Artemis Resources Ltd

FOCUSED & ACTIVE EXPLORATION COMPANY

ASX: ARV

Investor Update

Artemis RESOURCES

July 2013

Artemis Resources Ltd

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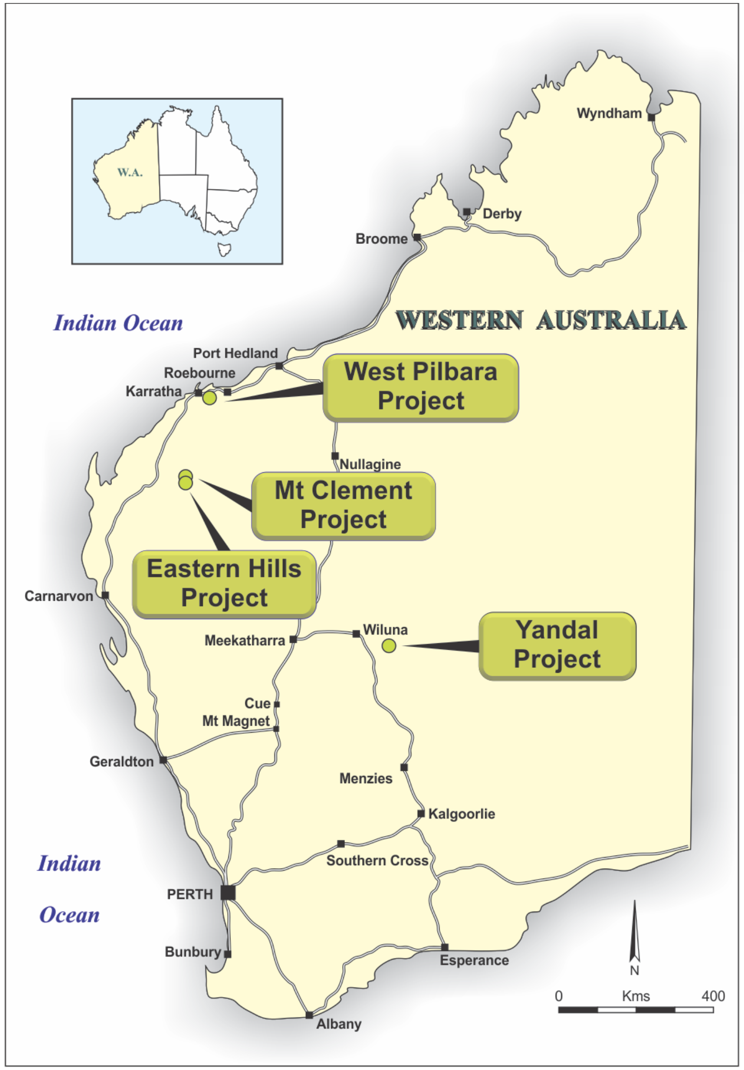
The Company's Exploration Targets include potential quantity and grade and are conceptual in nature. There has been insufficient exploration to define these mineral resources and it is uncertain if further exploration will result in the determination of mineral resources.

[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 LIMITED (ASX:ARV)



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**: - JORC Inferred Resource[2]

    80,000oz Au eq.
  - **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 management, strengthened technical team
- ✓ Focused on quality project identification, exploration, discovery and development
- ✓ $1.5 million cash and securities (end March 2013)
- ✓ Low cost entry into an emerging gold and metals discovery company

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ARV Corporate Snapshot

Issued Share Capital	
ASX Code	**ARV**
Shares on Issue	490.3 million
Options $0.04 Nov/Dec 2014	20.0 million
Market Capitalisation ($0.01)	$4.9m
Cash and Investments	$1.0m

