14 May 2013

Australian Securities Exchange
Company Announcements

Artemis Resources Exhibiting at the Sydney RIU Conference

Artemis Resources Limited (ASX: ARV) is exhibiting at the Sydney RIU Conference being held at the Sofitel Sydney Wentworth.

Attached is an Updated Investor Presentation.

Guy Robertson
Executive Director

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Artemis Resources Ltd

FOCUSED & ACTIVE EXPLORATION COMPANY

ASX: ARV

Investor Update

May 2013

Artemis Resources Ltd

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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.

The Company's Exploration Targets include potential quantity and grade and are conceptual in nature. There has been insufficient exploration to define these mineral resources and it is uncertain if further exploration will result in the determination of mineral resources.

[1] Eastern Hills Exploration Target previously reported in ASX announcement dated 16 January 2013
[2] Mt Clement Inferred Resource previously reported in ASX Announcement dated 26 July 2011

Competent Person's Statement

The information in this document that relates to Exploration Results and Exploration Targets is based on information compiled or reviewed by Mr Trevor Woolfe, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Woolfe is a consultant to the Company, and is employed by Alexander Cable Pty Ltd. Mr Woolfe has sufficient experience which is relevant to the styles of mineralisation and types of deposits 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'. Mr Woolfe consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Artemis RESOURCES

Highlights

- Portfolio of quality gold and metals assets in proven producing regions;
  - **Eastern Hills Project**: Exploration Target[1]; 410kt-1.25Mt @ 1.5-1.9% Sb & 2.1-2.7% Pb
  - **Mt Clement Gold Project**: 80,000oz Au eq. JORC compliant Inferred Resource[2]
  - **Yandal Gold Project**: 300 sq km in the multi-million ounce Yandal Gold Belt
  - **West Pilbara Project**: 700 sq km prospective for copper, nickel, gold & iron
- Experienced board and management, strengthened technical team
- Focused strategy of quality project identification, exploration, discovery and development
- Sound financial position; cash and securities of $1.5 million (end March 2013)
- Artemis offers investors a low cost entry point into an emerging gold and metals exploration company

ARV Corporate Snapshot

Issued share capital	
ASX Code	**ARV**
Shares on issue	484.9 million
Options $0.04 Nov/Dec 2014	20.0 million
Market Capitalisation ($0.10) undiluted	**$4.8 million**
Cash and investments (31 March 2013)	**$1.5 million**

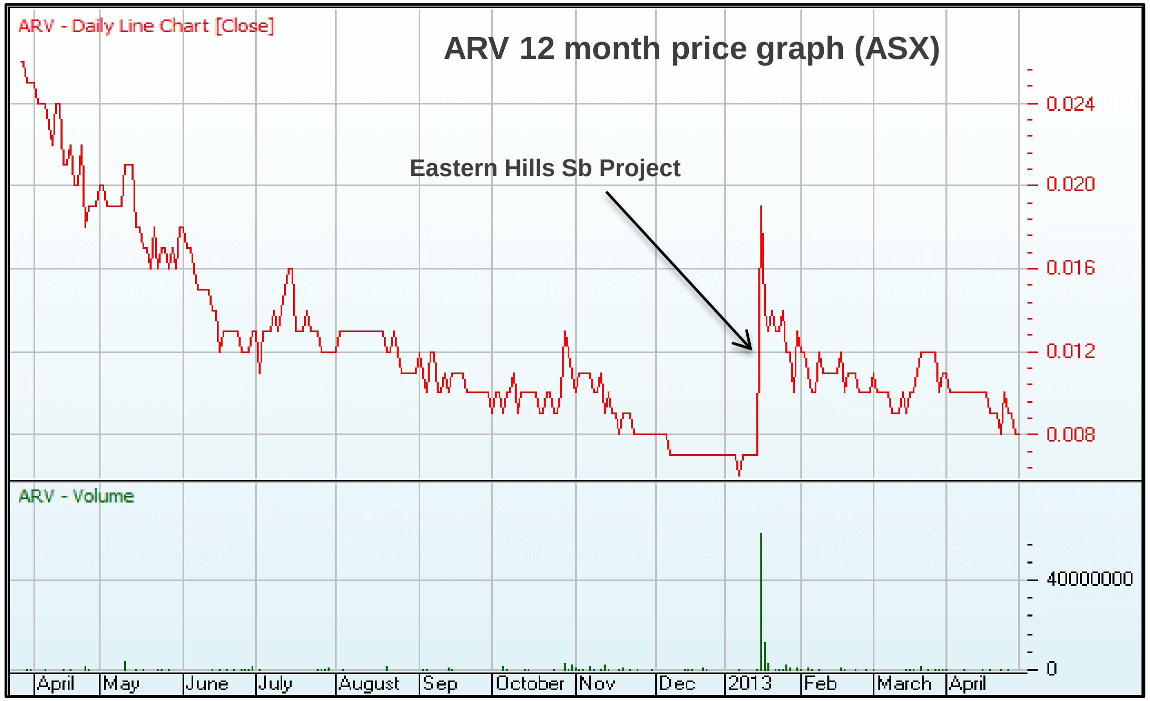
Major shareholders	
Black Swan Global PL	18.2%
Legend Mining Ltd	12.4%
Citicorp Nominees PL	6.1%
Top 20 shareholders	**54.2%**

Board of Directors

- **Guy Robertson** (BCom(Hons), CA) **Executive Director**
- **George Frangeskides** (LLB) **Non-executive Director**
- **Shannon Coates** (BA. LLB) **Non-executive Director**

Senior Management

- **Trevor Woolfe** (BSc(Hons), MAusIMM, GAICD) **GM Exploration**
- **Warrick Clent** (BSc, MAusIMM) **Exploration Manager**
- **Guy Robertson** (BCom(Hons), CA) **Company Secretary**



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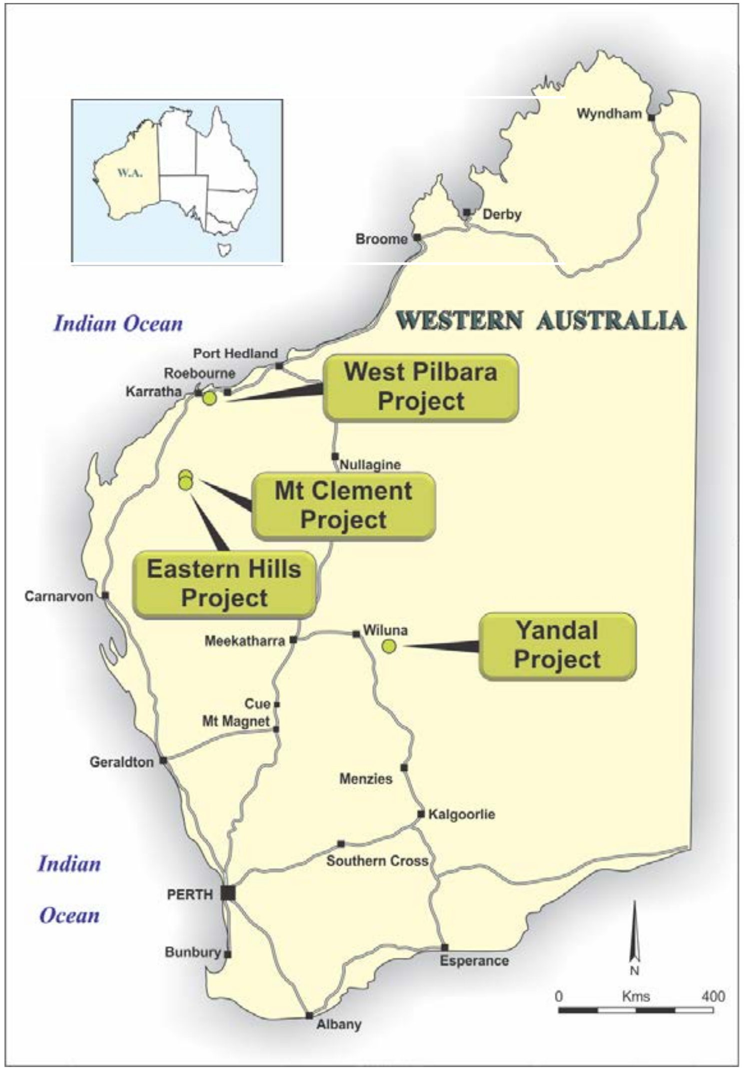

Senior Management Team

- **Guy Robertson**
  Executive Director
  - experienced director and CFO with mining and exploration companies with 25 years experience including CFO/Corporate positions in the exploration sector.

- **Trevor Woolfe**
  General Manager Exploration
  - geologist with over 20 years experience in the exploration and mining industry with companies including CRA, Great Central Mines, Newcrest and Placer Dome. Former MD of ASX listed Anchor Resources Ltd and Serena Resources Ltd (unlisted).

- **Warrick Clent**
  Exploration Manager
  - geologist with almost 20 years experience in mining and exploration with companies including Taipan, Placer Pacific, Anaconda Nickel, WMC/BHP, Trafford and Robust Resources.

