

CORPORATE OVERVIEW

ASX Code

ARE

Capital structure

Shares on issue: 1.135 billion

Share price (28 October 2017): 1.9c

Unlisted options: 164.3 million

Market cap at 1.9c: A\$22 million

Cash

\$1.8 million raised July 2017

Directors

Pat Elliott Non-Executive Chairman
Lindsay Owler CEO/Executive Director
Andrew Bursill Director/Company Secretary
Malcolm Richmond Non-Executive Director





EXPLORATION FOCUS

Torrens - Copper, SA

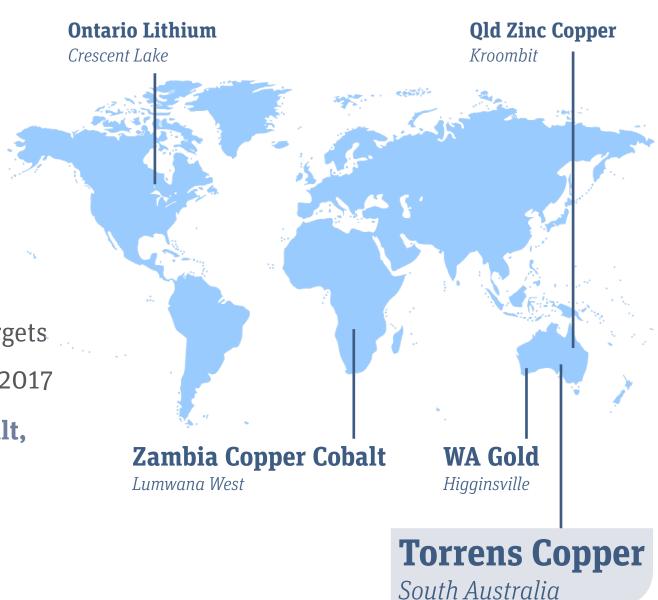
- Massive IOCG system
- Primary focus
- Access resolution coming soon

Higginsville - Gold, WA

- Multiple gold and nickel targets
- Drilling completed October 2017

Lumwana West - Copper Cobalt, Zambia

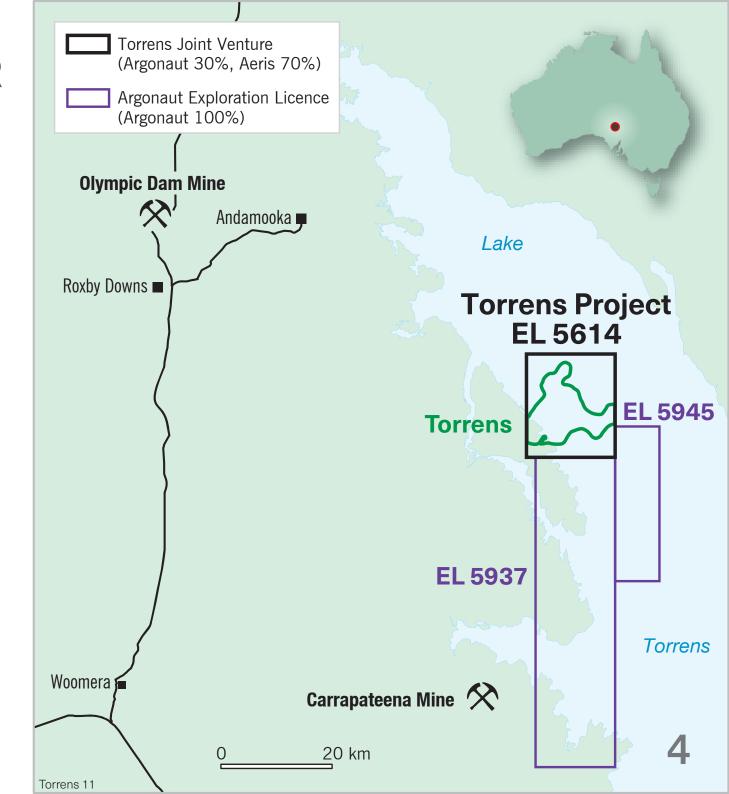
 Nyungu Deposit: JORC 2012 Exploration Target





