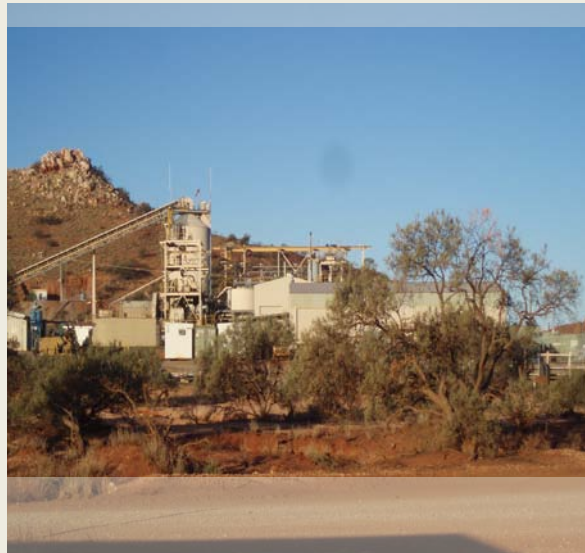


ARTEMIS RESOURCES

A Strategic Position in Two Rich Gold Provinces

ASX: **ARV**



ARV Disclaimer

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Throughout this presentation all figures are quoted in A\$ dollars unless otherwise stated. You should not act in reliance on this presentation material. This overview of the Company does not purport to be all inclusive or to contain all information which its recipients may require in order to make an informed assessment of Artemis' prospects. You should conduct your own investigation and perform your own analysis in order to satisfy yourself as to the accuracy and completeness of the information, statements and opinions contained in this presentation before making any investment decision.

ARV Competent Person's Statement

The information in this presentation that relates to Exploration Results and Mineral Resources is based on information compiled by David W. Price who is an Officer of the Company. David is a Fellow of the Australian Institute of Mining and Metallurgy and a Member of the Australian Institute of Geoscientists. David has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. David consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

Corporate Snapshot

ASX: ARV

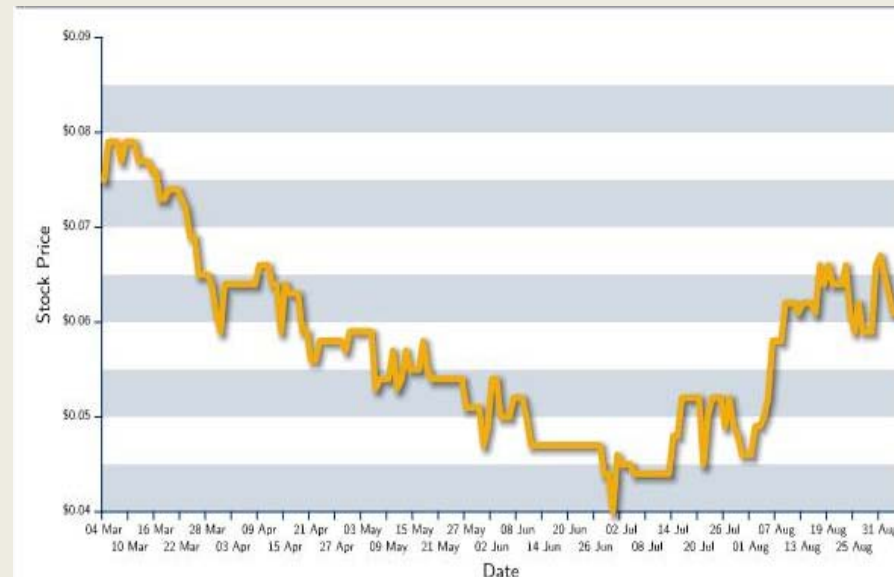
Market Capitalisation
\$12 million

Shares on Issue
218 million

Listed options
(ASX: ARVOB)
85 million
(expire: 30/06/2011 @ 5c)

Highly Credentialed and Experienced Board and Management Team

David W. Price (Geologist)	Executive General Manager
Graham Libbesson (BCom/Law)	Chairman
Frans Voermans (Geologist)	Non-executive Director
John Miles (Legal)	Non-executive Director
Jonathan Robinson (Accounting)	Non-executive Director



David W. Price (Executive General Manager) an exploration geologist with more than 23 years' experience including GM and Board positions in the mining sector.

Edward Fry (Project Geologist) a specialist structural geologist with substantial experience in exploration for gold, iron ore, copper, molybdenum and uranium in Australia and China.

Bob Cotton (Resource Modeling Specialist) a geologist with over 50 years experience. Bob is a highly respected and distinguished geologist with a background including discoveries and re-appraisals. Bob provides Artemis with invaluable geological guidance and resource modeling expertise.

Tony Grey (Special Adviser to the Board) is the founder of Pancontinental Mining and provides Artemis with considerable expertise in resource project assessment , executive knowledge and mining finance.

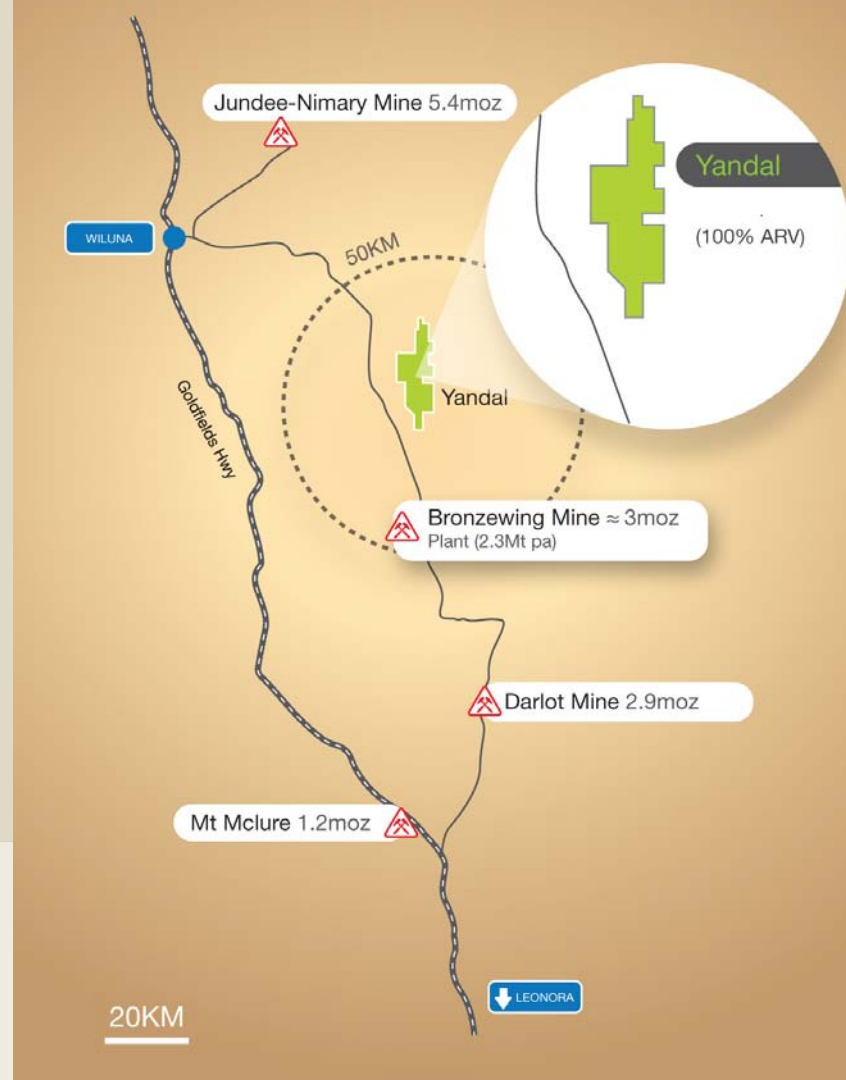
ARV - Strategic position in two rich gold provinces