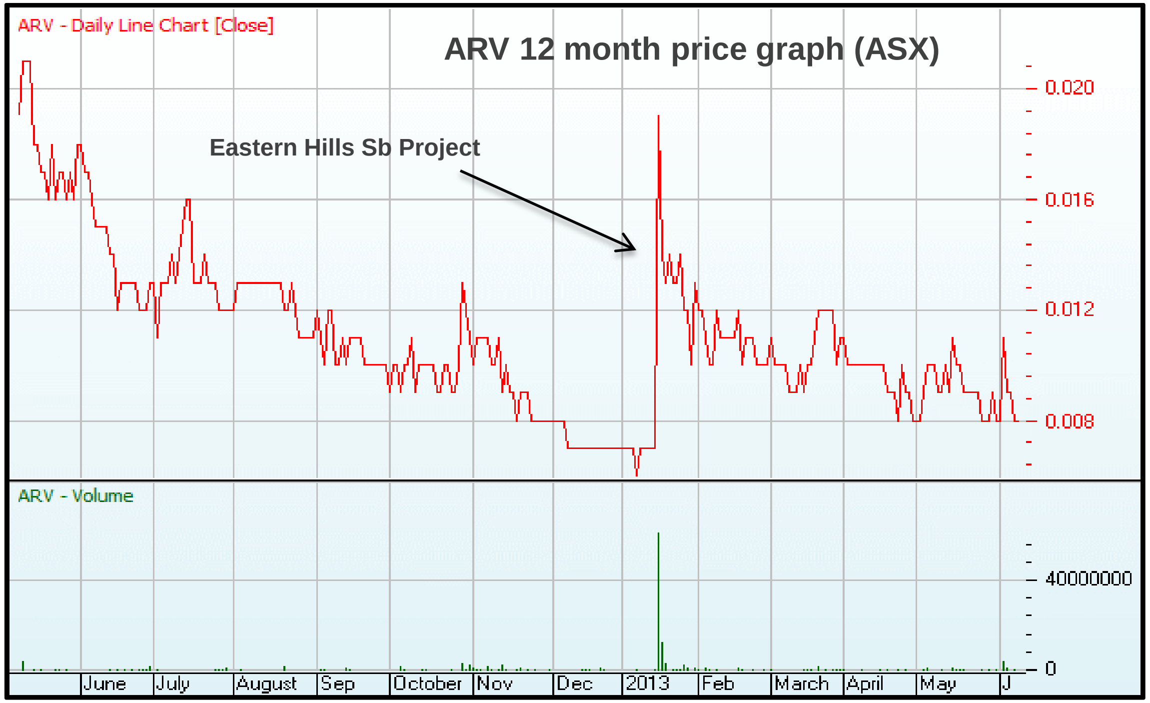
Major Shareholders	
Black Swan Global	17.98%
Legend Mining Limited	12.24%
Citicorp Nominees	5.98%
Top Twenty Shareholders	54.7%

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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ARV Senior Management

Senior Management Team

- **Guy Robertson**

  Executive Director

  - experienced director and CFO with mining and exploration companies. 25 years experience including CFO/Corporate positions in the exploration sector. Current directorships include Hastings Rare Metals Ltd and Metal Bank Ltd.

- **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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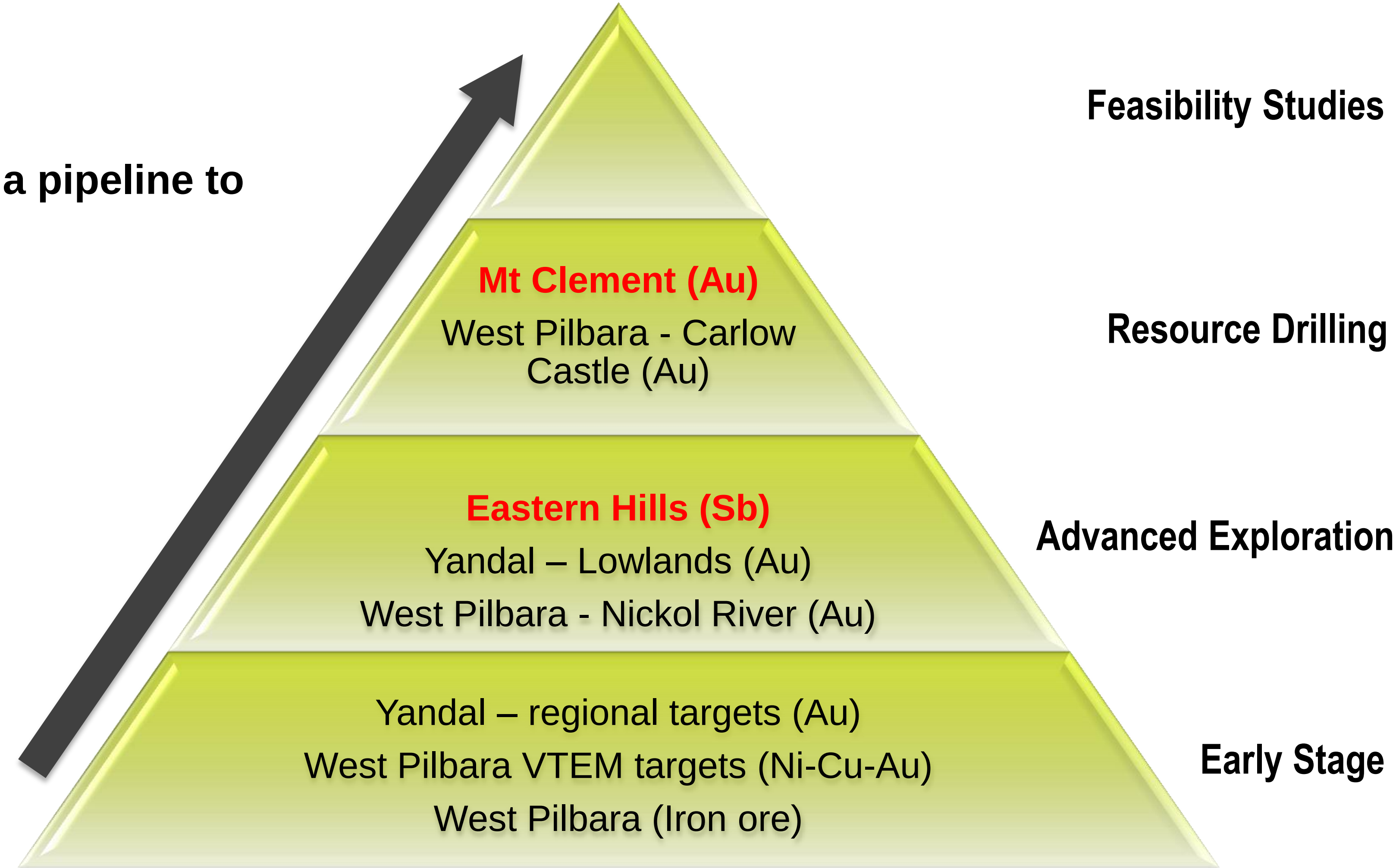
ARV Strategy