TORRENS COPPER PROJECT

- 1. Massive anomaly with multiple deposit-scale target zones
- 2. The right geological address
- 3. Confirmed Iron Oxide Copper-Gold (IOCG) system





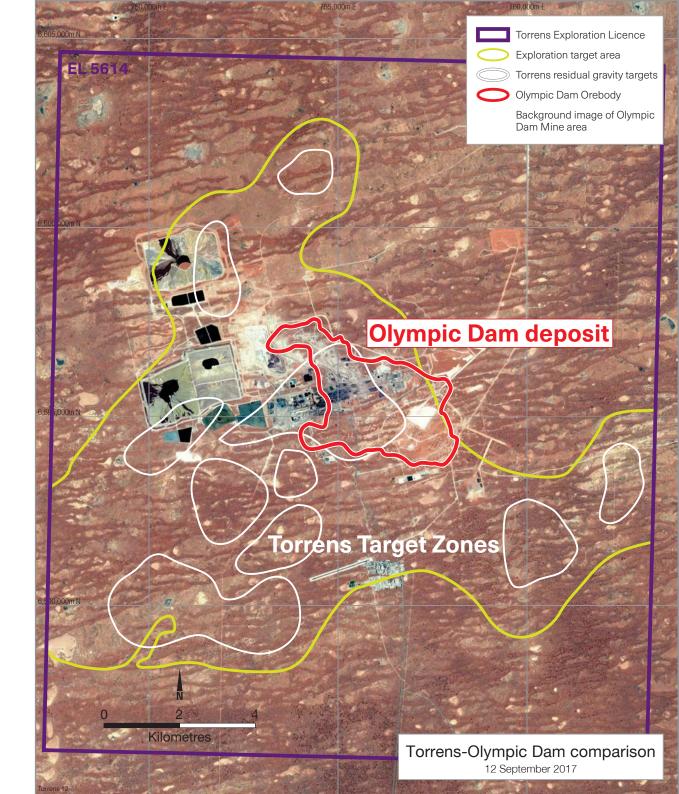
TORRENS: BIGGER TARGET THAN OLYMPIC DAM

Torrens target zones draped over:

- Olympic Dam mine site (image)
- Olympic Dam ore body outline (red)

In the event of discovery, there is scope for:

- Very large tonnage deposit
- Successive discoveries





TORRENS: MASSIVE ANOMALY WITH MULTIPLE TARGETS

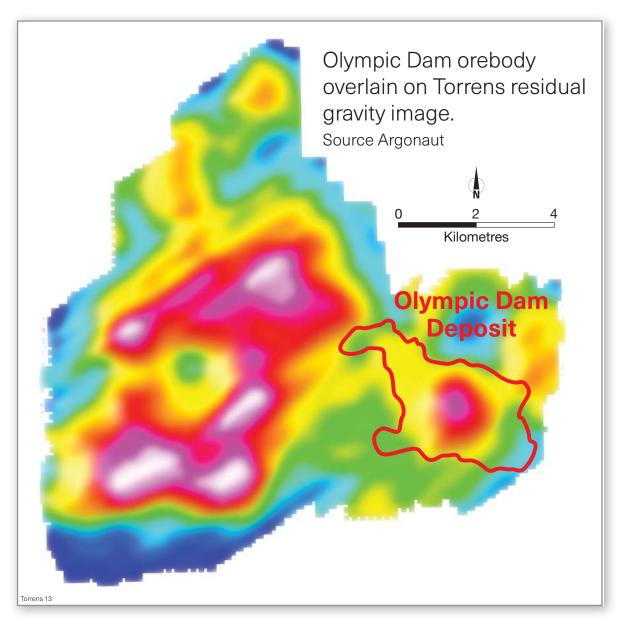
Broad, intense geophysical anomaly

- 120 km² massive scale
- Similarities with Olympic Dam

Ten individual target zones

Multiple discovery opportunities

Each target is large enough to host a world-class deposit bigger than Carrapateena