Ashburton Gold Province > 2m oz



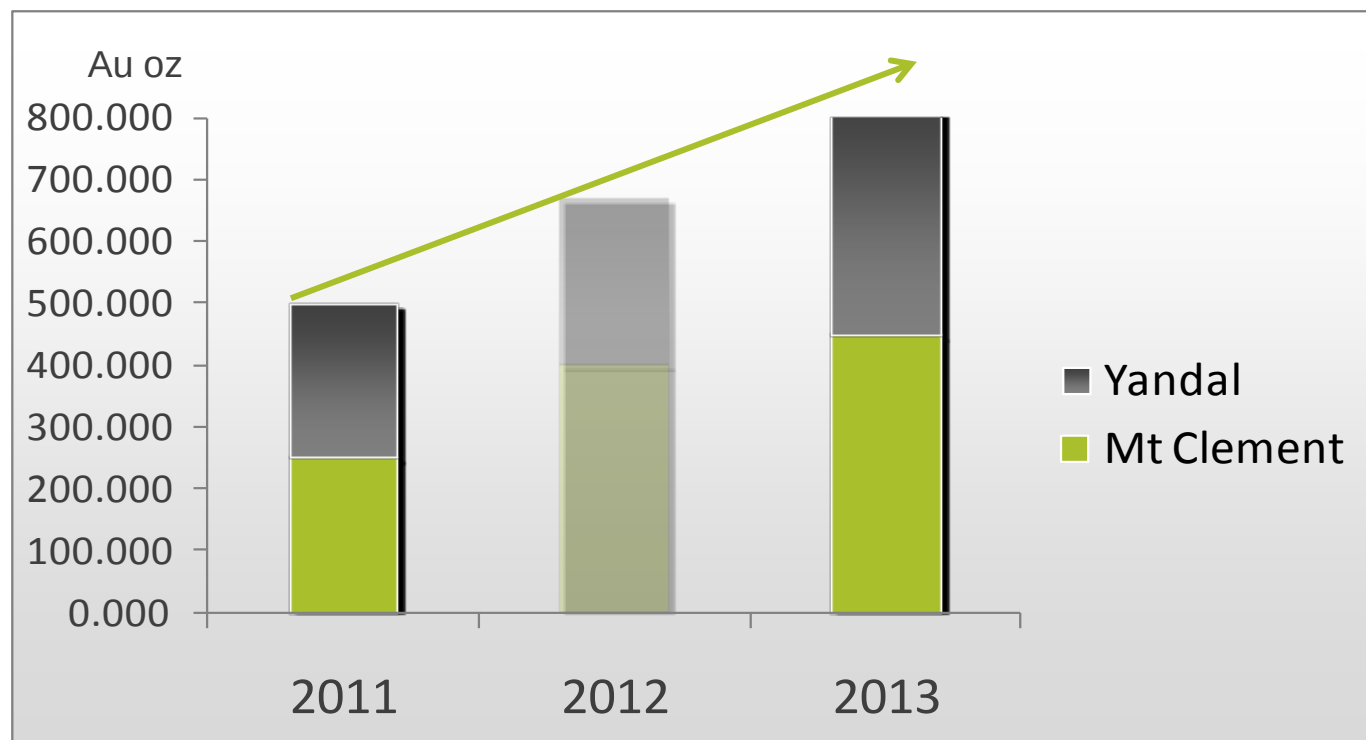
- Corporate Strategy to achieve +500,000 oz gold
- Close to two operating processing plants
- Under-explored tenements

Bronzewing Belt > 12m oz



ARV – Growth through exploration success

- Targeting a significant growth in gold inventory
- Increasing ounces in proven WA gold belts through exploration
- Strong exploration and technical team



The above graph represents the Company's strategic goal to increase gold inventory by way of exploration. The information in this graph should not be misunderstood or misconstrued as estimates of Mineral Resources. There has been insufficient results received from drilling to date to estimate a Mineral Resource compliant with the JORC Code (2004) guidelines. Furthermore, it is uncertain if further exploration will result in the determination of a Mineral Resource.

ARV's Investment Highlights

World class gold belts

Mt Clement and Yandal are located in highly productive gold belts of Western Australia.

Close proximity to operating processing plants

20% JV partner owns the Paulsen's gold plant.

Near-term value

Aggressive and successful drilling programs

Long term strategy

Grow gold inventory through exploration success

Low Risk

High grade deposits

Existing drilling

Close to infrastructure

Clear targets

Recent drilling success

New discoveries

High-calibre

technical experience

David Price

Robert Cotton

Frans Voermans

Edward Fry



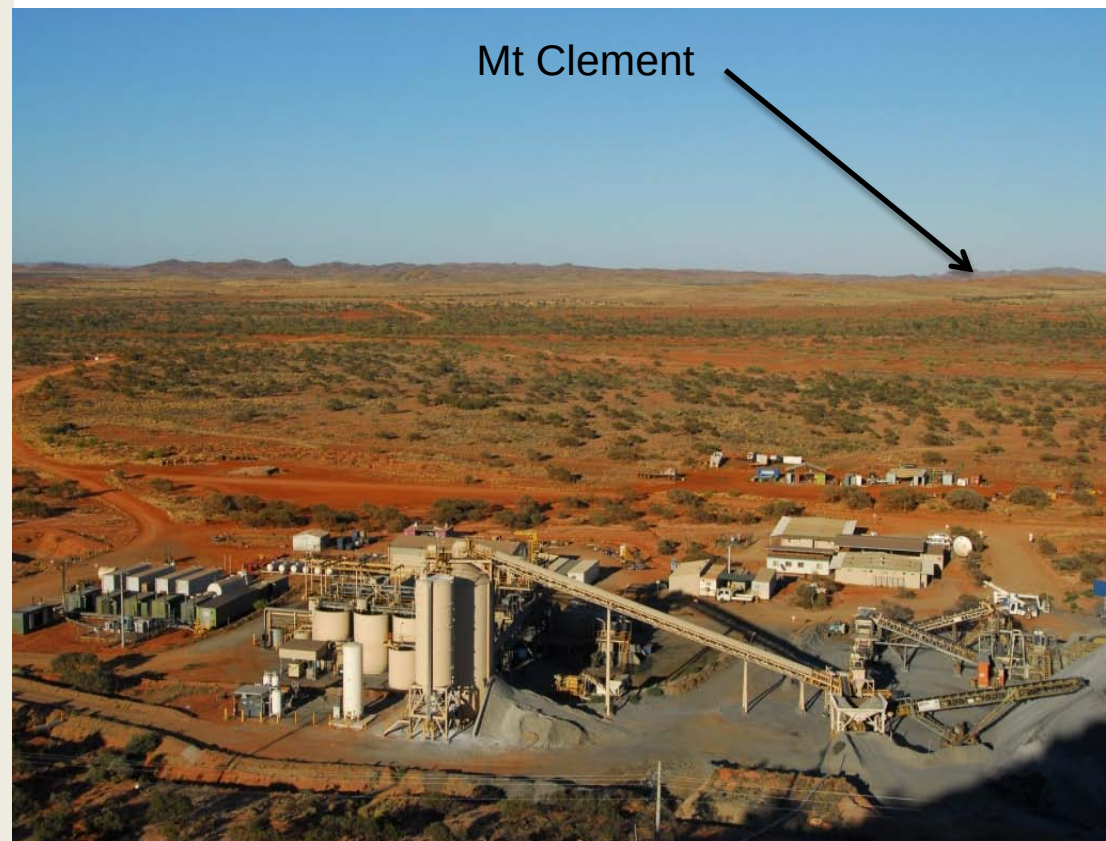
Mt Clement 2km-long runway at Wyloo Station – direct flights from Perth to Project

ARV – developing valuable gold assets

ARV has advanced gold projects in highly mineralised, gold-producing regions.