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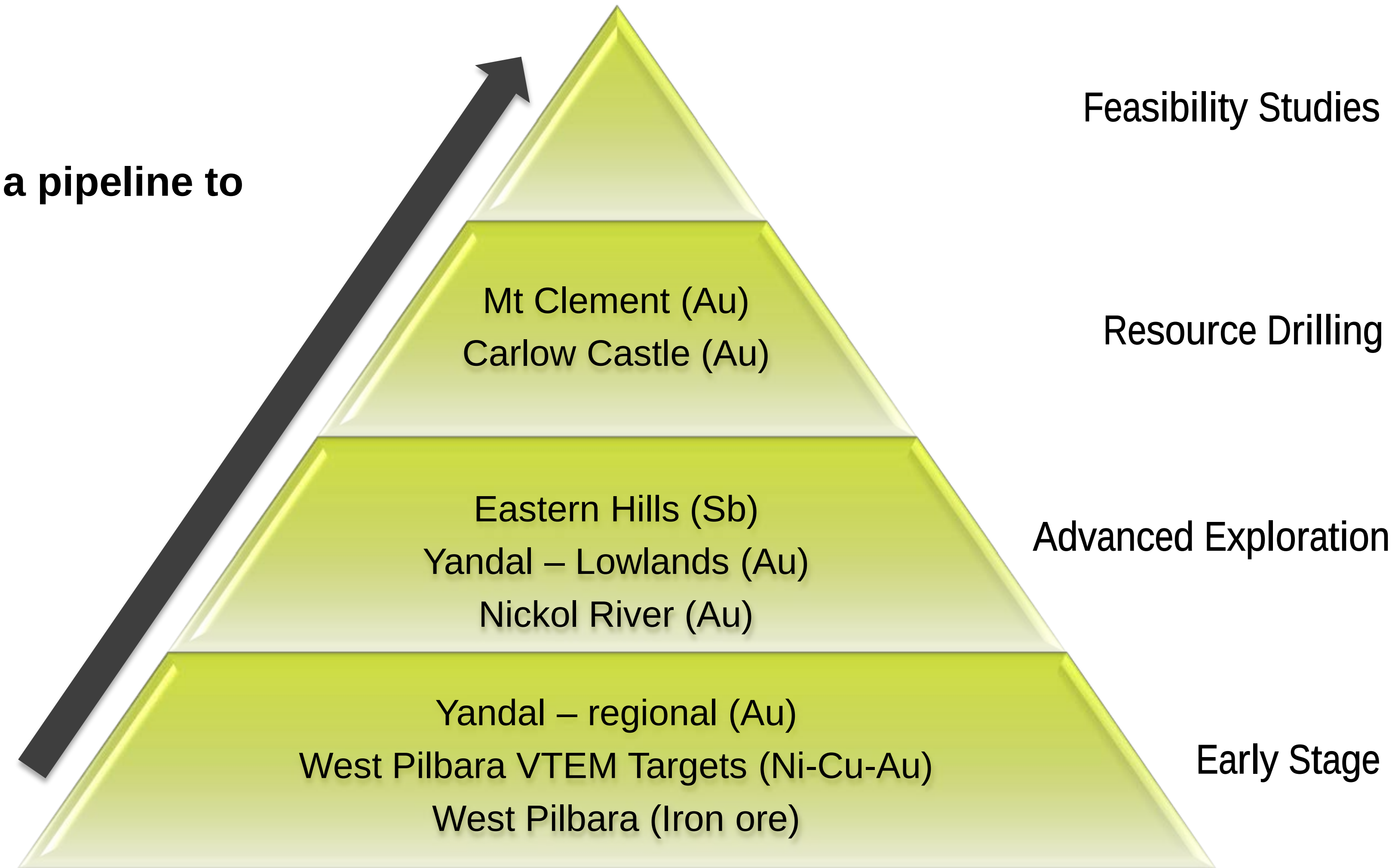
ARV Strategy

Artemis aims to achieve development stage projects through successful exploration and acquisition

A strong portfolio with a pipeline to development:

- Exploration/discovery
- Acquisitions
- Development
- Production / Toll treating



Mount Clement Project: **Gold and Antimony**

Overview

- ARV holds 80:20 gold JV interest over four tenements (with Northern Star Resources Limited).
- ARV holds 100% interest in one Exploration Licence.
- Located in prospective Ashburton Basin; area achieving increased exploration success.

- Two major prospects identified:
- **Eastern Hills Antimony-Lead (Sb-Pb)** deposit recently announced, with high grade results
- **Mt Clement Gold** - JORC-compliant inferred gold-silver resource with potential to substantially increase resources via further drilling.

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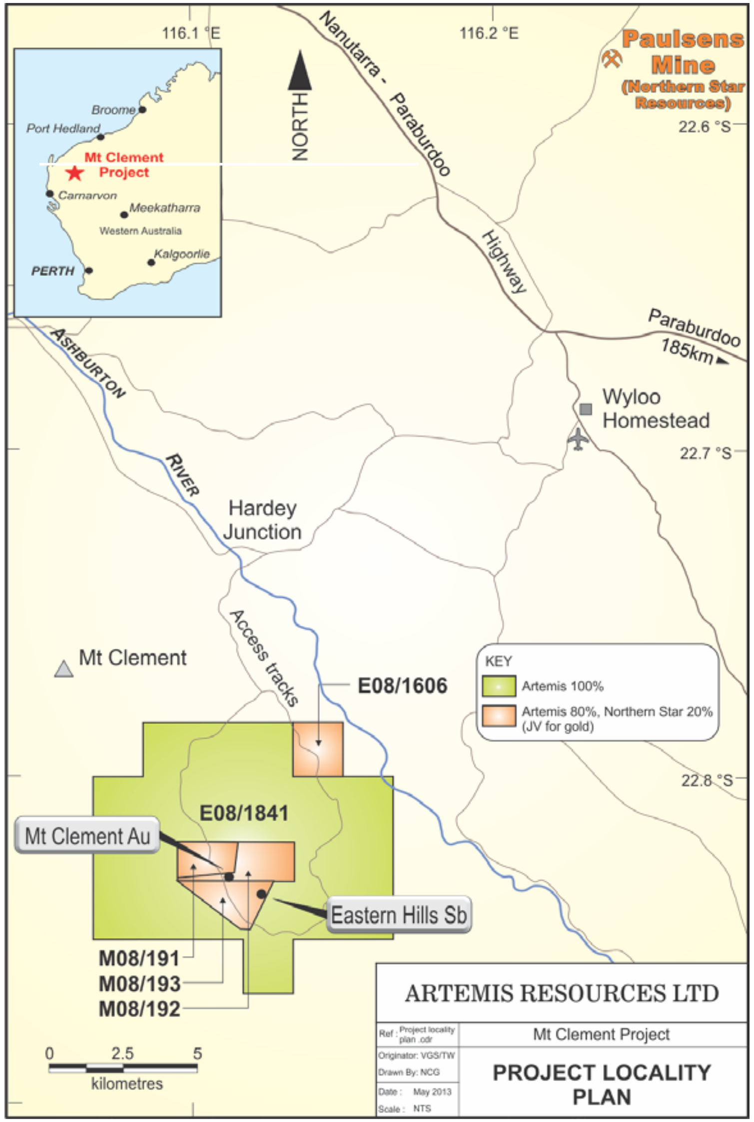

Antimony:

Eastern Hills Project

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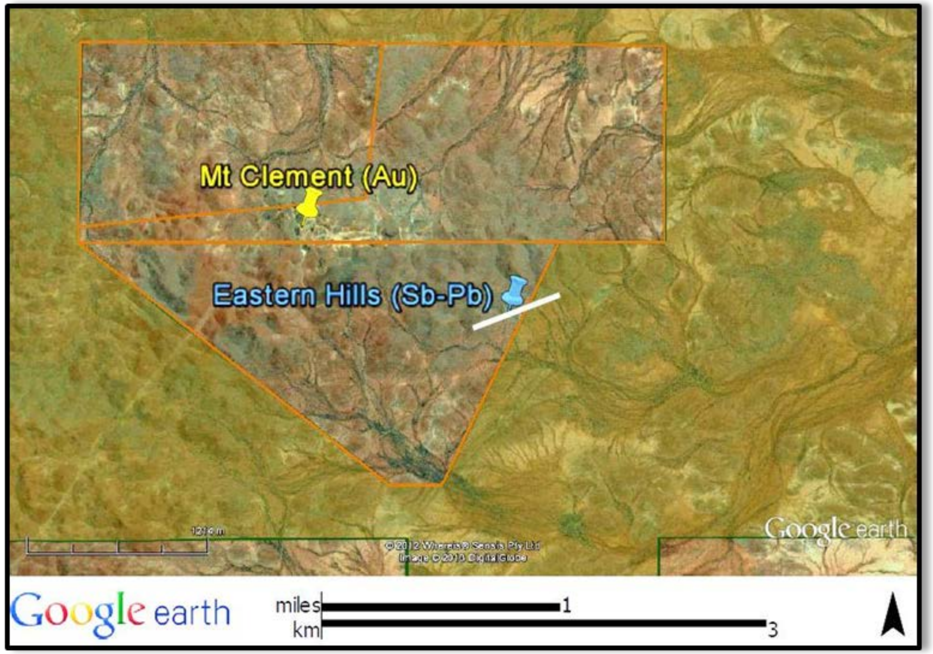
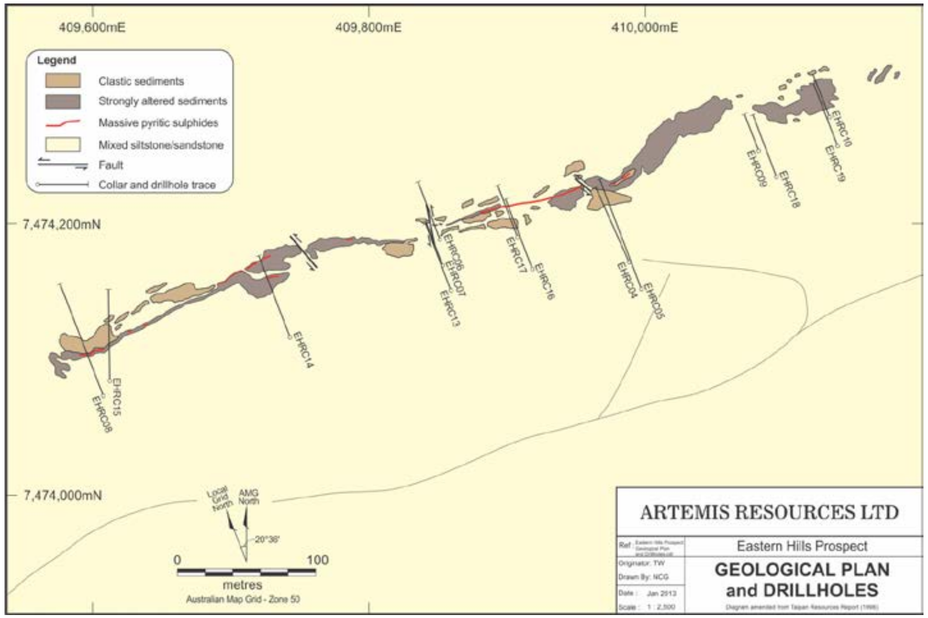
Eastern Hills – Antimony-Lead Deposit

Overview

- Discovered by Taipan Resources NL in 1996-97
- Less than 1km SE of Mt Clement gold project
- Artemis estimates initial Exploration Target in the range;

  410kt - 1.25Mt @ at 1.5-1.9% Sb and 2.1-2.7% (Pb)[1]
- Precious metal credits of 0.22g/t Au & 26g/t Ag
- 14 RC drillholes define the quartz vein hosted deposit
- Massive sulphides include pyrite, pyrrhotite and boulangerite (lead-antimony sulphide)
- Favourable initial metallurgy indicates recoveries for Sb and Pb over 98% using simple flotation





Eastern Hills – Antimony-Lead Deposit

Recent Rockchip Sampling

- Initial reconnaissance rockchip sampling (13 samples) during March quarter
- Returned high grade antimony, lead and silver results