TORRENS: THE RIGHT GEOLOGICAL ADDRESS

South Australia's Olympic Domain:

- Host to major Iron Oxide Copper-Gold (IOCG) deposits
- Olympic Dam
- Carrapateena
- Prominent Hill

Huge discovery potential

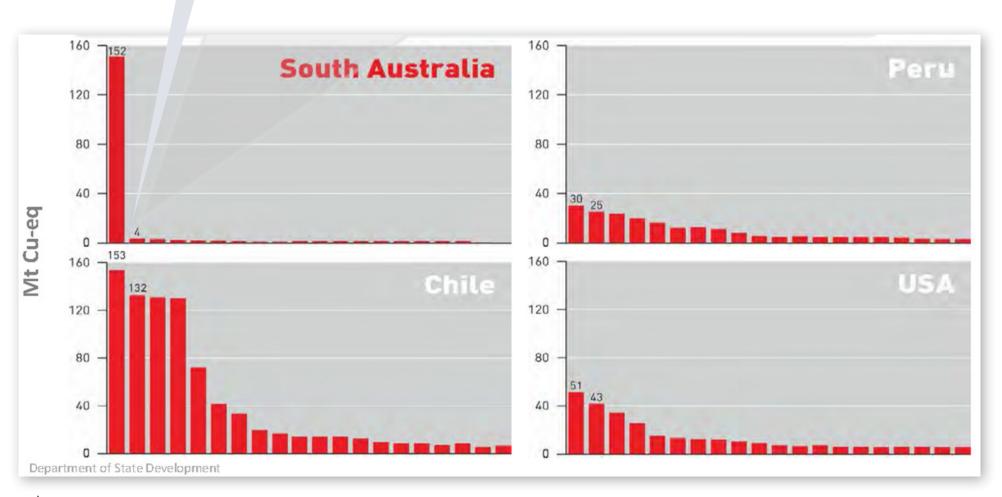




SOUTH AUSTRALIA: COPPER DISCOVERY GAP

South Australia's copper discovery gap.

Large gap between first and second largest copper deposits.





TORRENS: THE RIGHT GEOLOGICAL ADDRESS

Crustal Architecture

- Torrens Hinge Zone
 - Continent-scale zone of crustal weakness
- Crustal domain boundary
 - Gawler Craton margin

Pathway for mantle fluids

- Intersection of O'Driscoll's G2 and G9 corridors
 - Gravity lineations predicting major deposit locations

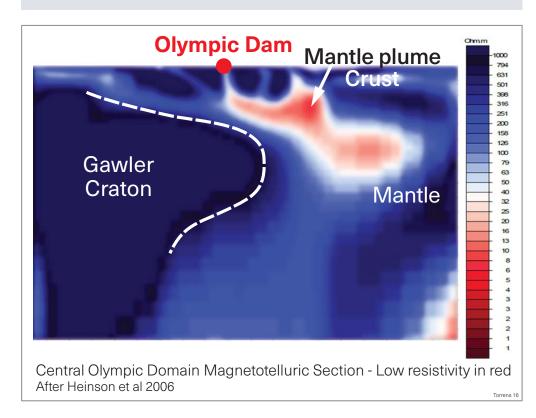
TORRENS IRON OXIDE ESTIMATES

from geophysical modelling:

Magnetite 50 billion tonnes

Hematite/Sulphide 13 billion tonnes

Deep-seeing resistivity provides best explanation for emplacement of large volumes of iron-oxide





TORRENS: CONFIRMED IOCG SYSTEM

IOCG CONFIRMATION:

Copper sulphides associated with abundant magnetite and/or hematite:

- Copper assays to 1.36% Cu
- Chalcopyrite and bornite present
- Very large volume of magnetite/hematite

Alteration minerals:

- All diagnostic alteration minerals noted
- Alteration zonation

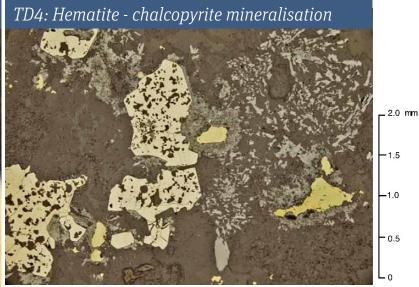
Late-stage hydrothermal mineralisation:

- Hematite replacement
- Sulphides and proximal alteration minerals

Accessory/indicator elements:

- Fluorine
- Rare earth elements









TORRENS: SUMMARY

The right geological address

- Olympic Domain, Torrens Hinge Zone
- Mantle fluids pathway
- Large volumes of magnetite/hematite

Massive anomaly with ten distinct target zones

- Bigger than Olympic Dam
- Ten targets equal or greater in size to Carrapateena

Confirmed IOCG mineralisation

 Copper sulphides, alteration assemblages, rare earth elements

THEREFORE:

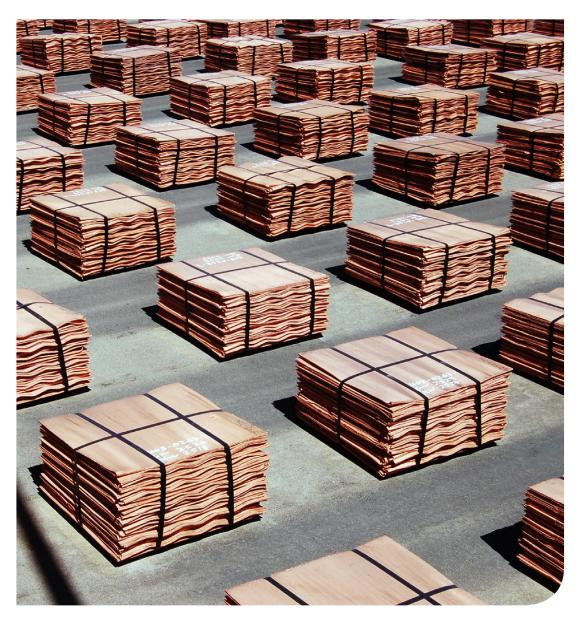
- higher likelihood of discovery, and
- higher likelihood of commercial tonnages and grades.



ARGONAUT: TORRENS EXPLORATION EXPOSURE

TORRENS JOINT VENTURE

- Joint venture interests:
 - » 30% Argonaut Resources NL,
 - » 70% Aeris Resources Ltd.
- Operator: Argonaut
- Expenditure: Pro rata





TORRENS: ACCESS APPROVALS NEAR COMPLETION

Native title:

 ERD Court Approved access and operational rights granted on 31 March 2017

Access and compensation agreement:

• Signed July 2017

Aboriginal heritage:

- First granted in 2010
- Re-grant application in 2017

Mines/Environment Department

- Granted Sept 2007, Mar 2010, Nov 2010
- Re-grant due November 2017





TORRENS: ADDITIONAL REGIONAL TARGETS

Argonaut holds a commanding land position:

- Murdie anomaly
 - » Confirmed IOCG system
 - » One drill hole by WMC in 1981
- West Lake Torrens anomaly
 - » Further testing warranted

Geological setting equivalent to Torrens:

- Olympic Domain
- Torrens Hinge/Craton margin
- Mantle fluid potential

Primary and secondary exploration targets held in one package



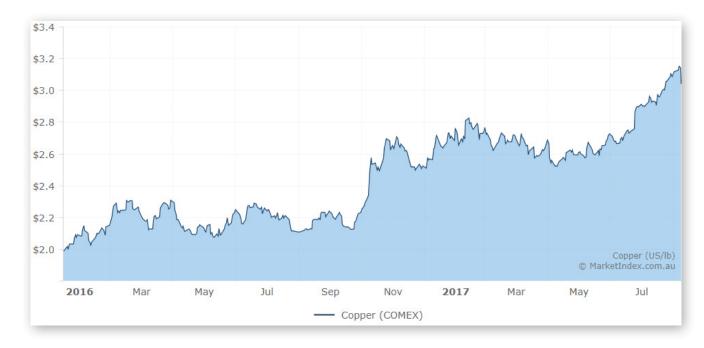


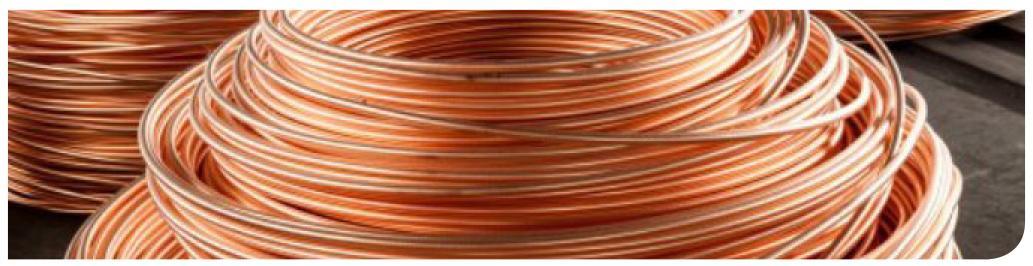
TORRENS: THE RIGHT COMMODITY AT THE RIGHT TIME

Copper price recovery:

- >50% recovery from 2016 low
- Demand growth overwhelming new supply

Likely sustained upswing

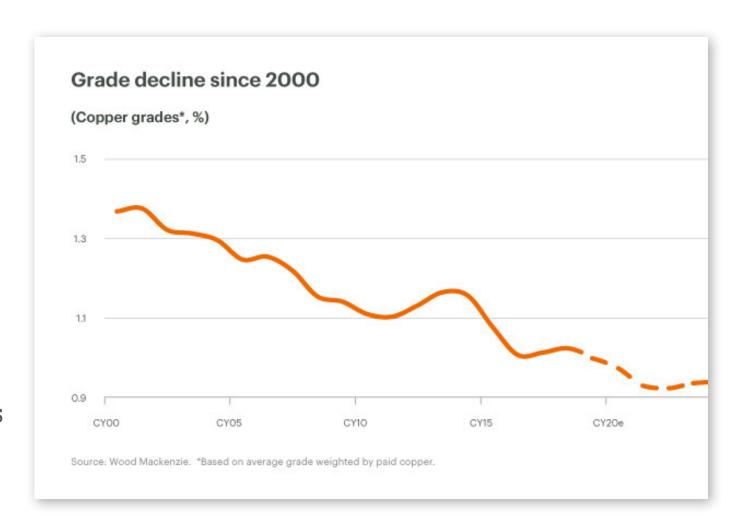






COPPER MARKET

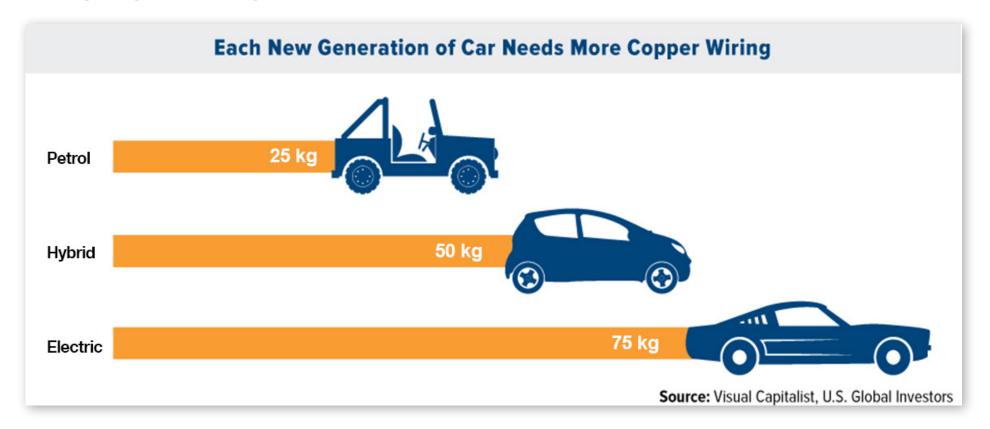
- Structural deficit
- Demand driving prices
- Insufficient new supply coming
 - » pipeline of new supply is thin vs demand growth
- Grades are declining
 - » low prices encouraged 'high-grading' of mines
- Reserves are depleted
 - » underinvestment in exploration since 2012





COPPER DEMAND GROWTH ACCELERATING FROM EMISSIONS REDUCTION

- We are experiencing an explosion in electric vehicle demand
- Hybrid and electric vehicles demand much more copper than conventional cars
- Ongoing demand growth from urbanisation trends





HIGGINSVILLE GOLD AND NICKEL PROJECT

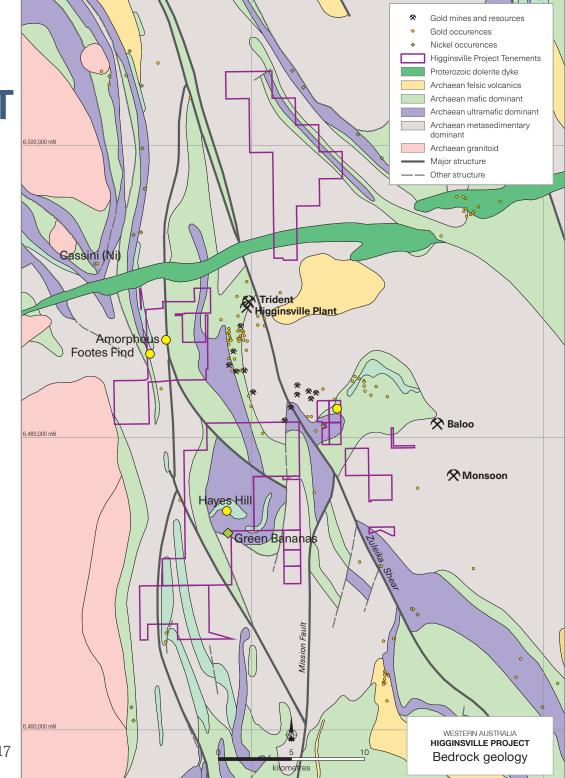
- Multiple gold and nickel targets
- Eastern Goldfields, Western Australia
- International-scale gold endowment
- Home to majority of Australia's historic gold reserves
- Excellent infrastructure and processing capacity
- Abundant historic shallow drill data
- Earn-in joint venture
 - 51% for \$500,000 spend
 - 80% for additional \$1.5M spend





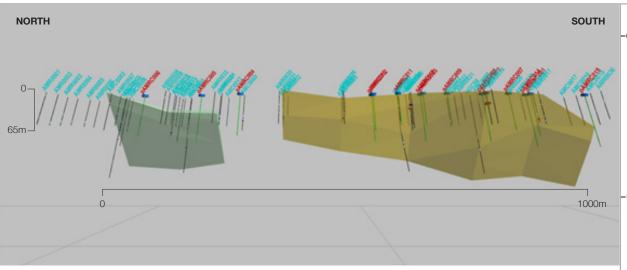
HIGGINSVILLE GOLD AND NICKEL PROJECT

- Gold mineralisation at Amorphous and Footes Find is typically hosted in quartz veins within a steeply dipping gabbroic unit
- Shallow oxide gold and deeper primary gold targets
- Nearby to production infrastructure
- 2017 RC drilling program has been completed by Argonaut Resources





HIGGINSVILLE: AMORPHOUS PROSPECT



Gold mineralisation shells with existing and recently completed drill holes.