The Mt Clement Gold Project

- 3 granted Mining Leases (valid to 2020)
- Most major environmental requirements already addressed
- 20% JV partner owns an operating CIP gold processing plant 30km away (easy trucking distance)
- Large tonnage gold mineralisation within 50m of surface
- High grade drilling results confirms substantial deeper gold, silver and copper lodes
- Under-explored gold province with significant exploration upside potential
- Airport servicing regular flights 20 minutes drive away
- New discoveries with each new drill hole
- Mineralisation remains open in all directions
- Paulsen's gold mine recently sold by Intrepid for AUD\$40 million



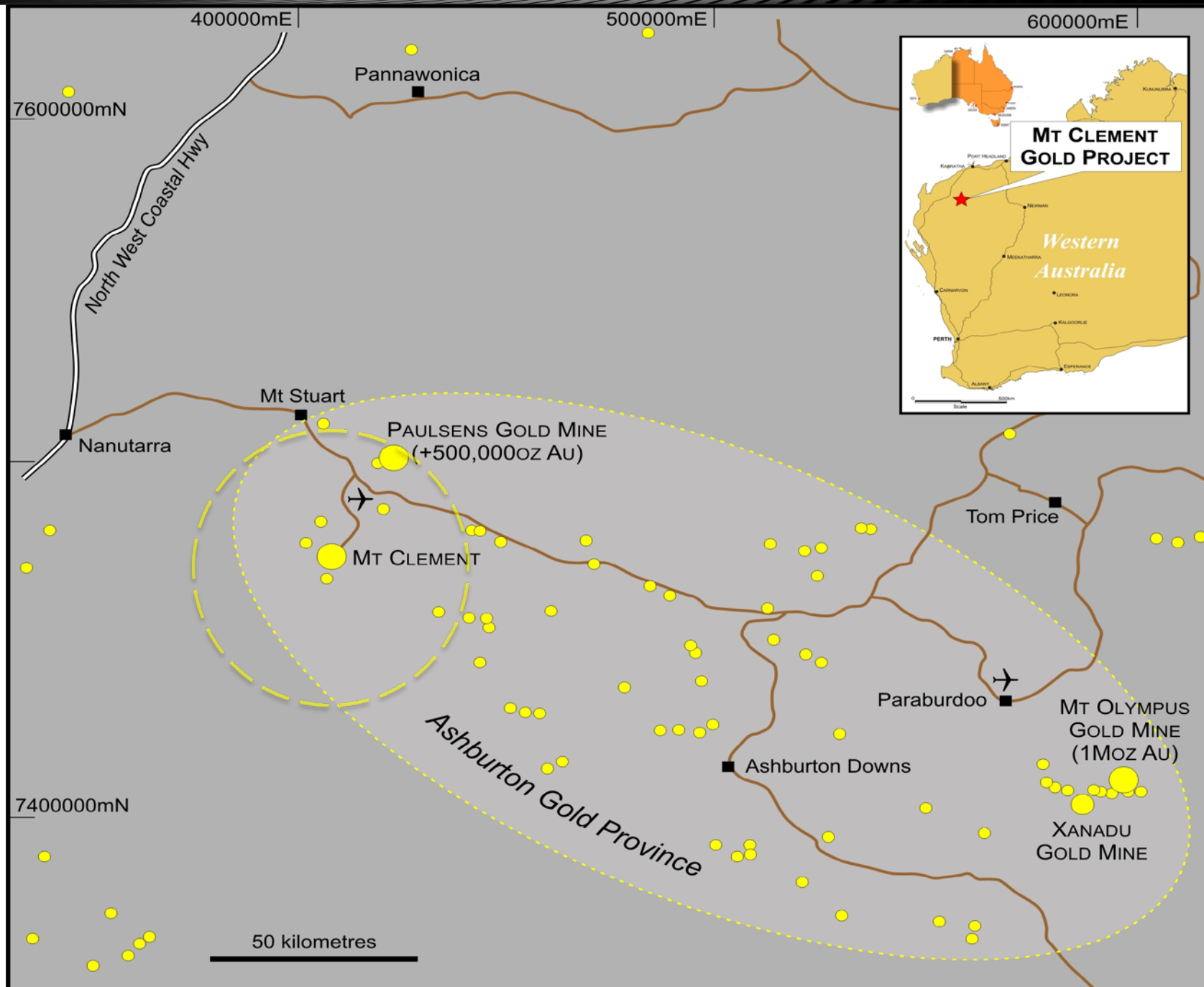
The Paulsen's processing plant 30km from Mt Clement

(Owned by 20% Joint Venture partner Northern Star Resources Ltd)

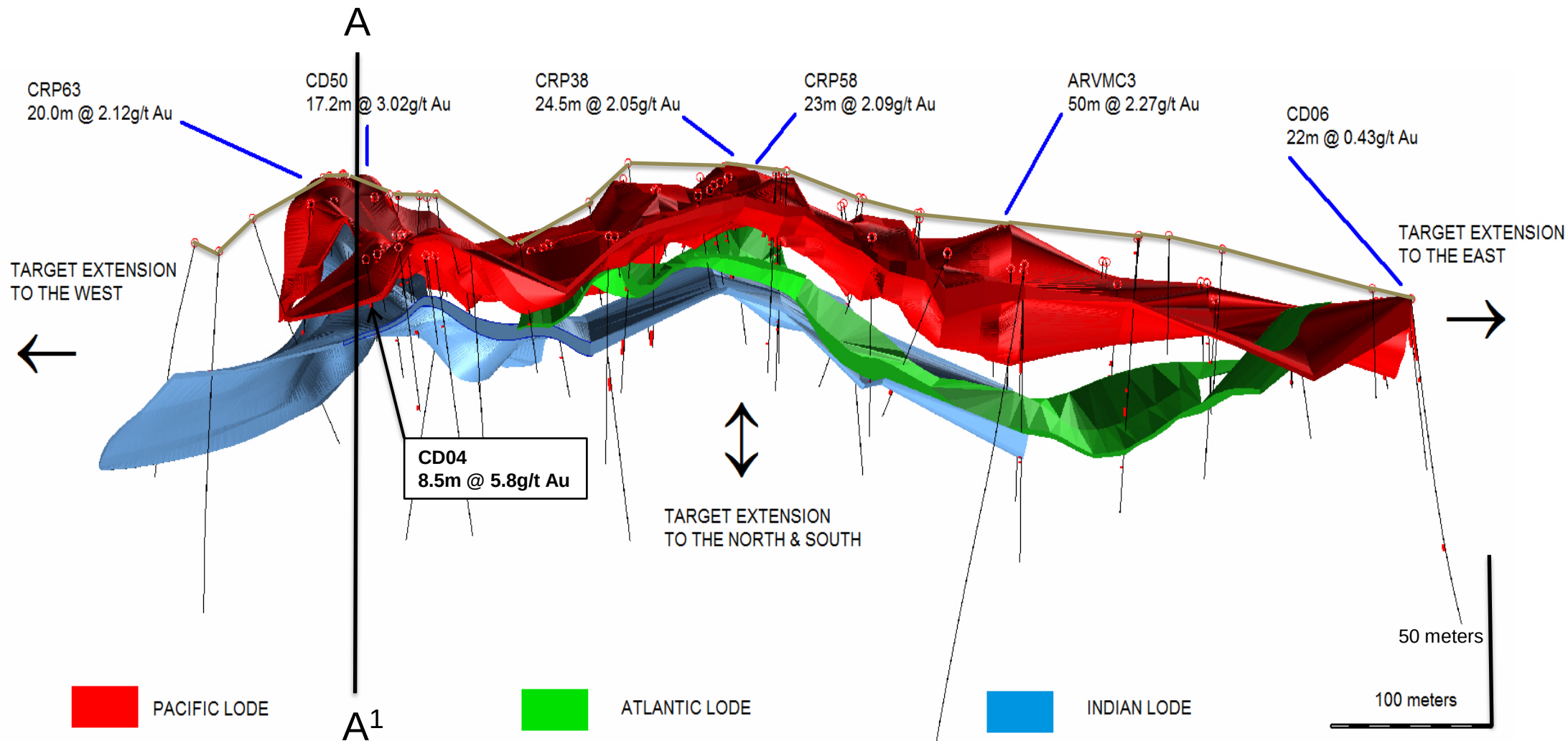
Mt Clement - a multi-million ounce gold province

Ashburton Gold Province

- A revitalised Gold Province
- Over 200km strike
- In excess of 1.5 million ounces of gold already discovered
- More than 70 known gold occurrences
- Under-explored
- Substantial potential for new discoveries