- **Antimony**: 4 samples greater than 1% Sb, **maximum 7.5% Sb**
- **Lead**: 4 samples greater than 5% Pb, **maximum 16.8% Pb**
- **Silver**: 4 samples greater than 30 g/t Ag, **maximum 115 g/t Ag**
- **Gold**: 7 samples greater than 0.3 g/t Au, **maximum value 0.7 g/t Au**

See ARV quarterly report March 2013

Sample 238709

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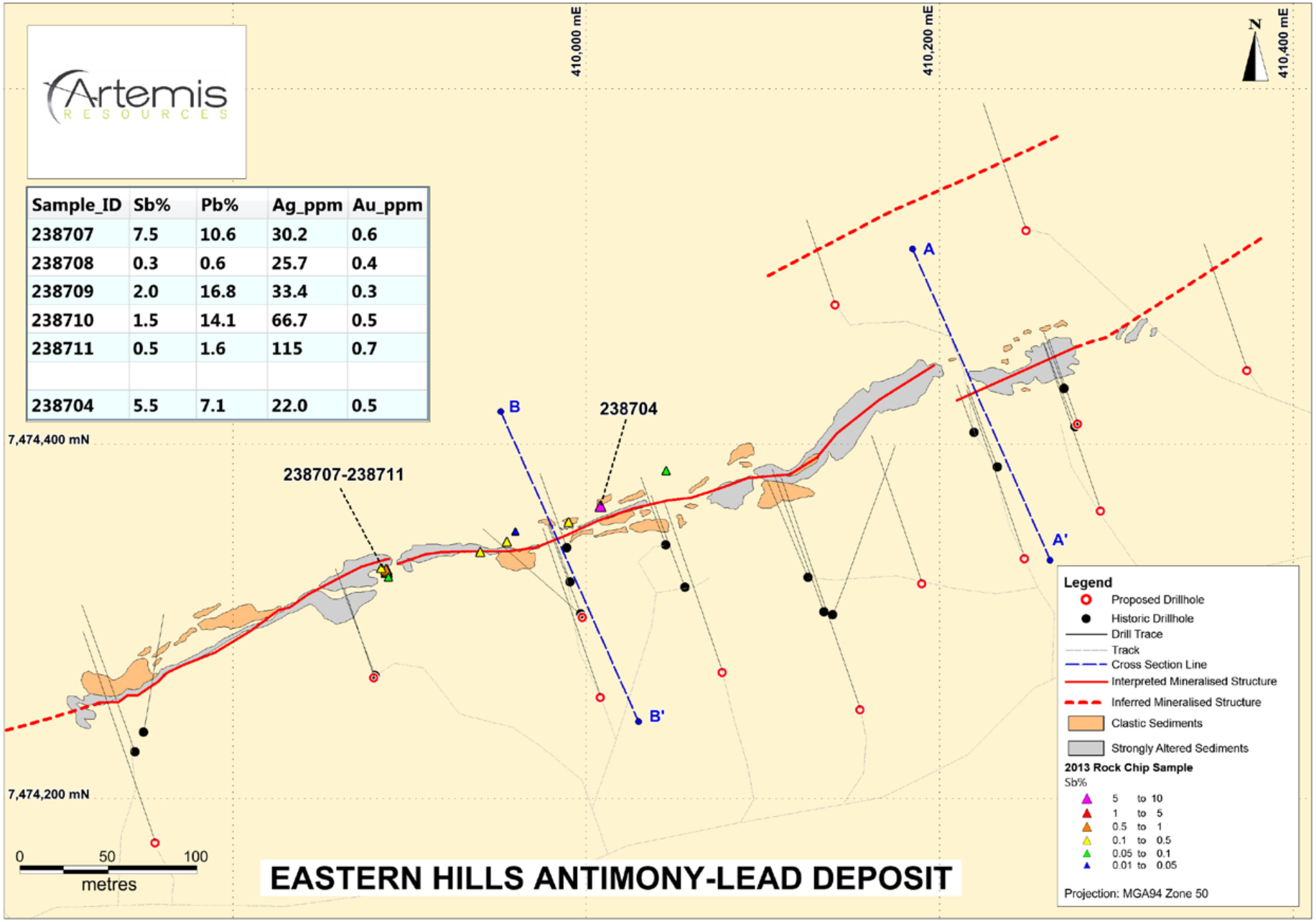
Eastern Hills – Proposed RC Drill Program



Sample_ID	Sb%	Pb%	Ag_ppm	Au_ppm
238707	7.5	10.6	30.2	0.6
238708	0.3	0.6	25.7	0.4
238709	2.0	16.8	33.4	0.3
238710	1.5	14.1	66.7	0.5
238711	0.5	1.6	115	0.7
238704	5.5	7.1	22.0	0.5

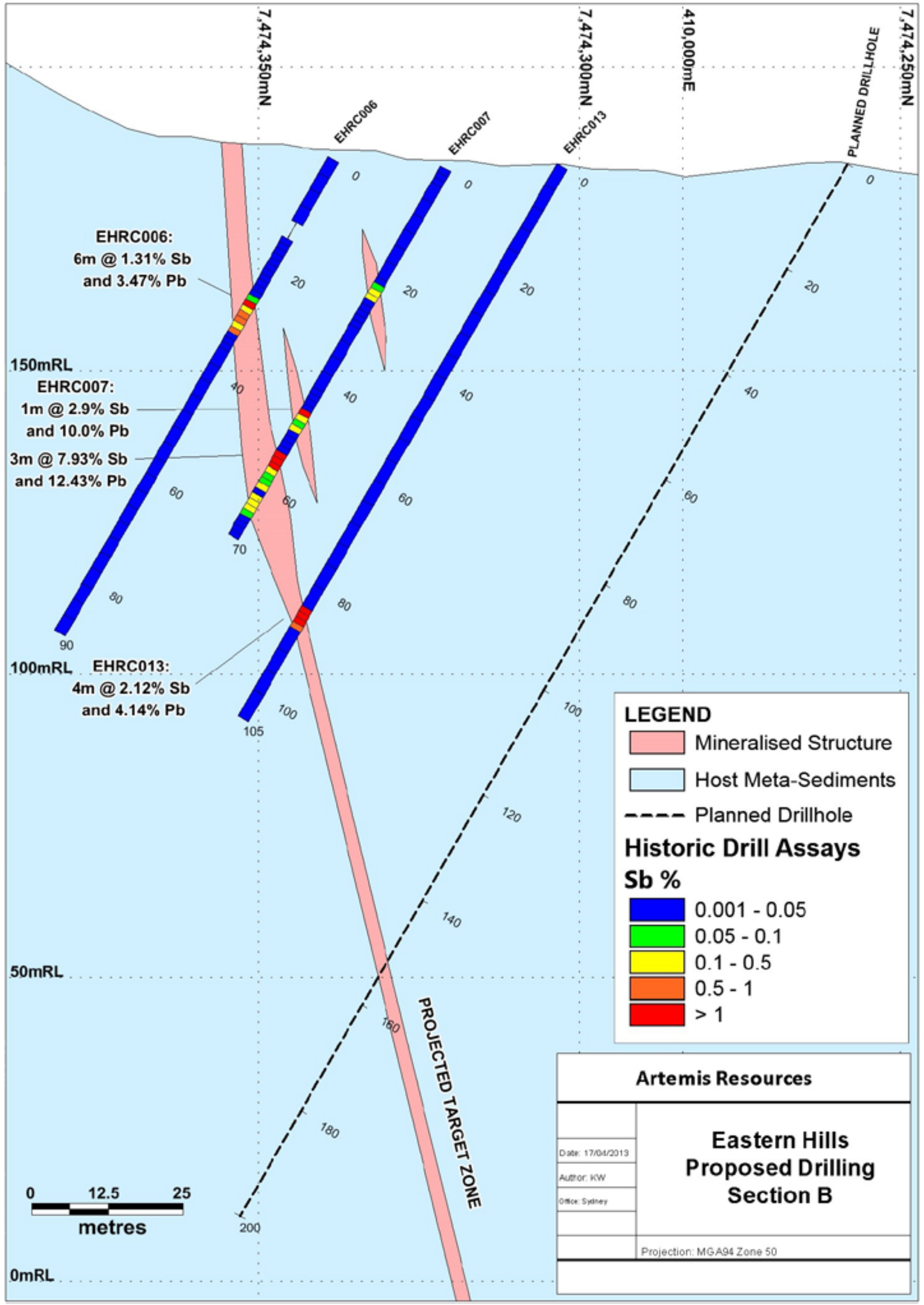
- RC drill program proposed for mid 2013, awaiting Dept approval

Eastern Hills – Antimony-Lead Deposit

Proposed Drill Program

- Departmental approval is expected during May for a **2,800m RC drill program** to further test the Eastern Hills potential and:
- Confirm historical drill results
- Obtain a maiden JORC compliant resource
- Expand the known mineralisation, both down dip and along strike
- Test an adjoining zone of anomalous gold mineralisation