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**

Mt Clement Project - Overview

- <u>**Location**</u> in prospective Ashburton Basin;

  - just 30km SE of 1Moz Paulsens Gold Mine

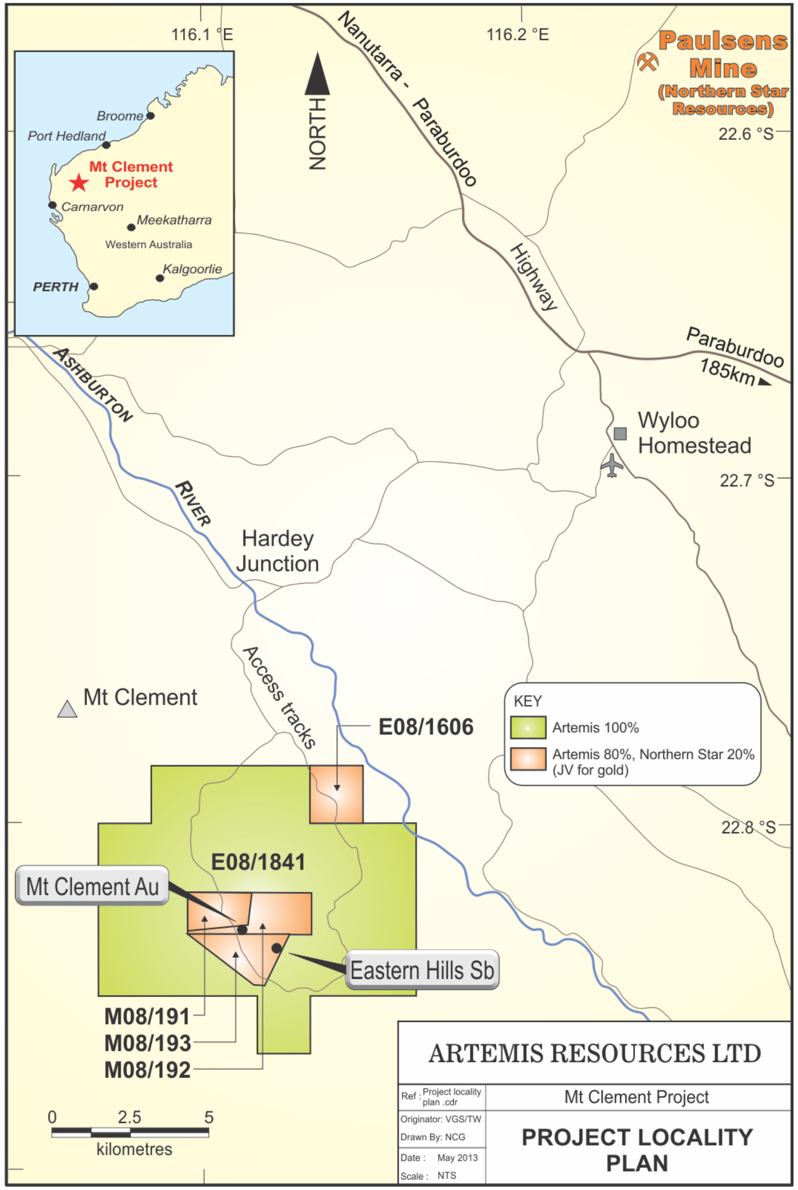
- <u>**Two major prospects**</u> identified:
  - Eastern Hills: Antimony-Lead (Sb-Pb)
  - Mt Clement: Gold (Au)

- **ARV holds 80:20 JV interest:**

  - for gold over four tenements
  (with *Northern Star Resources Limited*).