Mt Clement – model developed from historical drilling



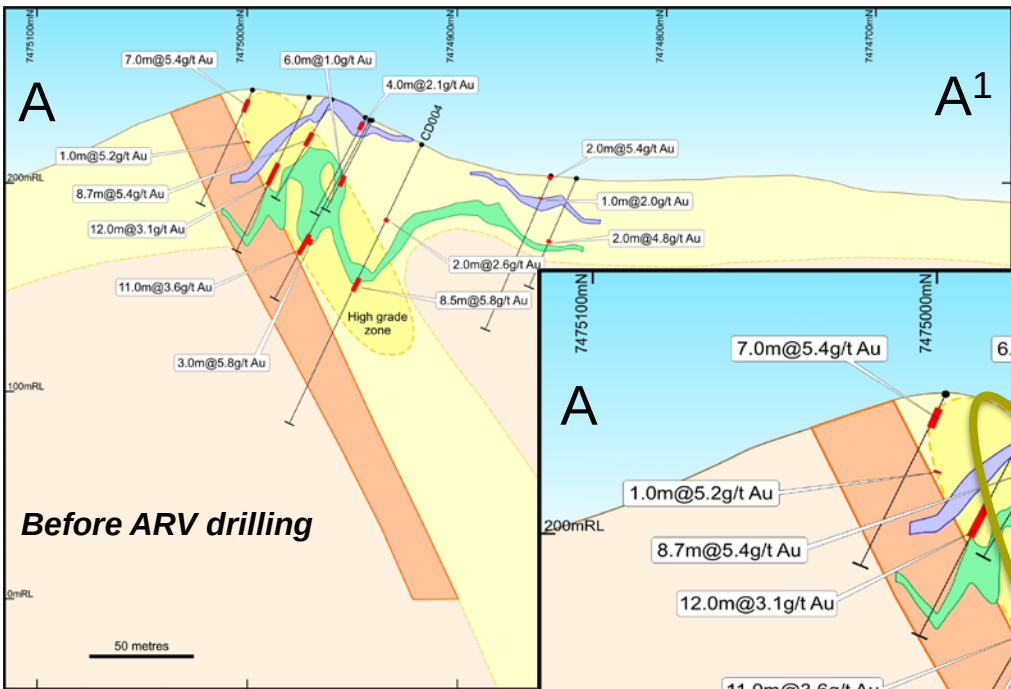
3D MODEL OF THE MT. CLEMENT GOLD DEPOSIT.
Model shown looking towards the North

Drilling by BHP, WMC, Newmont
All gold lodes occur within the top 40m from surface

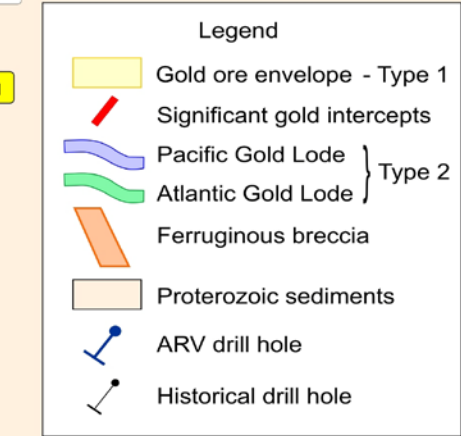
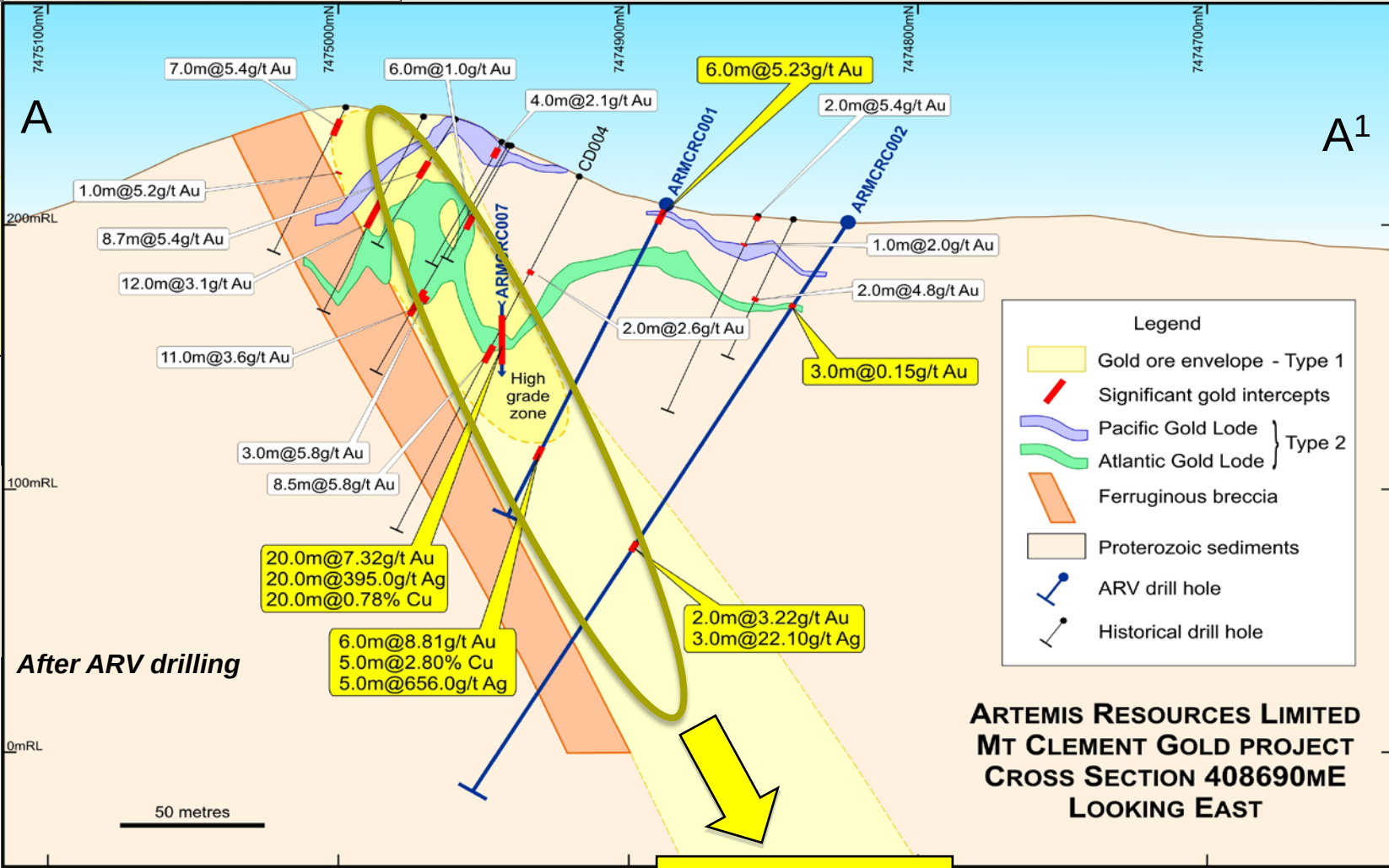
Mt Clement – targets confirmed by ARV drilling

Well-targeted drilling has discovered a high grade gold, silver and copper zone identified by the ARV technical team.

Mt Clement drilling success proves the capability of the ARV team to locate economic precious and base metal deposits.