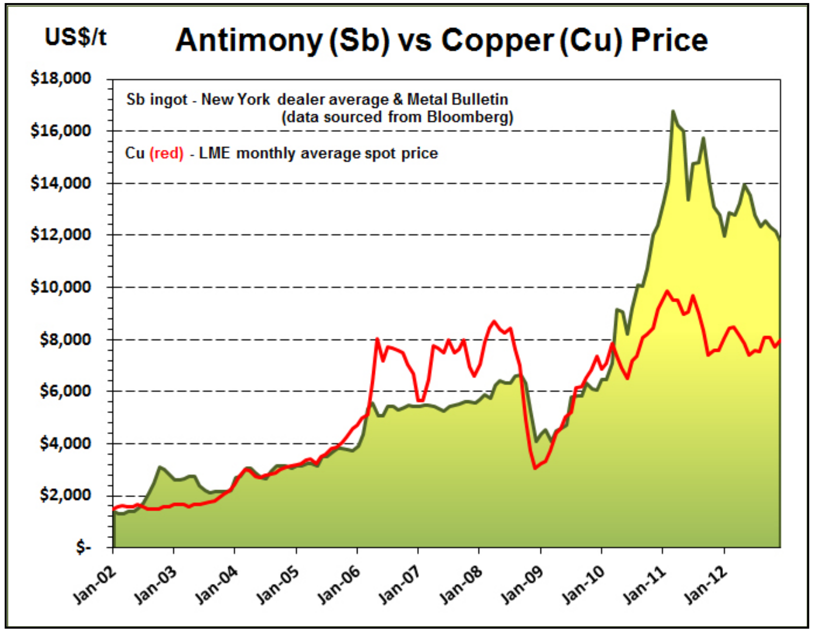
See ARV quarterly report March 2013

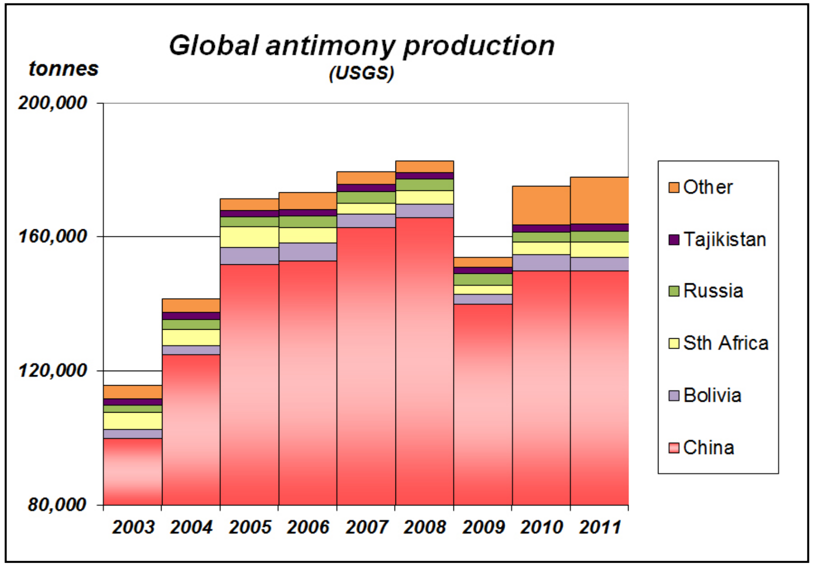


Eastern Hills – Antimony-Lead Deposit

Why antimony (Sb)?

- Antimony is a specialty metal
- Used in fire retardants, hardener in alloys, lead acid batteries, PET plastic production
- Antimony price has surged 5-fold in past ten years
- Now trading around U$10,500/t, ~50% higher than copper which is currently at ~U$7,200/t
- Strong demand since early 2000s
- Global output dominated by China (around 85%)
- Alternative sources are high sovereign risk countries – new sources required
- Risky reliance on China as a source of global antimony has led to the European Commission placing antimony on its list of 14 Critical Raw Materials





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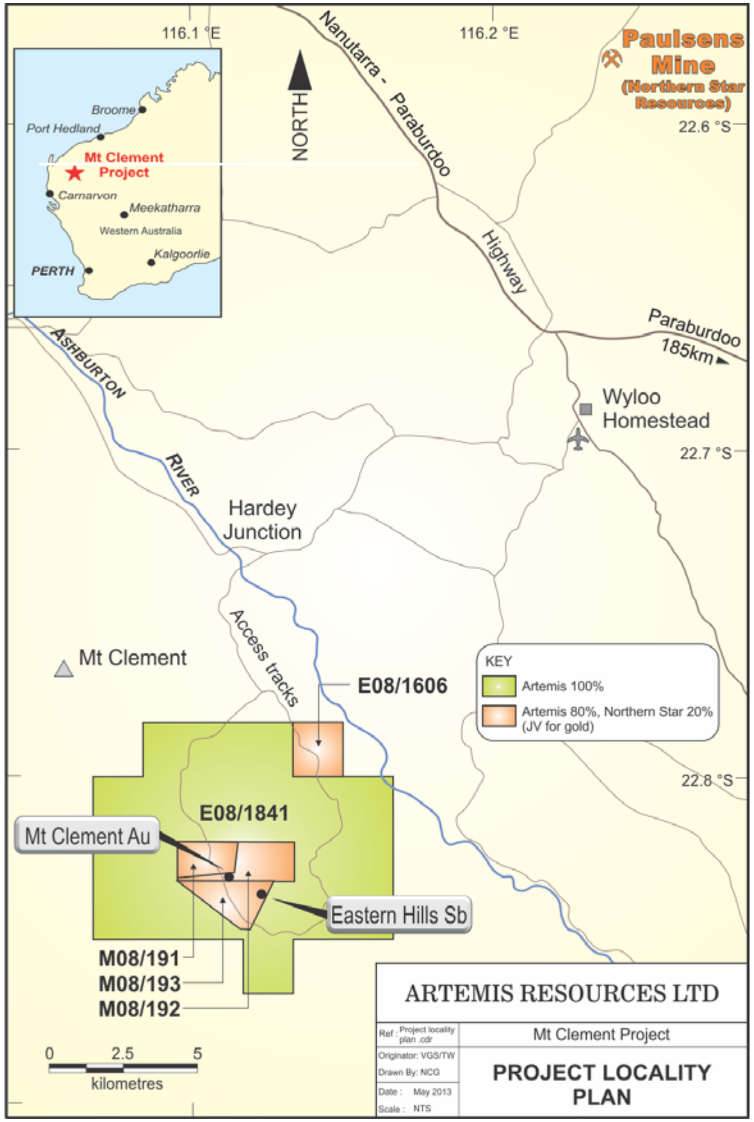


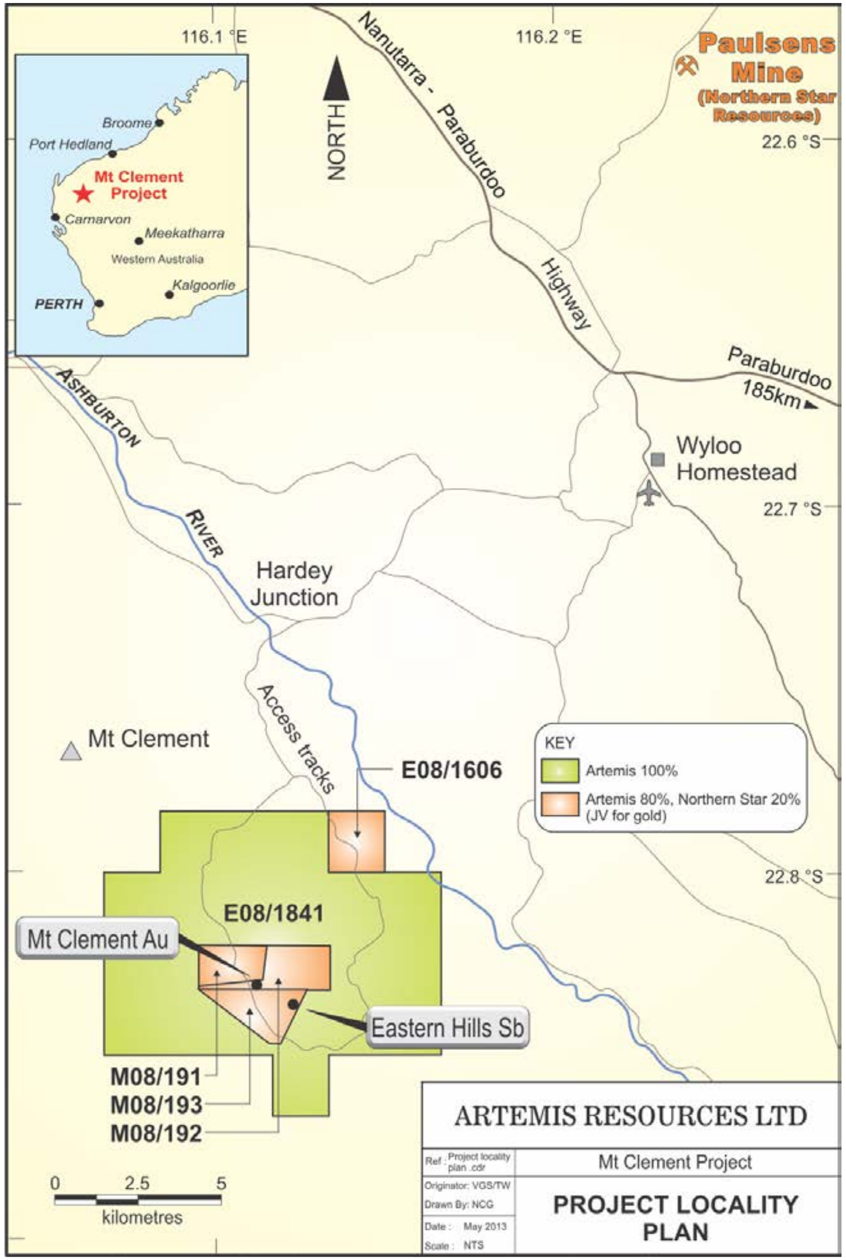
Gold:

Mt Clement Project

Gold: **Mount Clement Gold Project**

Overview

- Mt Clement Gold Project is part of JV with Northern Star Resources Limited (ARV 80%:NST 20%).
- Mt Clement has a JORC-compliant inferred gold-silver resource with potential to substantially increase resources via further drilling.
- Northern Star operates the >100,000oz pa Paulsens gold mine (below), only 30km to the NE