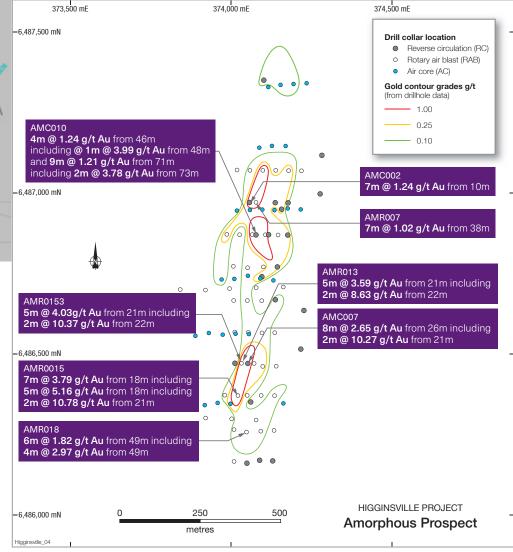
HISTORIC DRILLING

Amorphous Prospect

- AMC0007: 8m at 2.07g/t gold from 26m, including 2m at 7.94g/t gold from 28m
- AMC0010: 9m at 1.21g/t gold from 71m, including 2m at 3.78g/t gold from 73m
- AMR0013: 5m at 4.03g/t gold from 21m, including 2m at 10.37g/t gold from 22m
- AMR0015: **8m at 3.27g/t gold from 17m,** including 3m at 9.6g/t gold from 21m

Footes Find Prospect

• FFP0010: **7m at 2.13g/t gold from 28m,** including 1m at 12.5g/t gold from 30m



Historical drilling.



DIVERSIFIED ASSETS

Torrens - Copper, SA

- Massive IOCG system
- Primary focus
- Access resolution coming soon

Higginsville - Gold, WA

- Multiple gold and nickel targets
- Drilling completed October 2017

Lumwana West – Copper Cobalt, Zambia

Nyungu Deposit: JORC 2012 Exploration Target:

Commodity	Tonnage (Mt)	Grade (%)	Contained metal (kt)
Copper	130 to 180	0.45 to 0.65	580 to 1,150
Cobalt	15 to 20	0.08 to 0.12	12 to 24

Crescent Lake Kroombit Zambia Copper Cobalt Lumwana West WA Gold Higginsville

Torrens CopperSouth Australia

Kroombit – Zinc Copper, QLD

- **Kroombit Deposit:** JORC Inferred and Indicated Resource:
 - 5.2 million tonnes grading at 1.9% zinc and 0.2% copper at a cut-off of 1.0% Zn
 - 0.9 million tonnes at 1.0% copper at a cut-off of 0.5% Cu.

Crescent Lake - Lithium, Canada

Spodumene pegmatite lithium



ARGONAUT – COMING SHARE PRICE CATALYSTS

Drilling at Higginsville, WA gold properties	Oct 2017
Final access approvals to Torrens	Nov 2017 and Jan 2018
JV announcement of exploration program scope • Considering 30 hole program over 16-18 months	Jan 2018
Finalisation of Torrens program funding	Jan 2018
Drilling at Torrens – expect to start	Feb 2018
Possible economic grade intersection at Torrens??	From Mar 2018?



ARGONAUT SUMMARY

Market Capitalisation: A\$22 million

Focus on Torrens IOCG Target:

- Right geological address
- Massive scale
 - » Larger geophysical anomaly than Olympic Dam
 - » Multiple targets within system
- Confirmed IOCG system
- Exploration access close

Extreme leverage to discovery

Copper demand and prices rising

ARGONAUT AT TORRENS:

- Multiple drill targets = higher likelihood of discovery, and
- Huge upside potential on discovery