Each drill hole at Mt Clement increases the tonnage of mineralisation and number of ounces



ARTEMIS RESOURCES LIMITED
MT CLEMENT GOLD PROJECT
CROSS SECTION 408690ME
LOOKING EAST

Targeting more gold

Mt Clement Gold Deposit

New high grade gold, silver and copper zone discovered by the ARV team

Four (4) ARV drill holes hit;

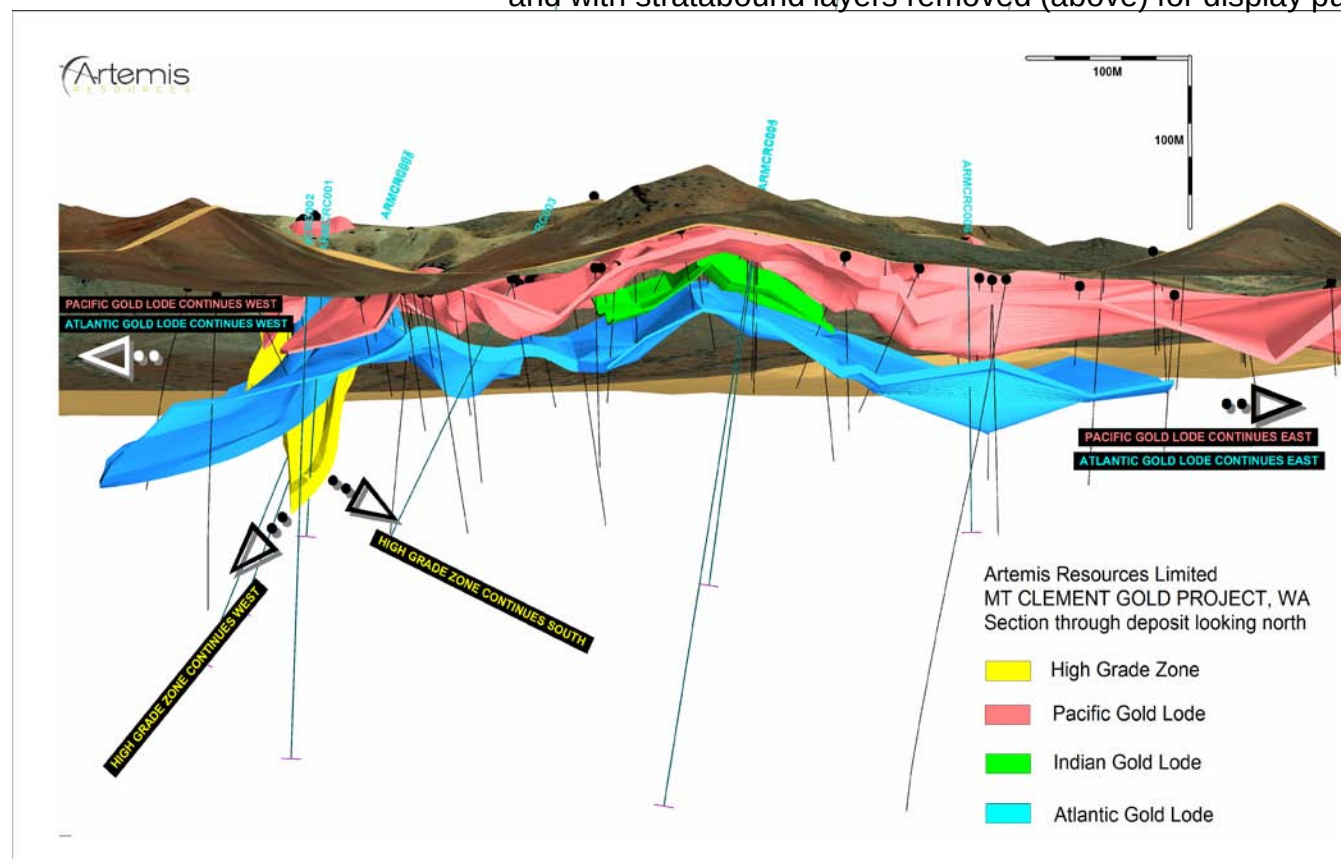
6m @ 8.8g/t gold, 558g/t silver
20m @ 7.3g/t gold, 395g/t silver
35m @ 2.9g/t gold, 119g/t silver
2m @ 3.22g/t gold

High grade zone and stratabound gold continues in all directions as well as at depth

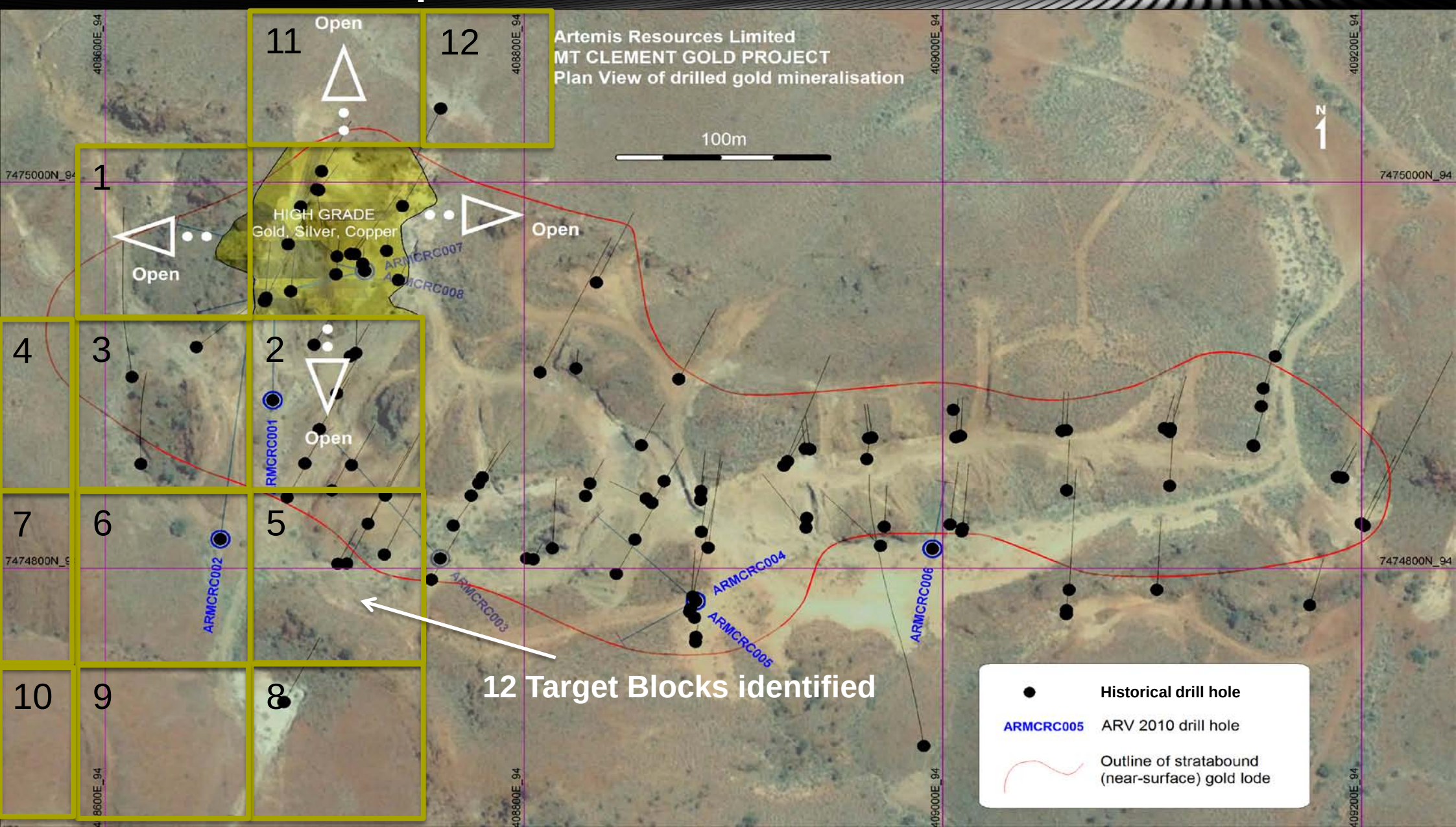
Excellent potential for multiple high grade zones which remain to be discovered

High grade zone

Mineralisation Model showing new high grade zone (below) and with stratabound layers removed (above) for display purposes



Mt Clement Gold Deposit – Plan view



Mt Clement Gold Deposit – continuing discovery

- Every drill hole drilled by Artemis has intersected gold
- High grade gold, silver and copper values continue to be intersected in drilling
- Two styles of mineralisation identified;
 - near-surface stratabound gold
 - high grade lode (+6g/t Au, +100g/t Ag, +/- Cu)
- The deposit remains open along strike and at depth
- The ARV technical team expects Mt Clement gold ounces will continue to grow as more drilling is completed.
- Targeting new discoveries.