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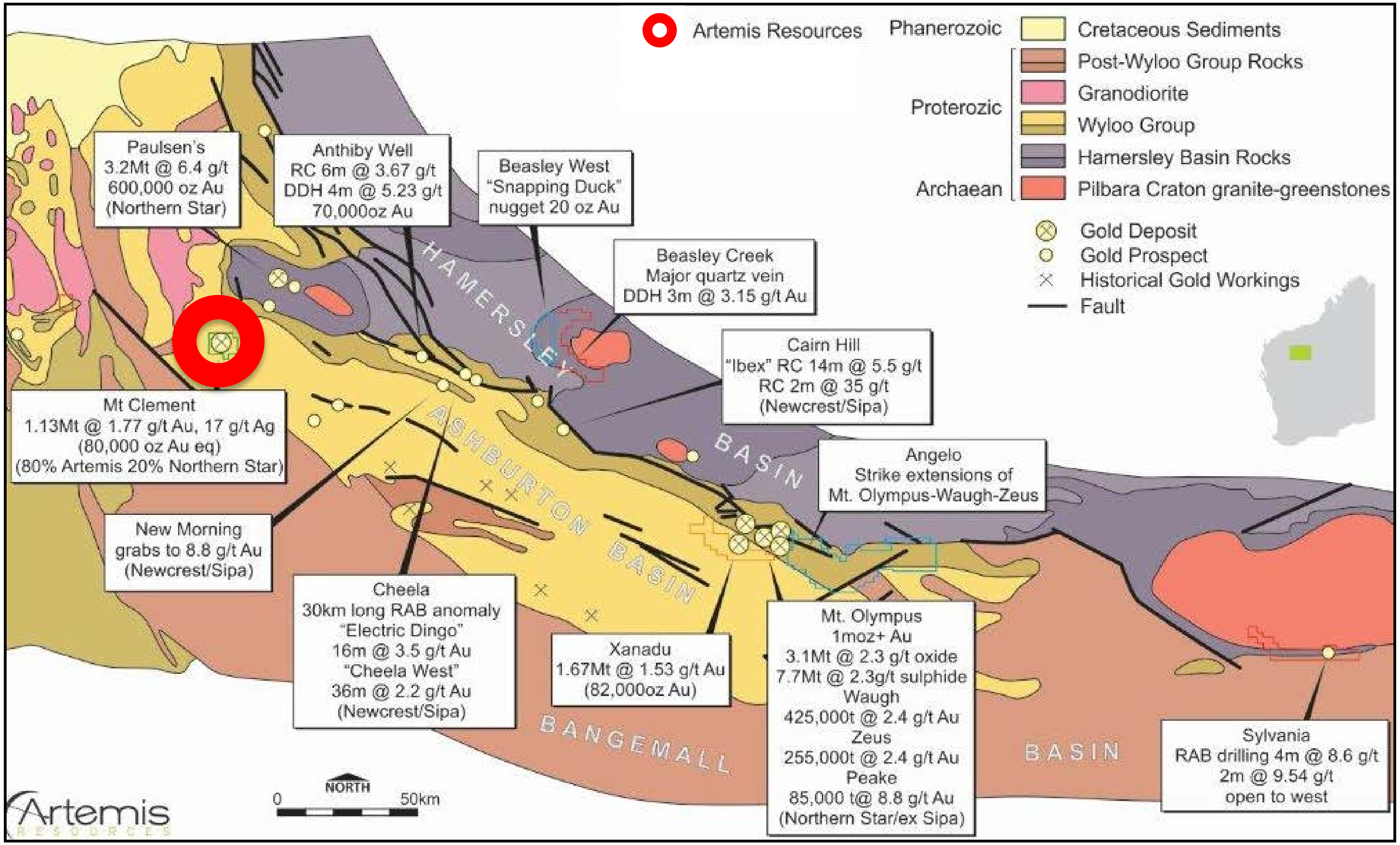
Gold: **Mount Clement Gold Project**

Ashburton Gold Basin, WA



- Located in the prospective Ashburton Basin; area achieving increased exploration success.

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Gold: **Mount Clement Gold Project**

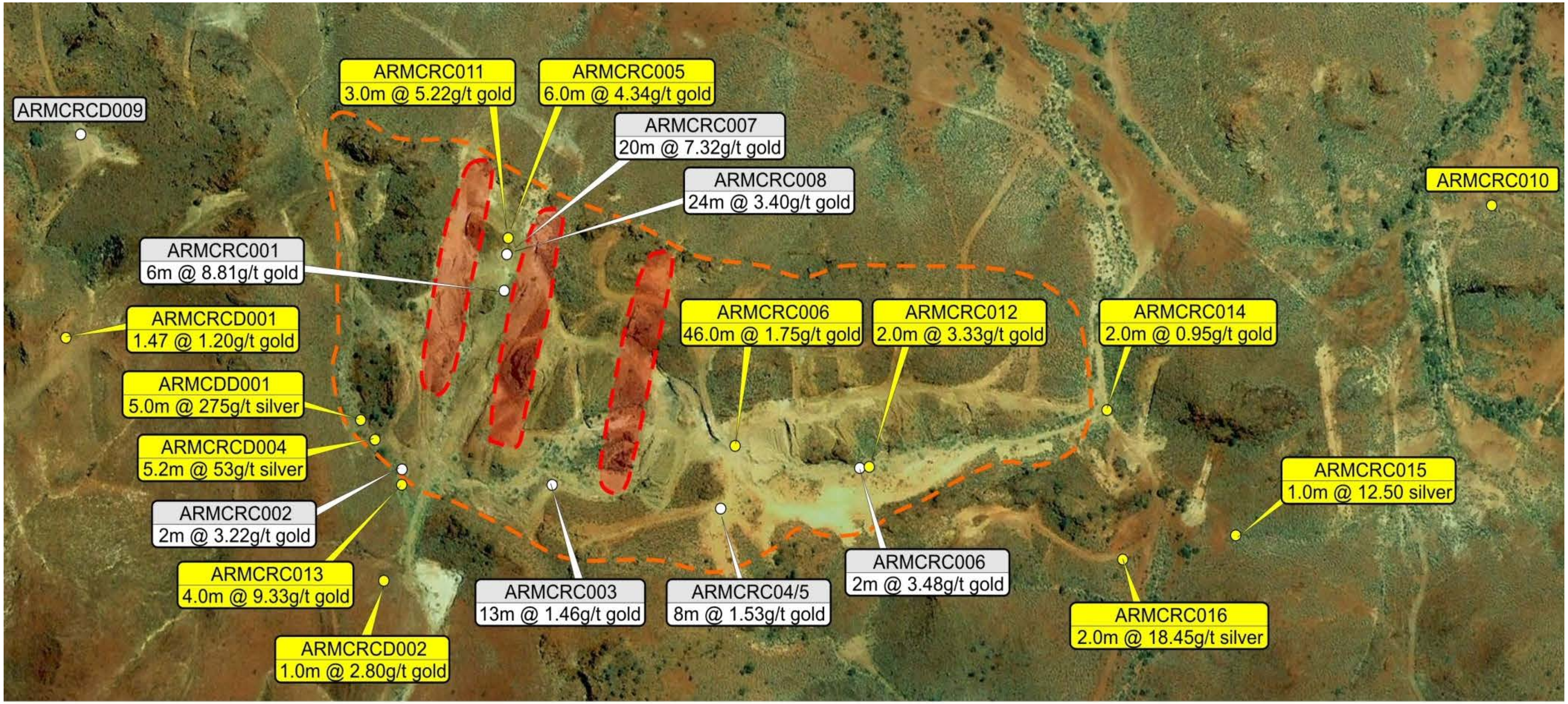
Resource estimate

- **Mt Clement Gold Project - Inferred JORC compliant resource[2]**

Zone	Tonnes	Au g/t	Au oz	Ag g/t	Ag oz
Surface oxide	1,006,000	1.65	53,500	9.7	314,500
Deeper sulphide	125,000	2.71	10,900	75.6	304,000
TOTAL	**1,131,000**	**1.77**	**64,400**	**16.9**	**614,500**

- Open down dip and along strike
- Targets to expand resources, both oxide and sulphide, identified in immediate vicinity of defined resource
- Potential for additional high grade lenses away from defined resource warrants exploration

Gold: Mount Clement Gold Project



Hole ID / Significant Intercept — Phase 1 - July 2010

Hole ID / Significant Intercept — Phase 2

200m

HIGH GRADE mineralisation

Near-surface OXIDE mineralisation

ARTEMIS RESOURCES LIMITED
MT CLEMENT GOLD PROJECT
RC & DIAMOND DRILLING
JANUARY 2011

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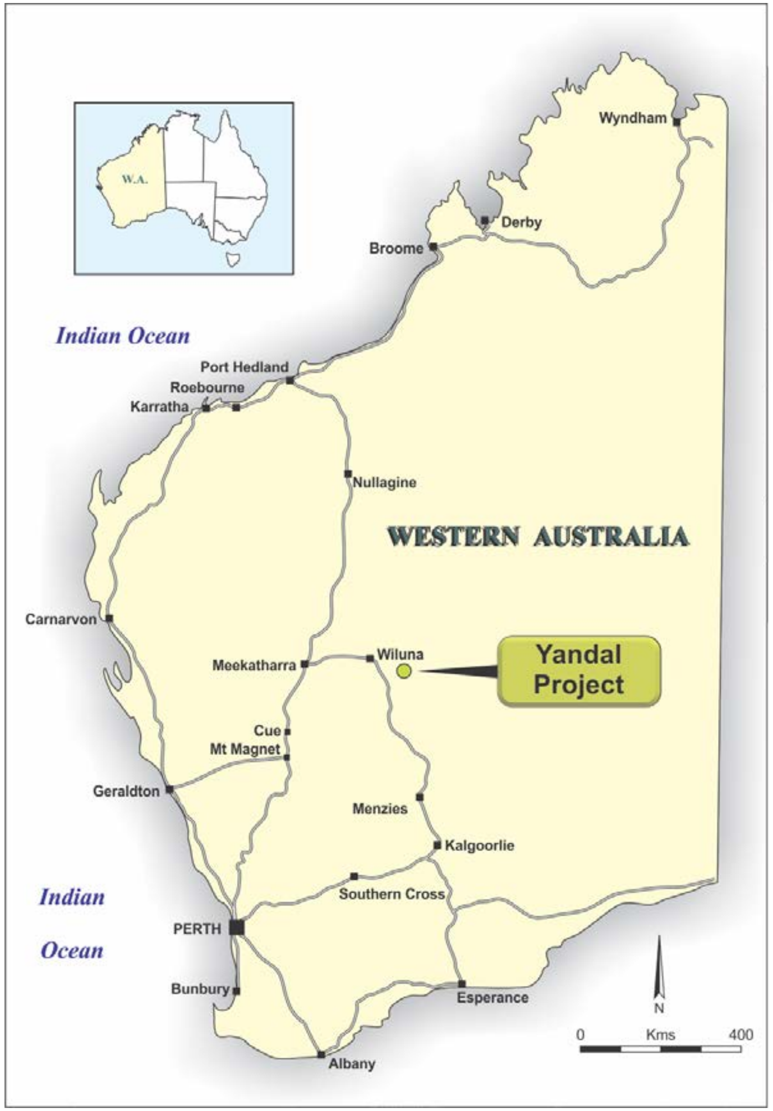


