year mine life
- ✓ Stage 2 - Increased production to 130koz pa through Blue Spec integration
- ✓ Mining and milling operation ramping up and first gold poured in May 2022
- ✓ Additional mine-life potential through near-mine exploration and Blue Spec down-dip extensions
- ✓ Increase shareholder value through an aggressive lithium exploration strategy and demerger
- ✓ Aspirations to use cashflow to become a multi-mine, mid tier gold producer