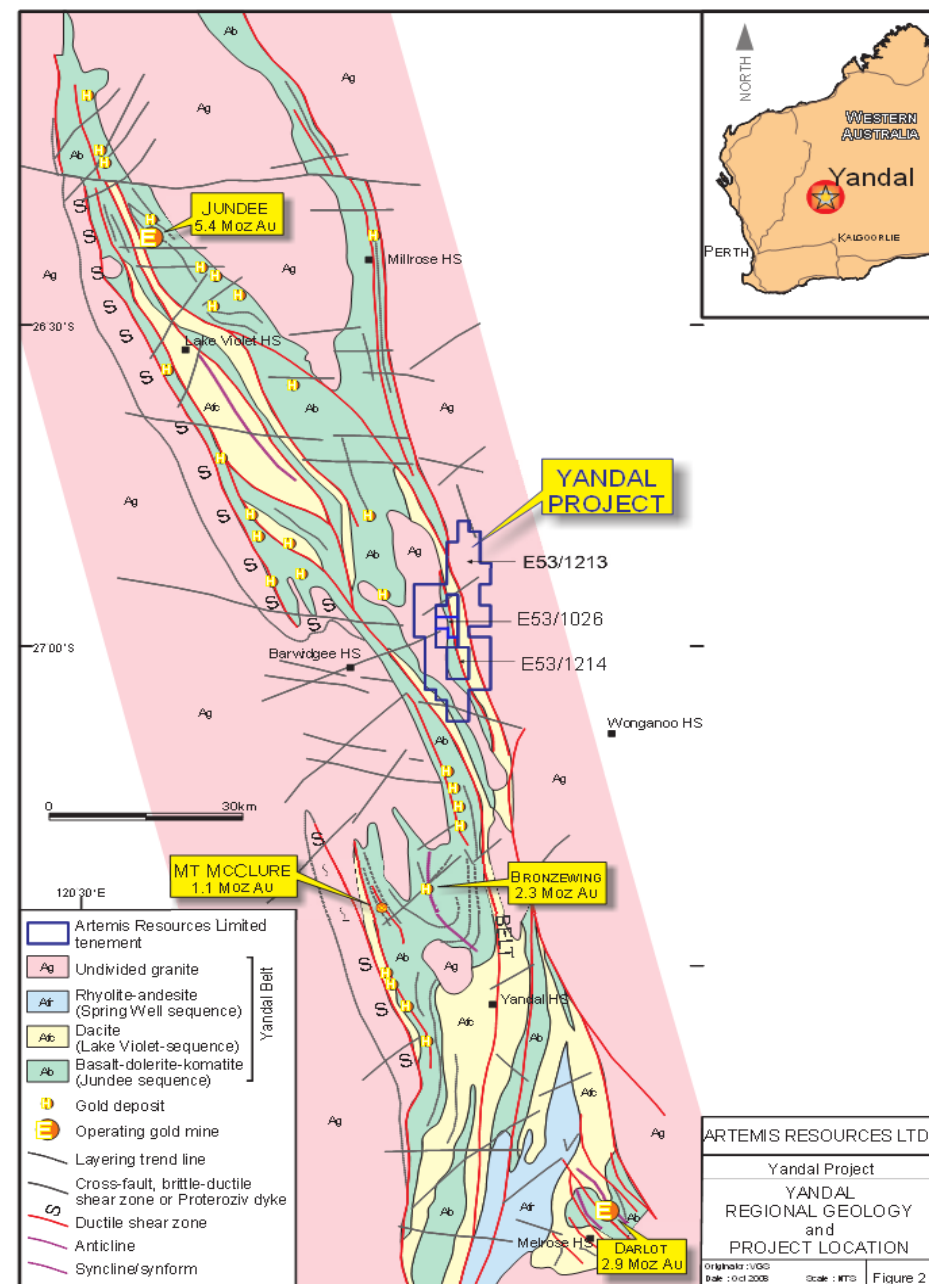


Yandal Gold Deposit – world-class gold province

- Multiple drilled gold deposits under tenure by ARV
- Located in the highly productive Yandal Gold Belt (+12million ounces mined to date)
- Along strike from and geologically identical to the
- Jundee Gold Mine (5.4Moz) and the Bronzewing Gold Mine (2.3Mozs)
- Sited on the same fault structures as all other known gold deposits and mines in the province
- More than 30km mineralised strike under tenement by ARV
- Mineralisation remains open in all directions

10 Deposits requiring immediate resource definition drilling:

Lowlands	Eric
Six Mile	Dan's Find
International	Gossan
Forked Stick	Sandalwood
Slav Well	Slav Well North



Yandal Gold Deposit – significant drilling results

SNC05 returned 4m @ 3.90g/t Au from 20 – 24m inclined depth at *Slav Well Deposit* (Oct 2007)

BRC029 returned 7m @ 11.44g/t Au from 17 – 24m inclined depth at *Forked Stick Deposit* (Oct 2007)

BRC043 returned 2m @ 4.15g/t Au from 51 – 53m depth at *International Deposit* (Oct 2007)

BRC037 returned 2m @ 3.75g/t Au from 46 – 48m depth at *6 Mile Well Deposit* (Oct 2007)

L89 returned 8m @ 6.30g/t Au from 28 – 36m inclined depth at *Lowlands Deposit* (Oct 2007)

5 tested deposits
12 untested targets



Sample farm at Lowlands Deposit
No systematic, sustained exploration has occurred since the early 1990's

Yandal Gold Deposit – Open cut opportunity

Consistent grades encountered in previous drilling near surface to 70m depth

The open cut mine potential is considered excellent (conceptual pit outline shown below)

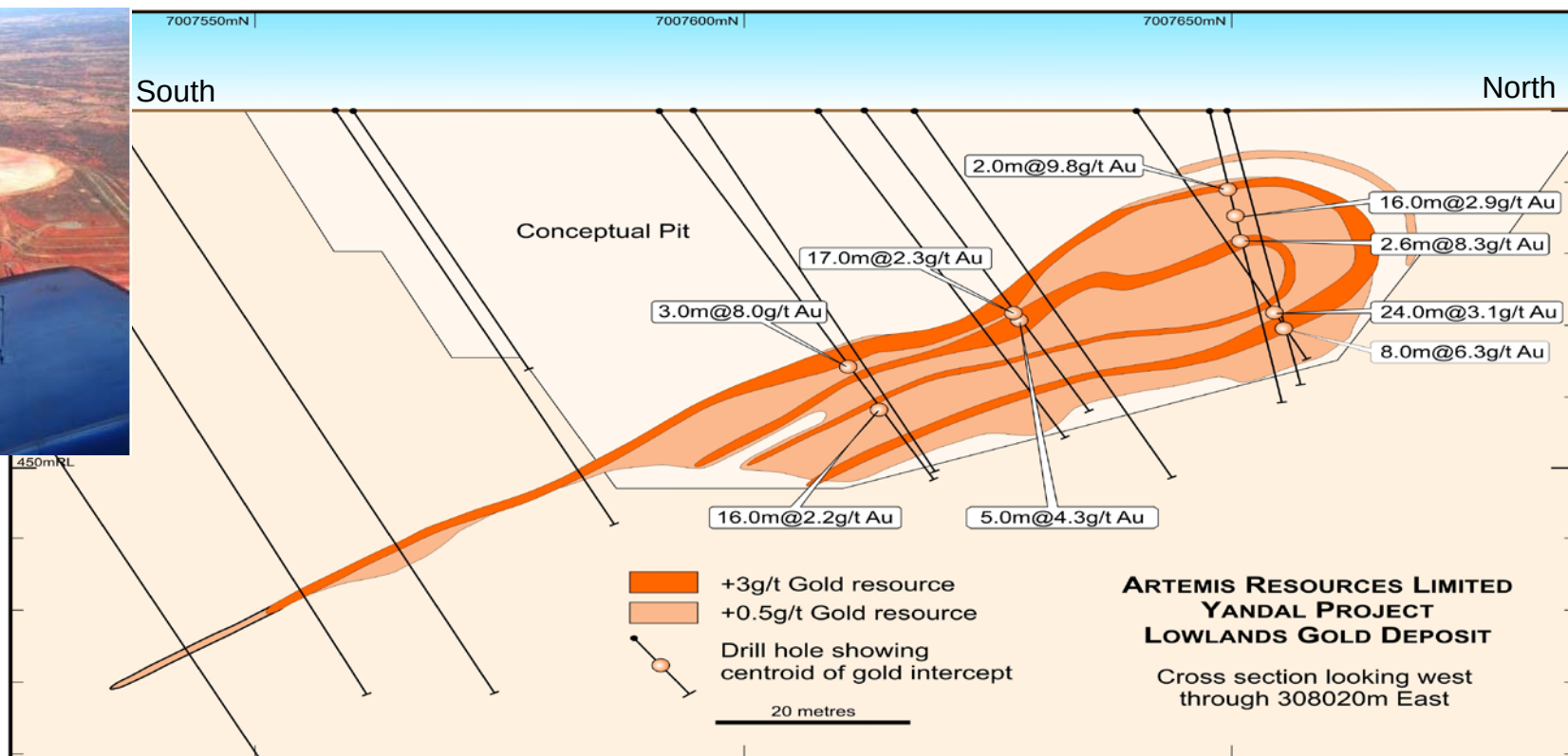
Located 30km from an operating CIP gold processing facility at Bronzewing Gold Mine