- **ARV holds 100% interest:**

  - in one Exploration Licence.



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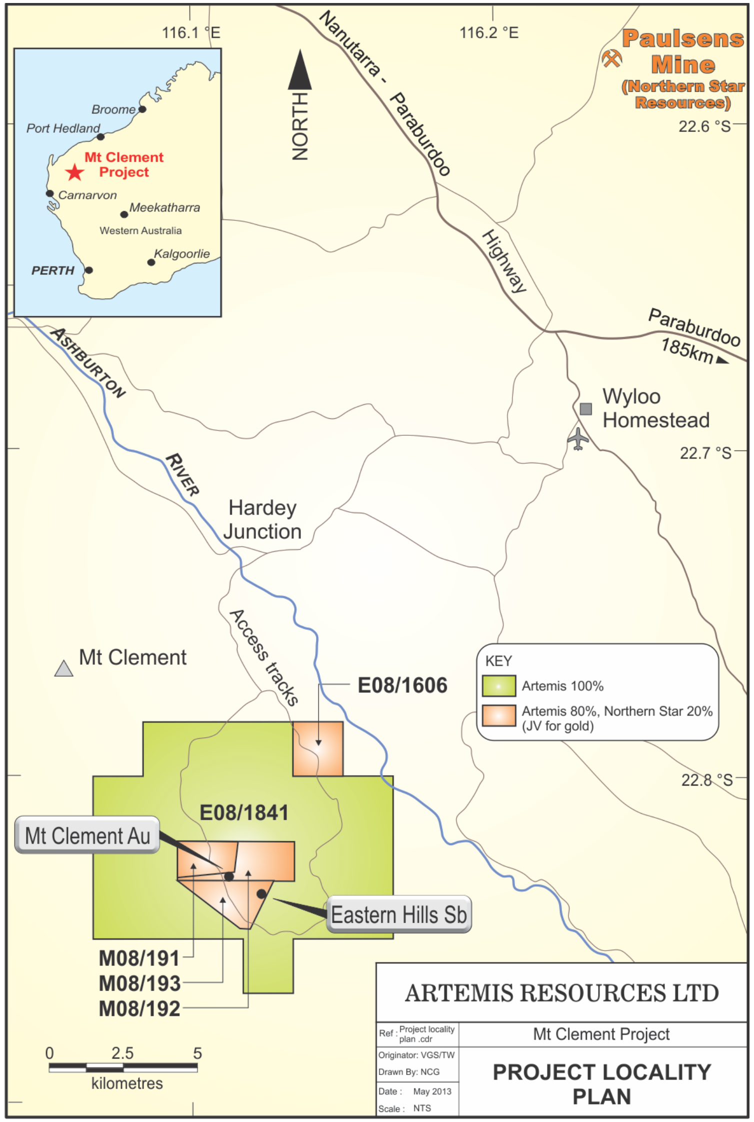
Antimony:

Eastern Hills Project



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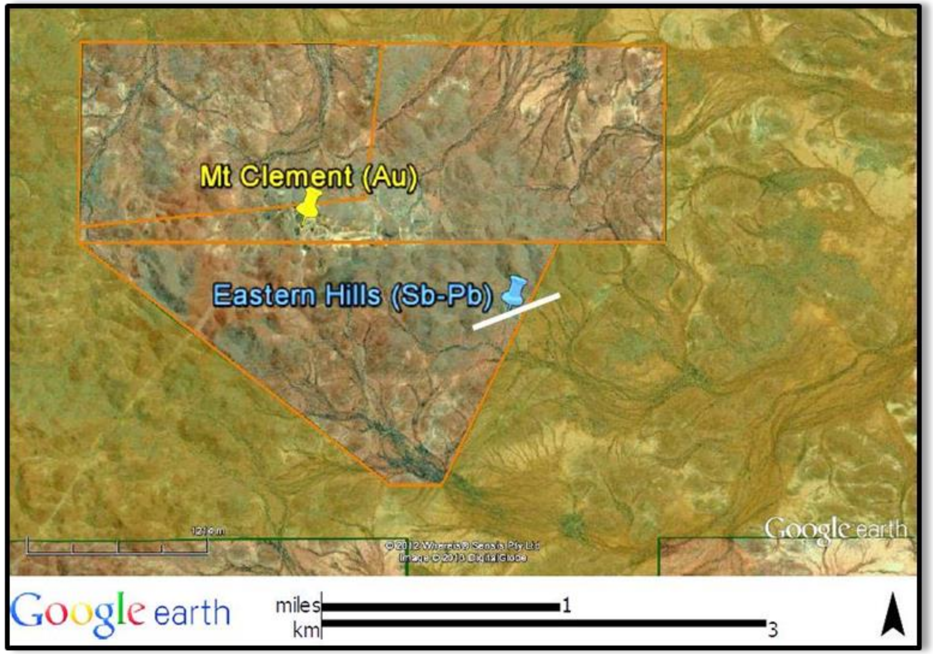
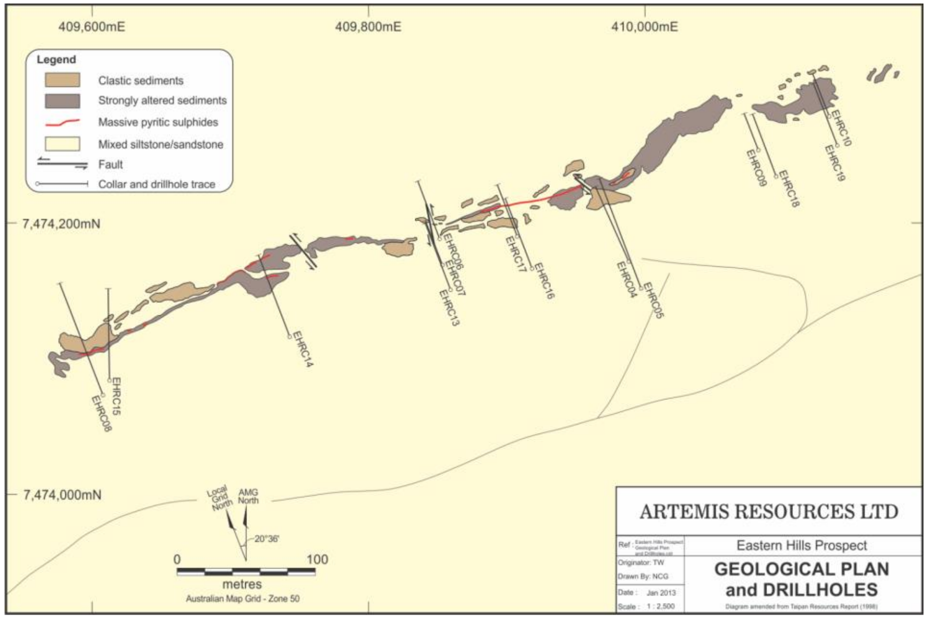
Eastern Hills – Antimony-Lead Deposit

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





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Eastern Hills – Antimony-Lead Deposit

Recent Rockchip Sampling

- Initial reconnaissance rockchip sampling (13 samples) during March quarter 2013
- Returned high grade antimony, lead and silver results

- **Antimony**: maximum 7.5% Sb (using lab XRF)
- **Lead**: maximum 16.8% Pb
- **Silver**: maximum 115 g/t Ag
- **Gold**: maximum value 0.7 g/t Au