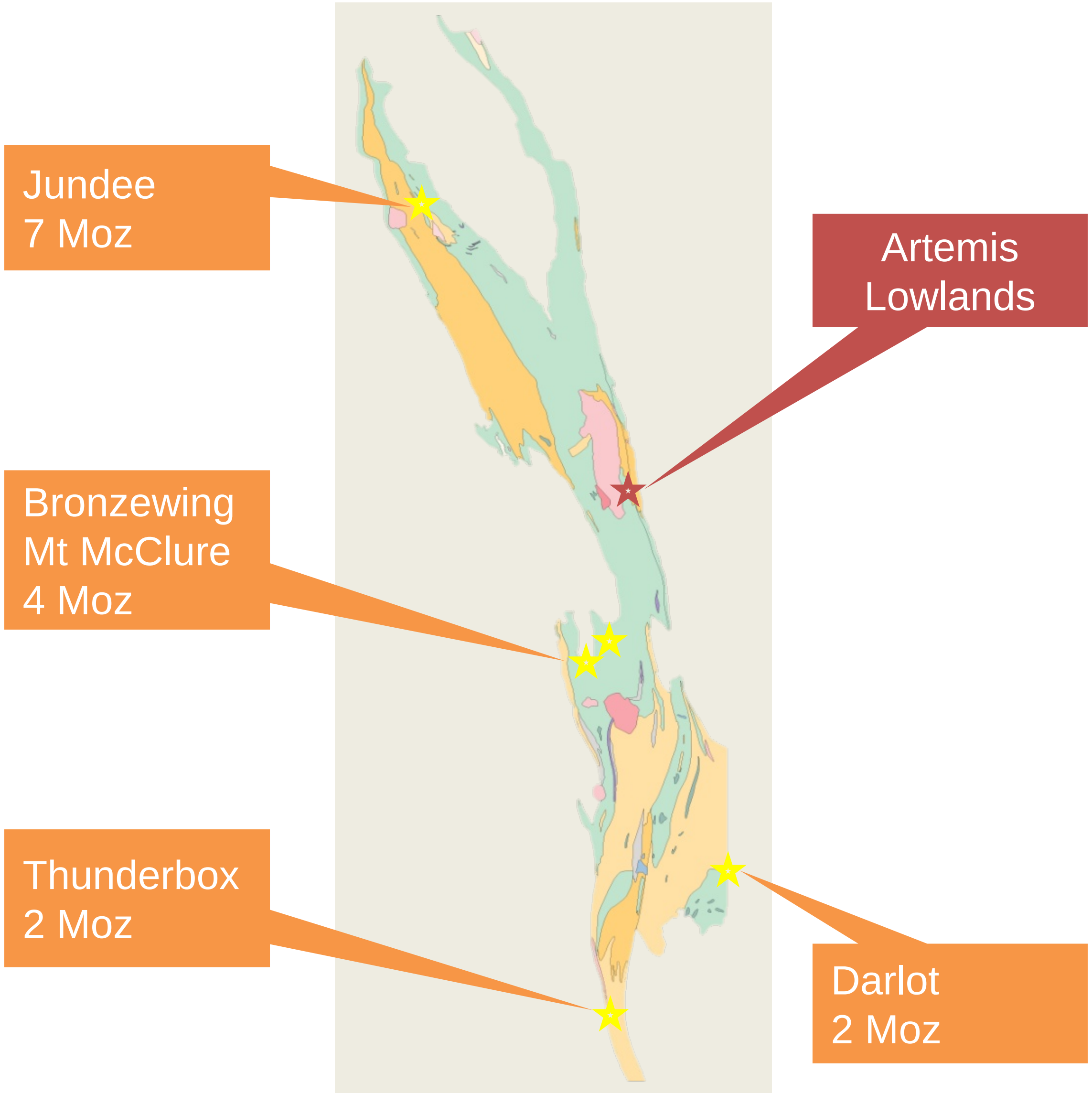
Gold:

Yandal Project

Gold: Yandal Greenstone Belt

Overview

- Artemis' Yandal Gold Project is located in the Yandal Greenstone Belt
- A premier WA gold producing province
- >13Moz gold discovered - the majority since 1987!
- Under-explored compared to other Eastern Goldfields greenstone belts
- Potential for multi-million ounce discoveries
- Existing gold production infrastructure



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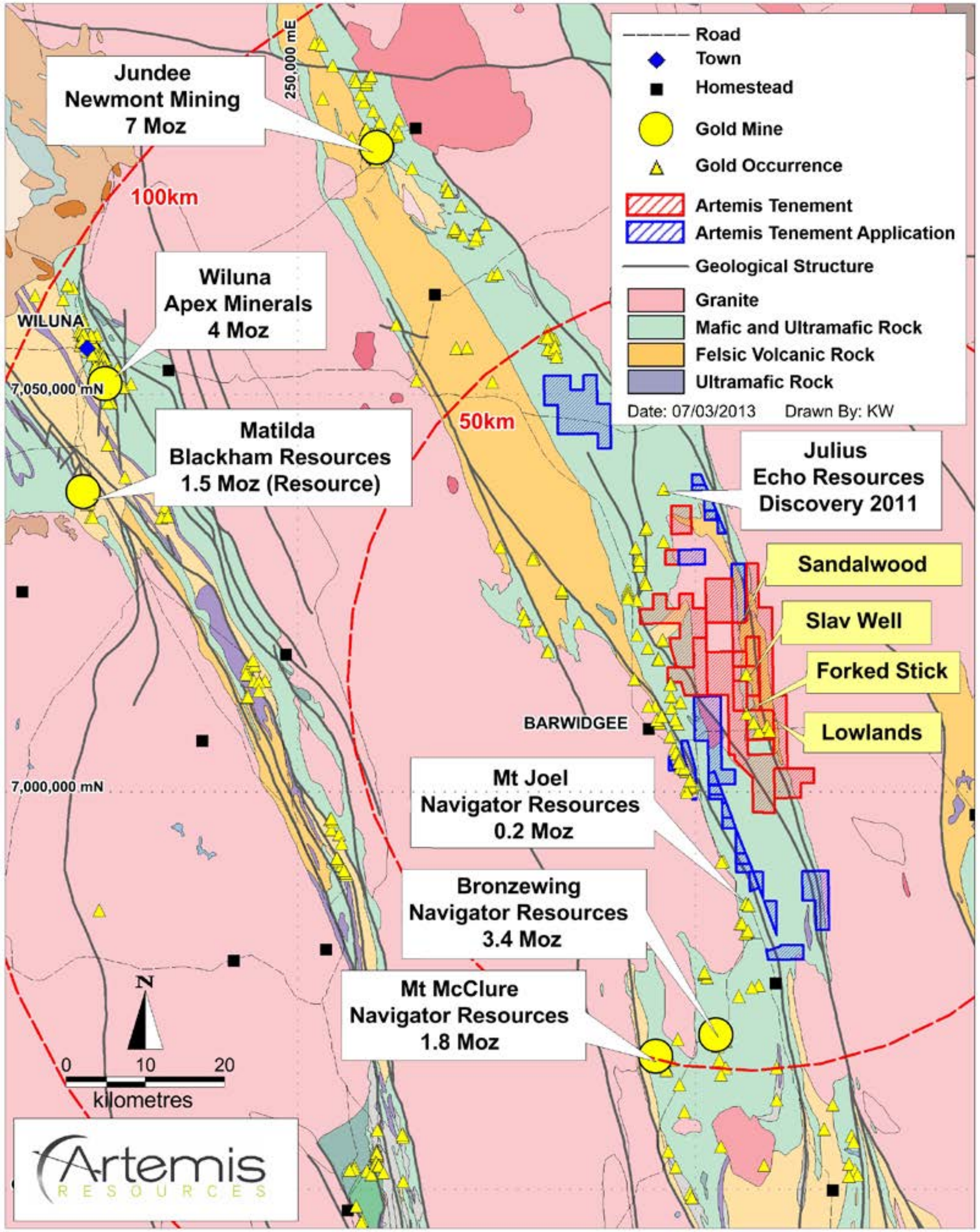
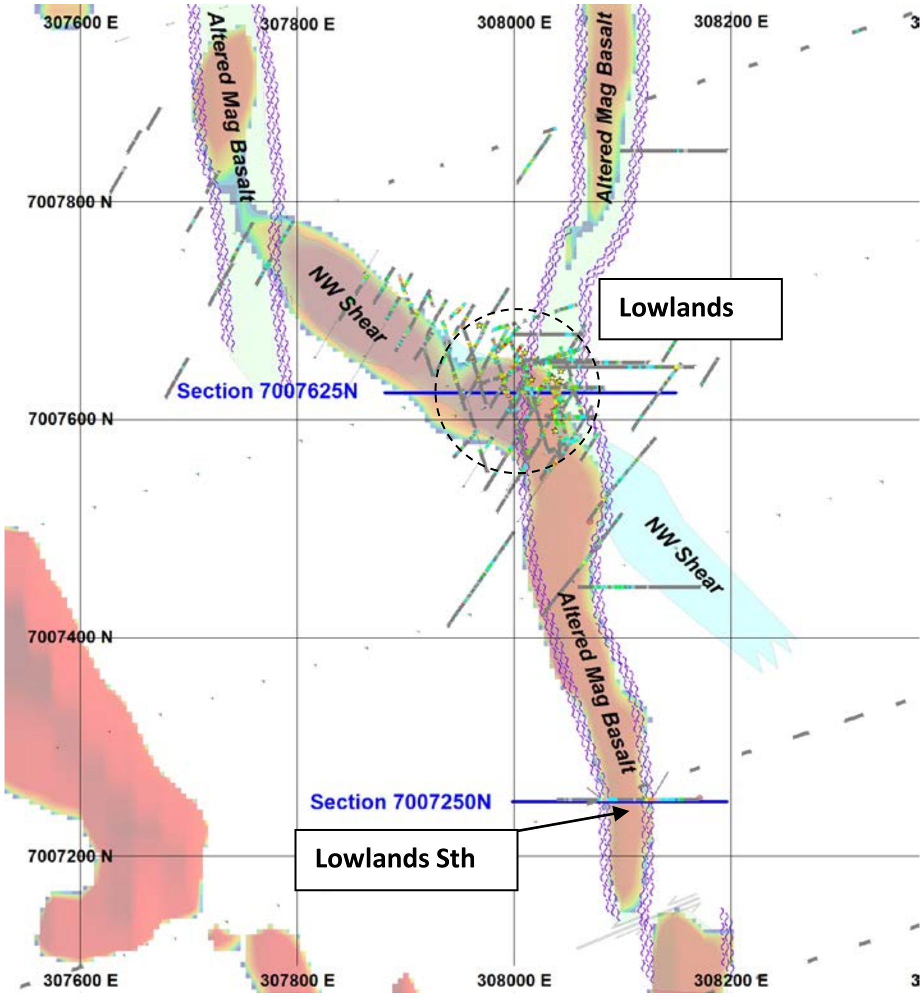
Gold: Yandal Project

Overview

- Located between the Jundee (7Moz) and Bronzewing (4Moz) gold mines.
- Artemis tenements cover >28,000ha of underexplored portions of the greenstone belt, much is under cover.
- Yandal project sited on important regional gold bearing fault structures.
- ~40km mineralised strike under tenement by ARV (red)
- Additional 17,000ha of tenements under application (blue)
- 2011 Drilling extended **Lowlands** deposit and confirmed High Grade Gold mineralisation at **Forked Stick**
- 2012 Drilling (3,150m) confirmed additional mineralisation below Lowlands resource and new mineralisation 350m to the south at **Lowlands South**.
- Echo Resources' **Julius** discovery (2m @ 40.2g/t Au) – adjacent to ARV