Cross sections show depth and strike extension possibilities



Bronzewing Gold Mine >2mtpa

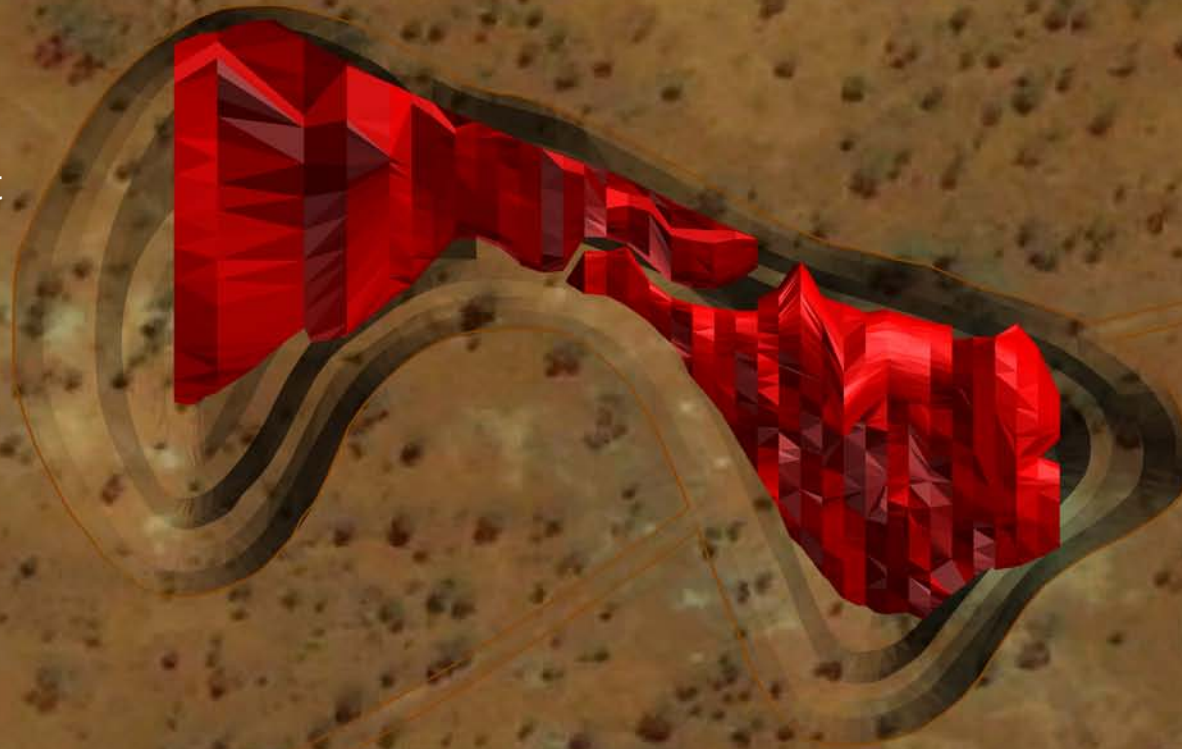
Source: Navigator Resources



Yandal Gold Deposit – Lowlands Deposit

This conceptual open cut mine at Lowlands is only 1 of 17 possible open pits

Open to the west



Open to the east

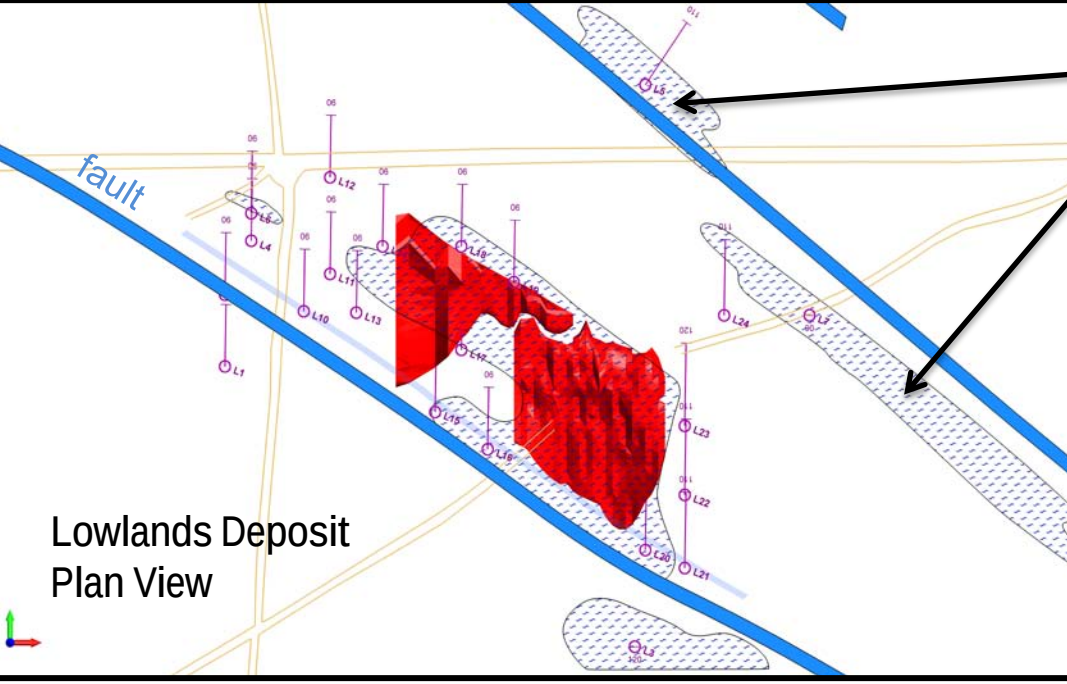


N
↑

250m



Yandal Gold Deposit – Modeling provides abundant targets



Lowlands Deposit Plan View

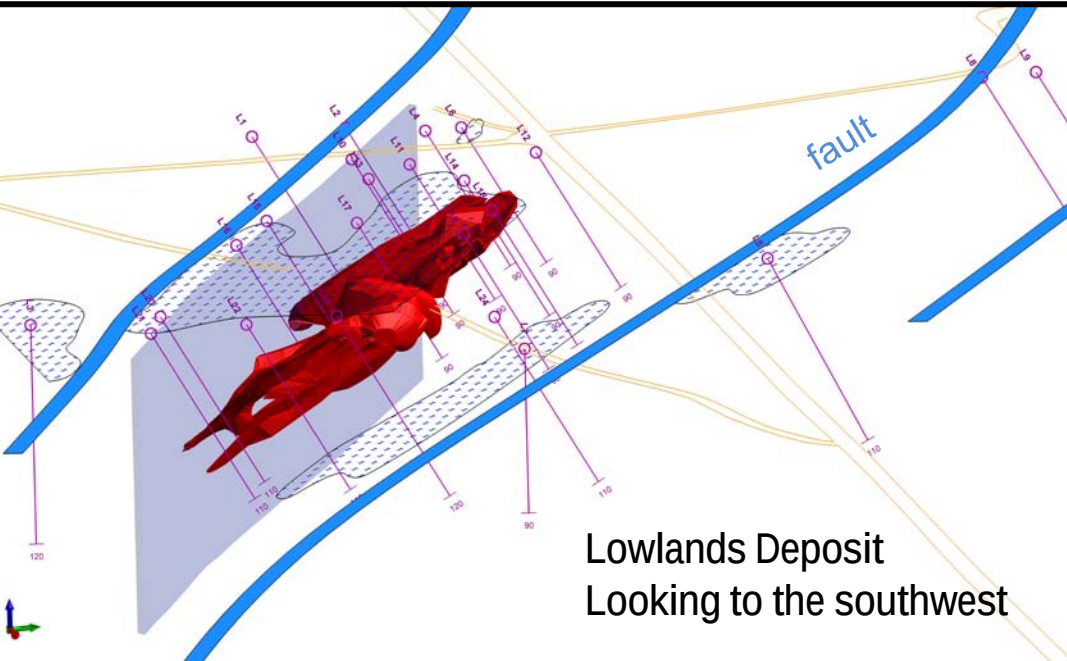
Sheared, altered mafic rock

Geological folding provides numerous repetitions of gold mineralisation

Faulting suggests multiple, regional targets which are under-explored but highly prospective

Abundant drilling targets already identified and hole locations planned.

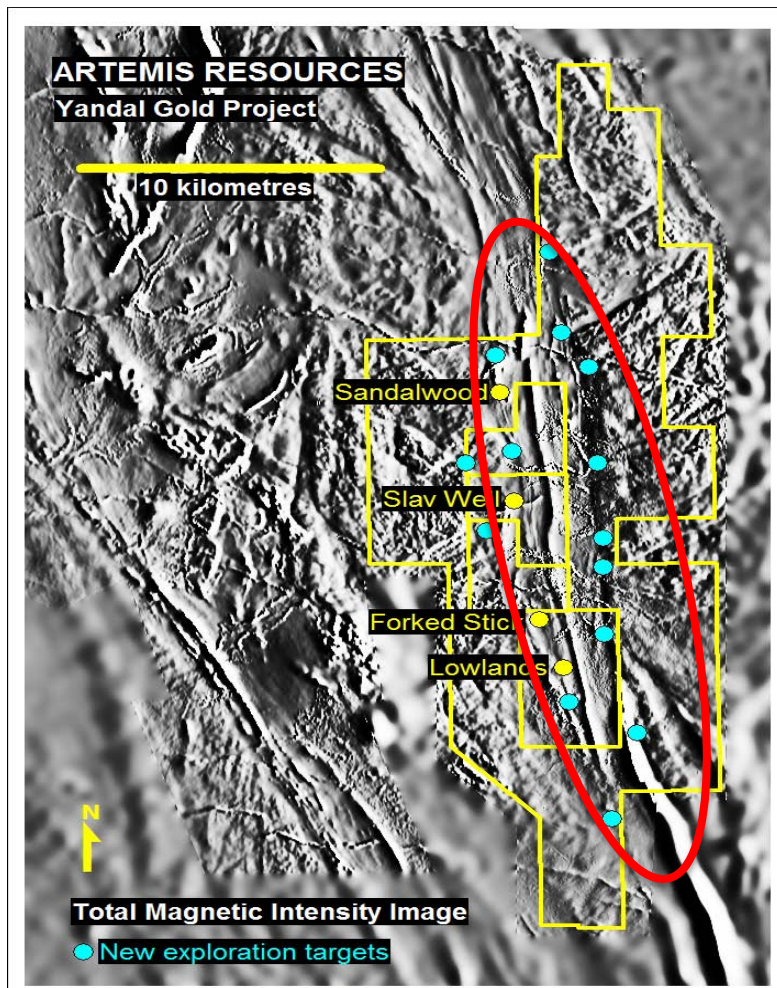
Gold mineralisation is open and continuous



Lowlands Deposit
Looking to the southwest

Sheared, altered mafic rock has a direct correlation with gold mineralisation. This provides abundant and highly prospective drilling targets

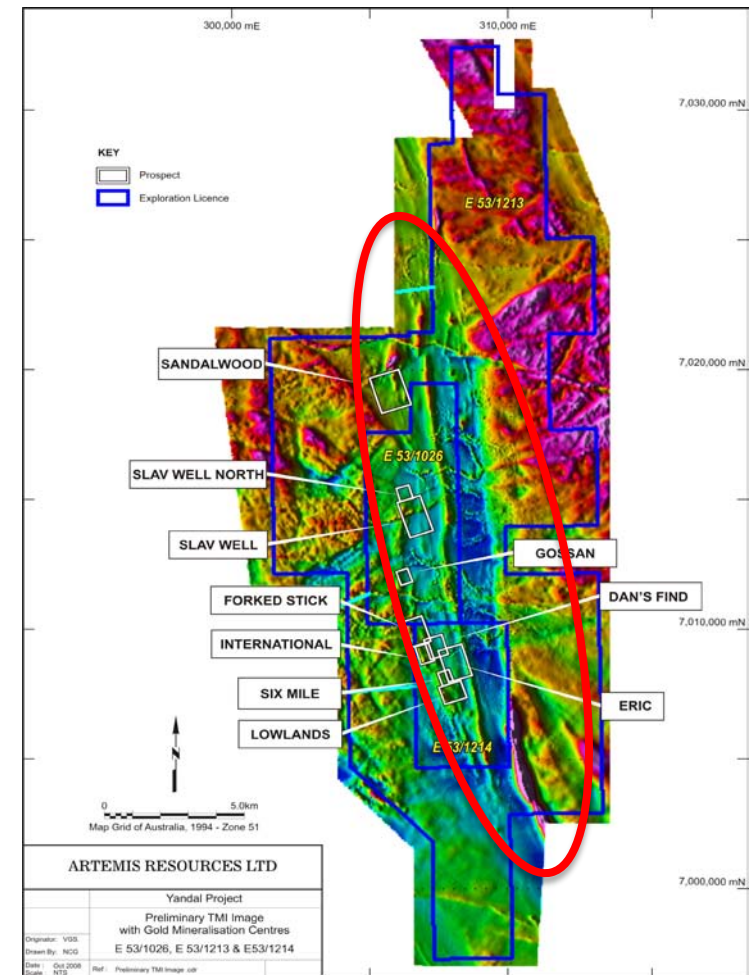
Yandal Gold Deposit – potential for large gold resource



Interpretation of magnetic data has identified 12 additional targets for gold mineralisation at Yandal

A geological model has been developed along the 20 kilometre strike, identifying multiple untested targets

Planning for a drilling program is progressing with validation of 1,471 existing drill holes now complete