See ARV quarterly report March 2013

Sample 238709

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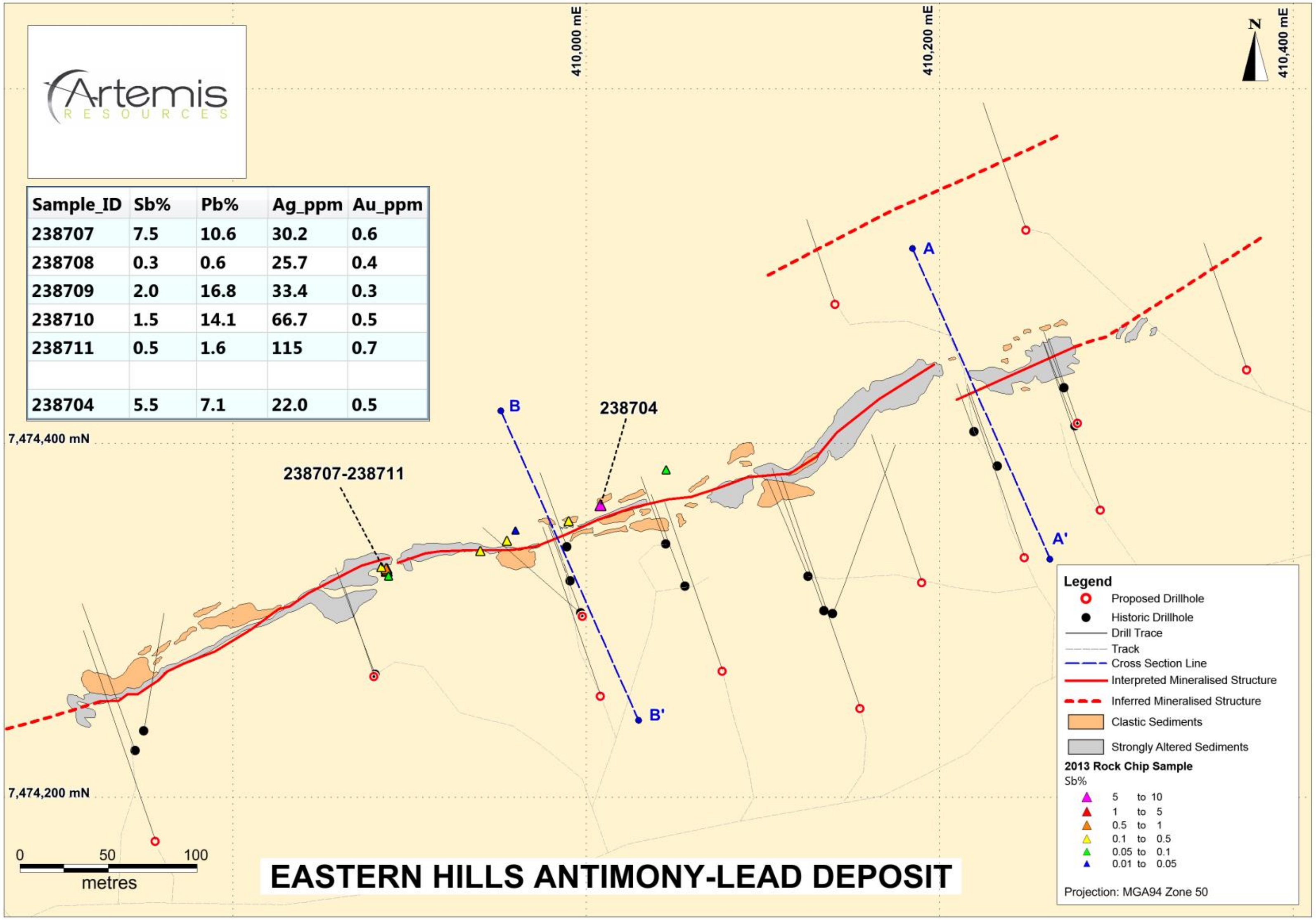
Eastern Hills – Proposed RC Drill Program