Gold: Yandal Project – 2012 Drill Results



Lowlands

- Multiple targets identified following comprehensive review of geological setting, geophysics and drilling data
- Only 17 RC holes drilled testing the 47 targets to date
- A N-S trending mineralised altered mag basalt intersects with a NW trending shear zone creating a SW plunging mineralisation zone at Lowlands

Lowlands South

- N-S trending mineralised altered mag basalt identified as primary mineralised structure 350m S at new Lowlands South discovery (12m at 1.78g/t in hole YARC 20).
- Open in all directions

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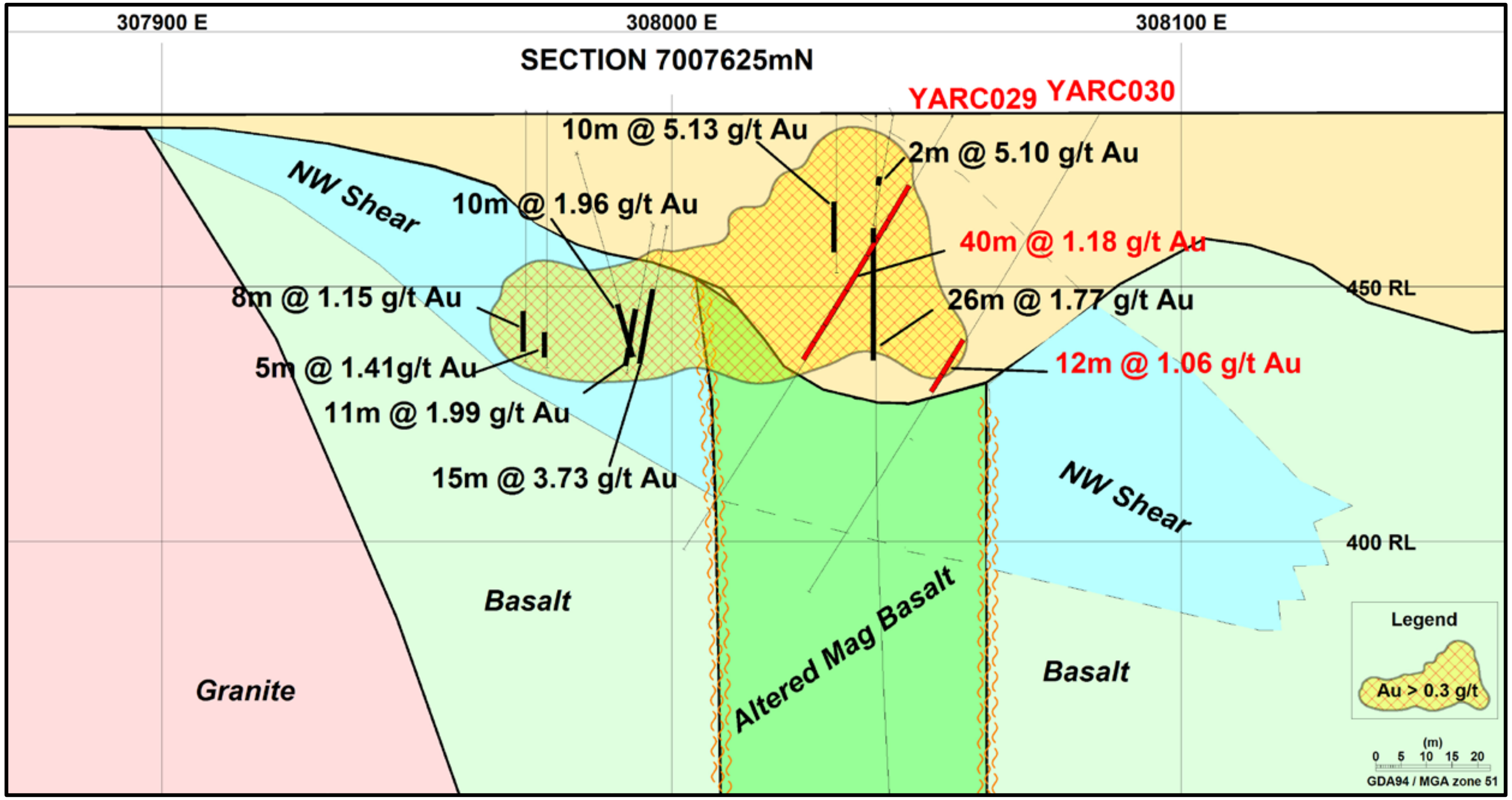
Lowlands: 2012 Drill Results – Lowlands

Lowlands – Schematic cross section

YARC29	40m @ 1.21 g/t Au	- Lowlands oxide zone
YARC23	8m @ 1.52 g/t Au	- beneath known oxide
YARC30	12m @ 1.06 g/t Au	- beneath known oxide



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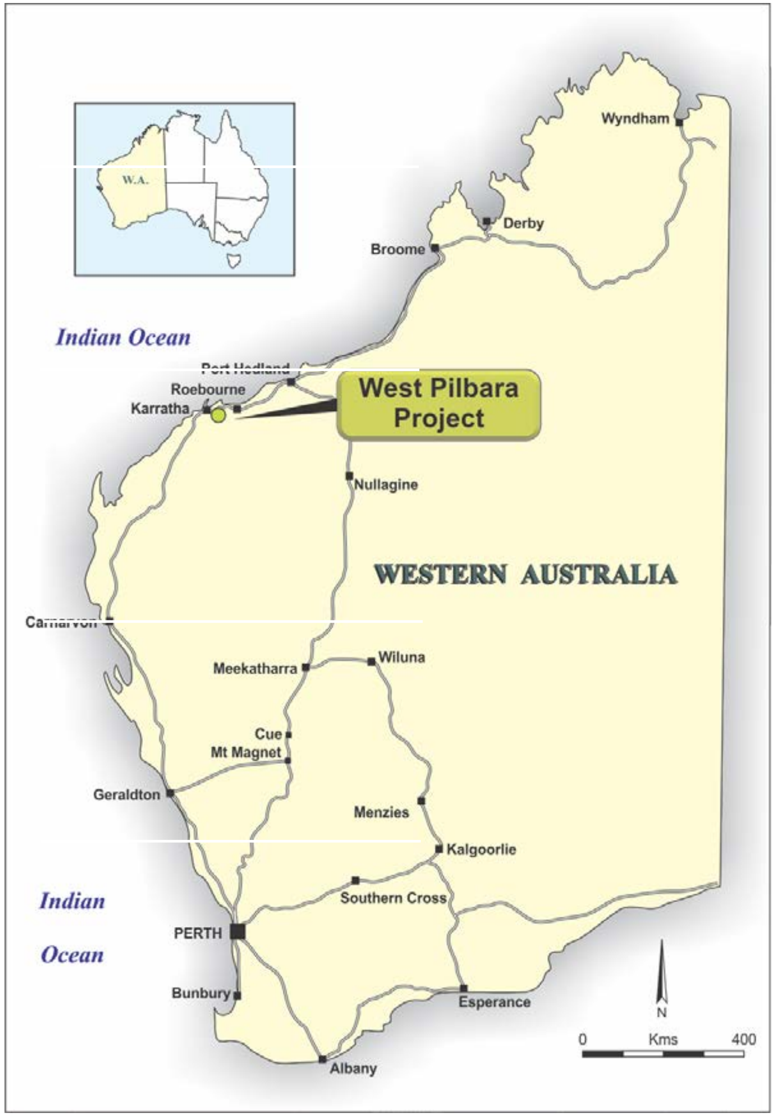

Cu, Au, Ni, Fe :

West Pilbara Project

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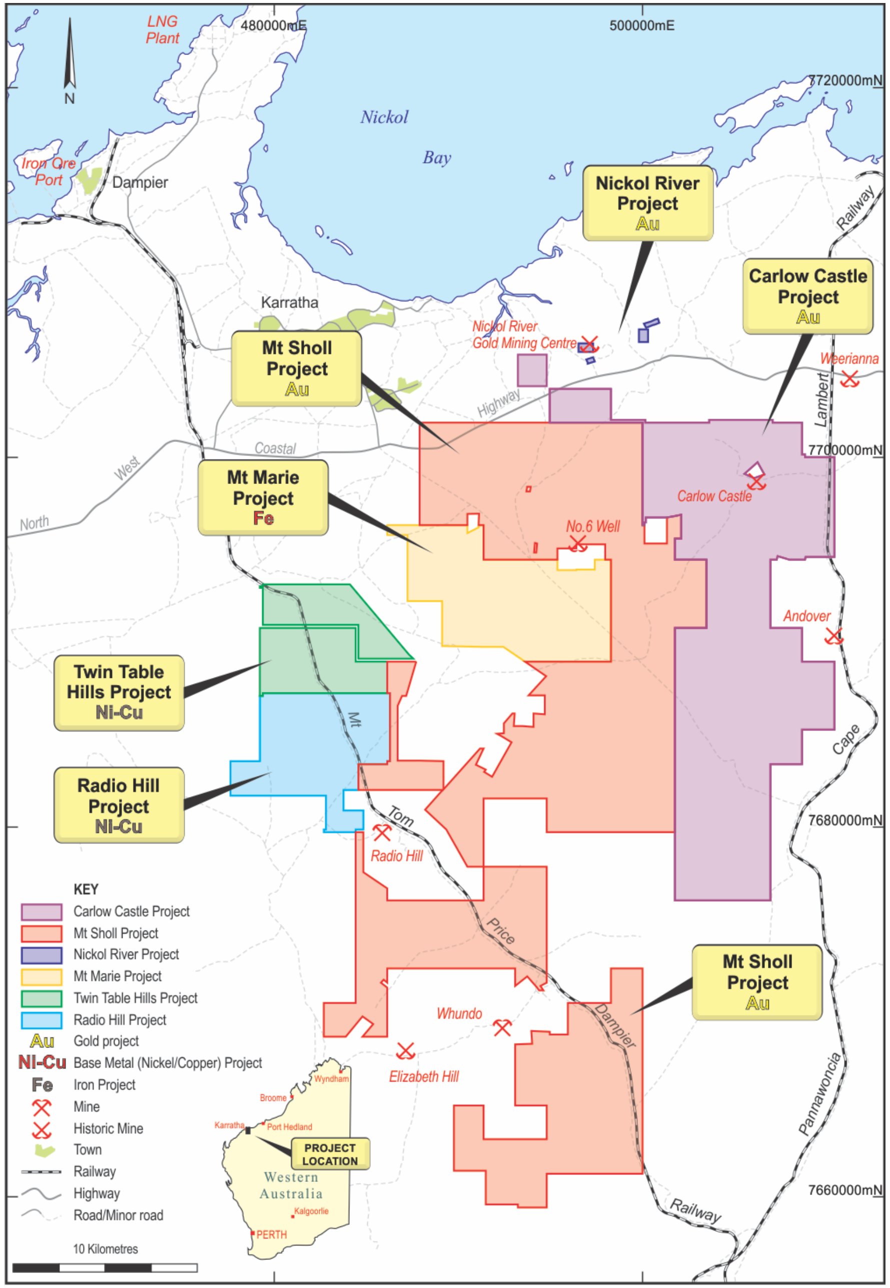
ARV West Pilbara Tenements

Overview

- Significant land package acquired mid 2012
- >40 prospective tenements covering ~700 sq km.
- Prospective gold copper, iron ore and nickel targets.
- **Walk-up drill targets** defined by VTEM and air-mag
- Gold projects include **Carlow Castle**:
  - JORC compliant Inferred Resource 91kt @ 10g/t Au
  - Exploration Target: 250–500koz @ 5-10g/t Au
- Projects close to infrastructure and processing facilities.
- Consolidation opportunity with potential to support a processing mill.