Indicative Exploration Timetable

Artemis Exploration Programme

	Quarter 2010 Sept	2010 Dec	2011 March	2011 June
Mt Clement				
Field Mapping				
Drilling				
Met Test work				
Yandal				
Field Mapping				
Drilling				
Met Test work				
Uranium / REE				
Field Mapping/sampling				

ARV Unique Investment Advantage

- ✓ Management and technical team has proven history of exploration success
- ✓ Two advanced gold deposits in WA with substantial potential for growth through exploration success
- ✓ Mt Clement and Yandal - gold projects within multi-million ounce gold belts
- ✓ Immediate drilling targets outlined
- ✓ Drilling underway at Mt Clement – results exceeding expectations
- ✓ Mt Clement is 30km trucking distance to Paulsen's operating CIP plant owned by JV partner, Northern Star Resources (adj. pictures)
- ✓ Yandal is 35km trucking distance to an operating CIP processing plant
- ✓ Short-term exploration targets with near-term production potential



Appendix – ARV - Strategic Project Portfolio

Gold

- ◆ Mt. Clement Gold Project
- ◆ Yandal Gold Project



Increase value of **ARV** gold inventory through aggressive exploration

Uranium

- ◆ Mundong Well
- ◆ Cambridge Creek
- ◆ TAG II and IV, Niger

Rare Earths/Rare Metals

- ◆ Yangibana (REE)
- ◆ Buchanan's Creek (Li/Ta/Nb)



Increase value of **ARV** projects through JV and corporate opportunities