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 proposed for 3Q13**

**** approval received from WA Dept***
**** $140,000 Govt co-funding confirmed***

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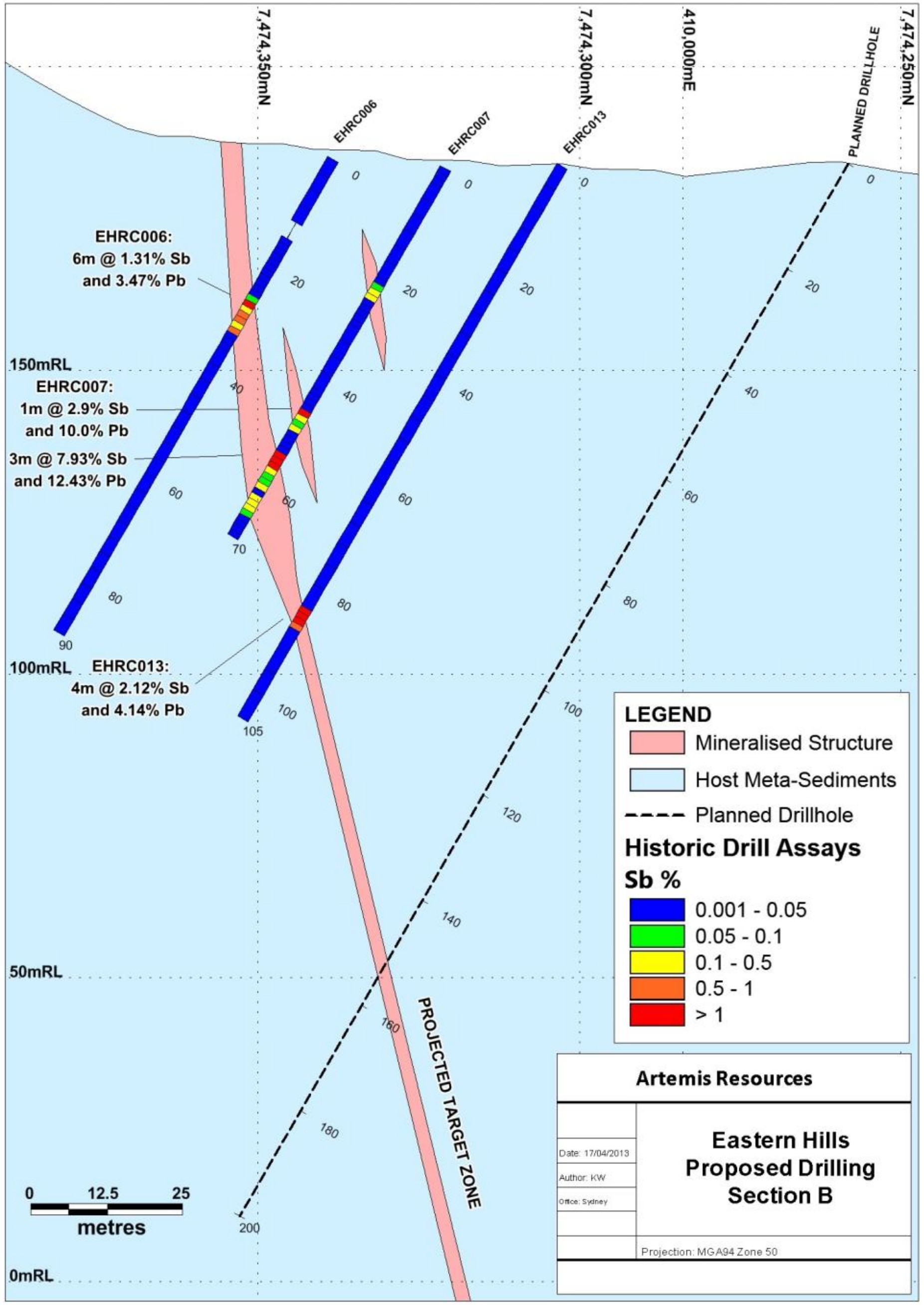
Eastern Hills – Antimony-Lead Deposit

Proposed Drill Program

- **2,800m RC drill program[3]** to further test the Eastern Hills potential and:
    - i. Confirm historical drill results
    - ii. Obtain a maiden JORC compliant resource
    - iii. Expand known mineralisation, both down dip and along strike
    - iv. Test an adjoining zone of anomalous gold mineralisation
- ***WA Mines Department approval has now been received for this program***
- ***Approval confirmed from the WA Mines Dept for $140,000 co-funding of this drill program***

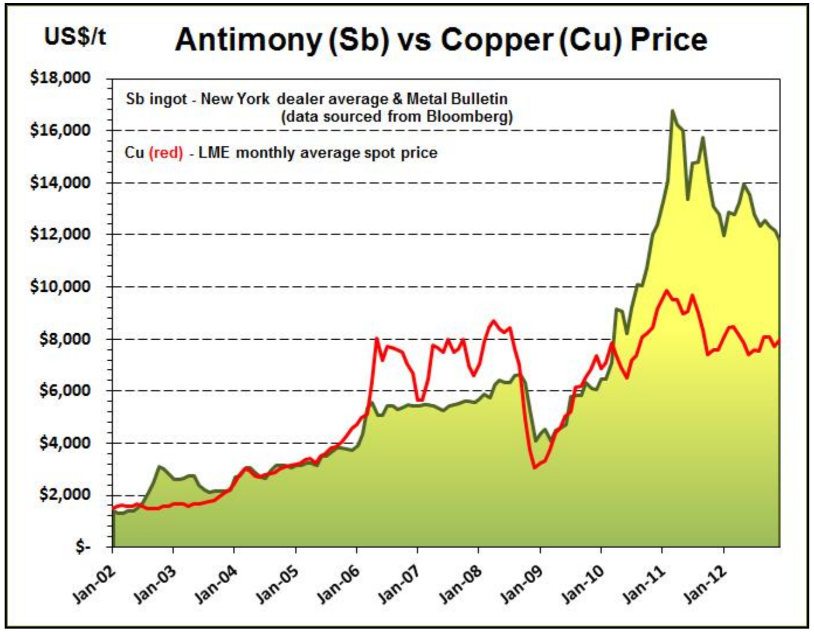
[3]See ARV ASX Announcement 24 April 2013