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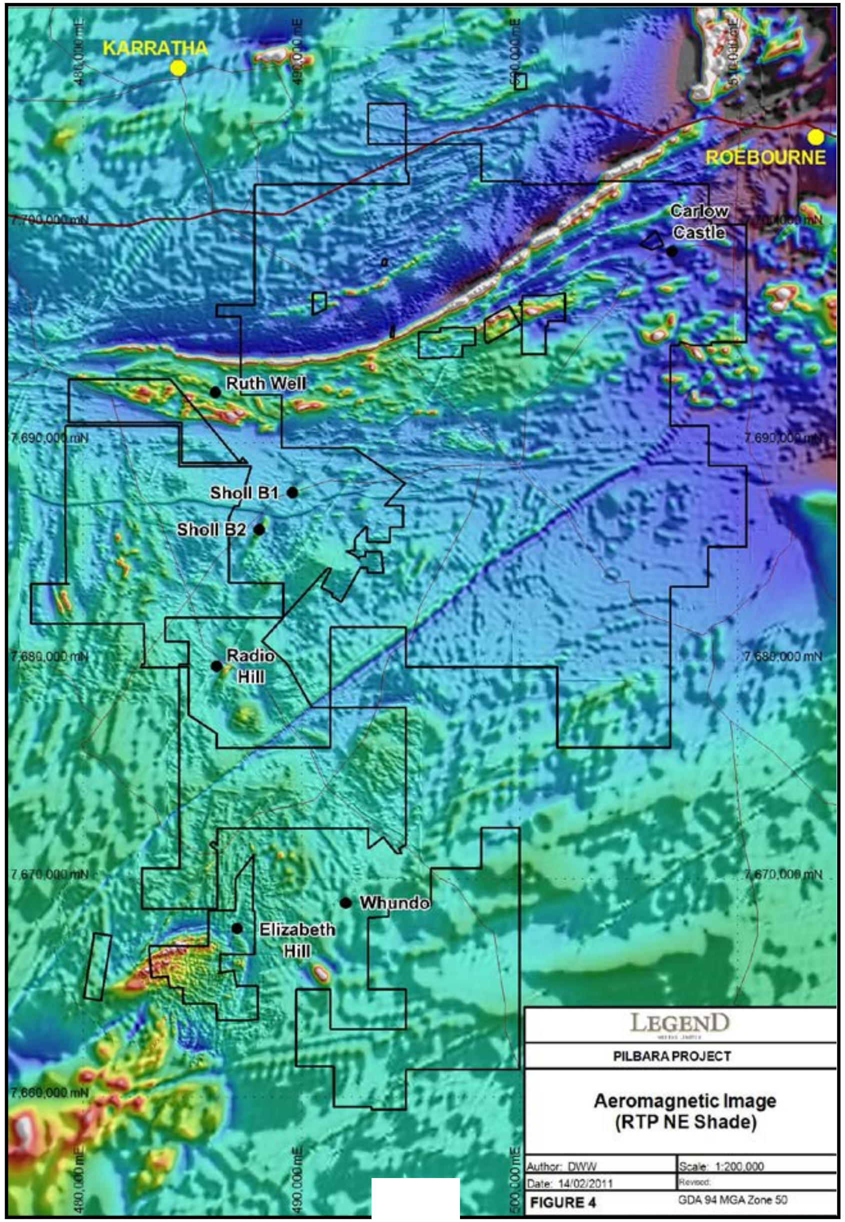
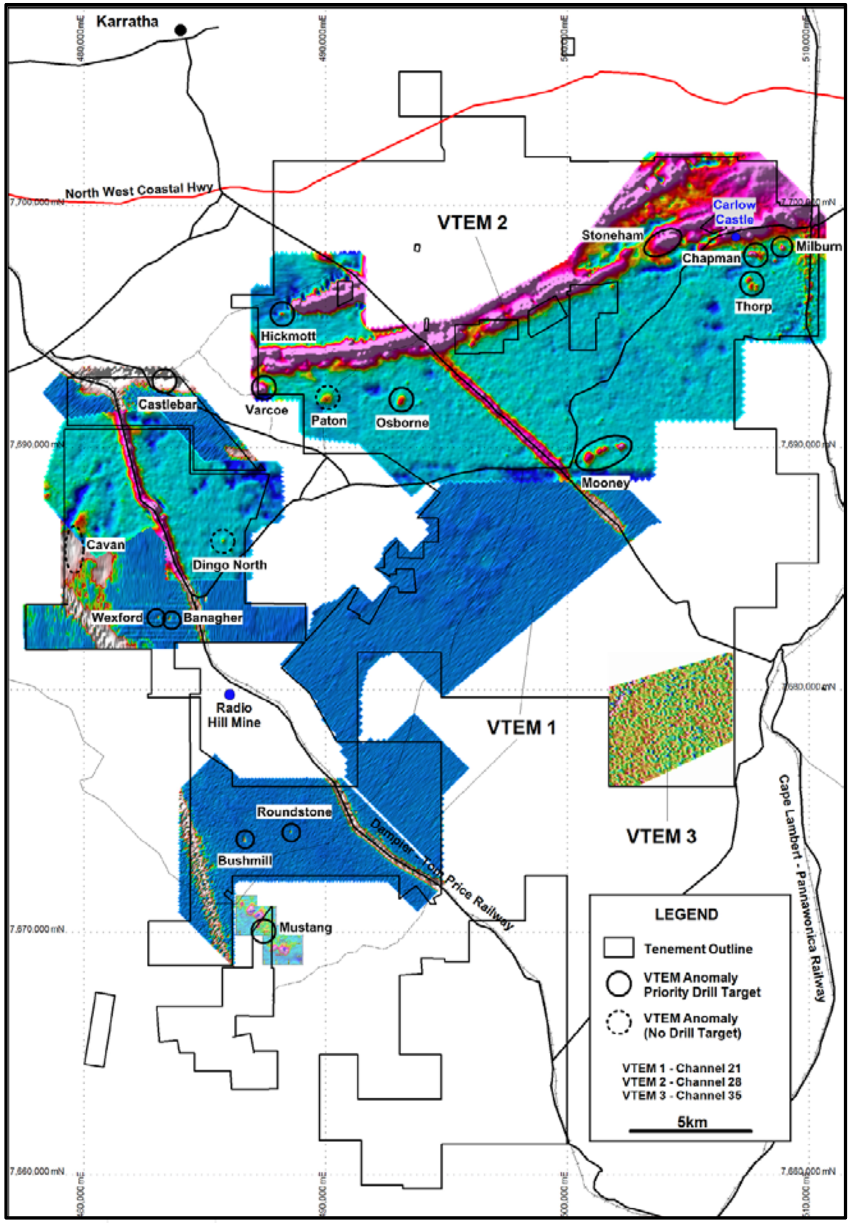
ARV West Pilbara Projects – Aeromag and VTEM Priority Targets





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Key West Pilbara Projects

Carlow Castle

- JORC compliant Inferred Resource of 91,000 tonnes at 10 g/t Au and 1.4% Cu
- Potential to increase size of delineated mineralisation
- Underexplored - deeper drilling required to test continuity and extent of mineralisation at depth
- Chapman, Milburn, Thorp and Mooney – untested priority VTEM targets

Mt Sholl

- Cleaverville Formation in the Mt Sholl, Carlow Castle and Mt Marie Projects - potential source of magnetite iron ore.
- 1.6Bt Cape Lambert magnetite iron ore deposit hosted by Cleaverville Formation.
- Two principal areas of known mineralisation
  - Golden Reef; substantial quantities of alluvial gold since 1987, and
  - Orpheus Shear Zone; copper-lead-zinc, (Dragon discovery in 1995) largely untested.

Nickol River Gold Project

- Historical production from 4 localities – Tozer’s, Boiler, Nickol South and Lydia.
- Recent auger drilling identified anomalous gold up to 6.3g/t Au.
- Considerable potential for discovery of additional gold mineralisation in areas beneath shallow historical drilling.

Key West Pilbara Projects (contd.)

Mt Marie Project
- Hosts BIF units of the Cleaverville Formation – a potential source of magnetite iron ore.
- Potential for gold, copper, zinc, silver and nickel.
- Hickmott, Varcoe, Paton and Osborne – untested VTEM priority targets
- Substantial part of project area previously held as a Government Temporary Reserve (alternative Karratha airport site) and was not available for exploration.

Twin Table Hills Project
- Considered to have potential to host massive nickel-copper sulphide mineralisation similar to Radio Hill and Ruth Well.
- The Twin Table Hills potential for iron mineralisation

Radio Hill West Project
- Less than 2kms north of the Radio Hill nickel mine.
- Considerable potential for the discovery of Radio Hill type massive sulphide mineralisation.
- Artemis to further evaluate nickel-copper-PGE mineralisation at the Little Dingo and Toorare Pool prospects.

Short/Medium Term

- Build first class in house team to drive projects (underway – exploration team expanded)
- Field reconnaissance over new Eastern Hills exploration target
- Drill antimony-lead targets at Eastern Hills (2Q13)
- Stage 2 drilling of Yandal gold targets and define JORC compliant gold resource (3Q13)
- Establish dominant land position in Yandal (new applications in train)
- Field reconnaissance and prioritise most promising targets at West Pilbara
- Leverage dominant position to secure other opportunities

Medium/Long Term

- Advance Eastern Hills project quickly to scoping study and possible PFS in 2014
- Execute aggressive exploration program
- Actively source high quality new project opportunities that will advance Artemis up the value curve
- Explore possibilities for strategic divestments of selected properties

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