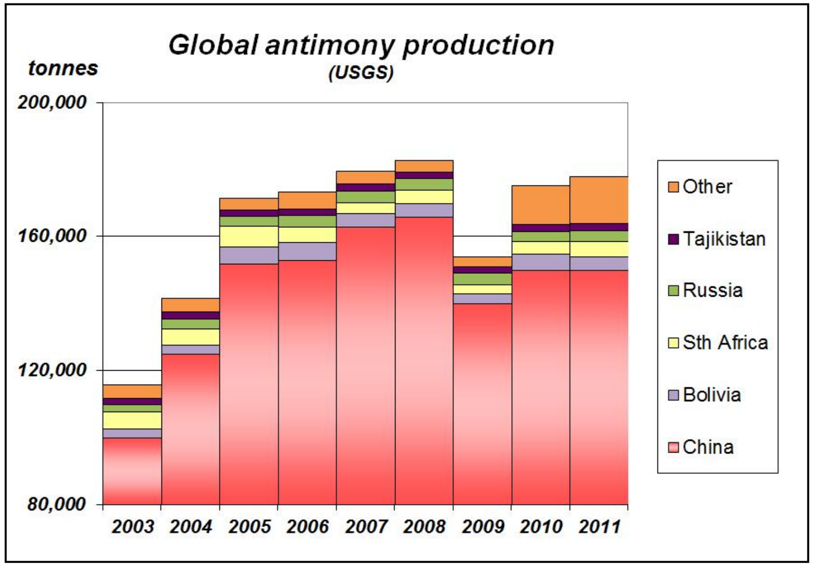


Eastern Hills – Antimony-Lead Deposit

Why antimony (Sb)?

- ✓ Antimony is a specialty metal
- ✓ **Uses** - in fire retardants, hardener in alloys, lead acid batteries, PET plastic production
- ✓ **Antimony price -** has surged in past ten years
  - ❖ around U$10,000/t
  - ❖ ~40% higher than copper (~U$7,000/t)
- ✓ Strong demand since early 2000s
- ✓ Global output dominated by China (around 85%)
- ✓ New, lower sovereign risk sources required
- ✓ European Commission has antimony on its list of 14 ***Critical Raw Materials***





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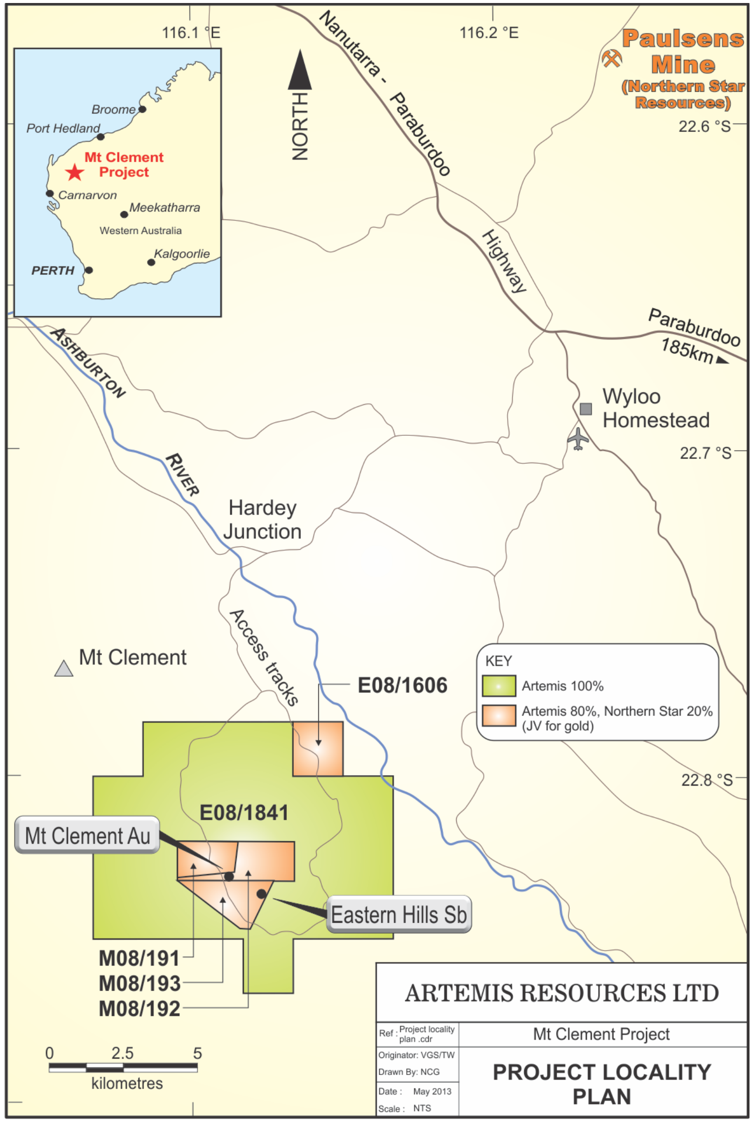
Gold:

Mt Clement Project



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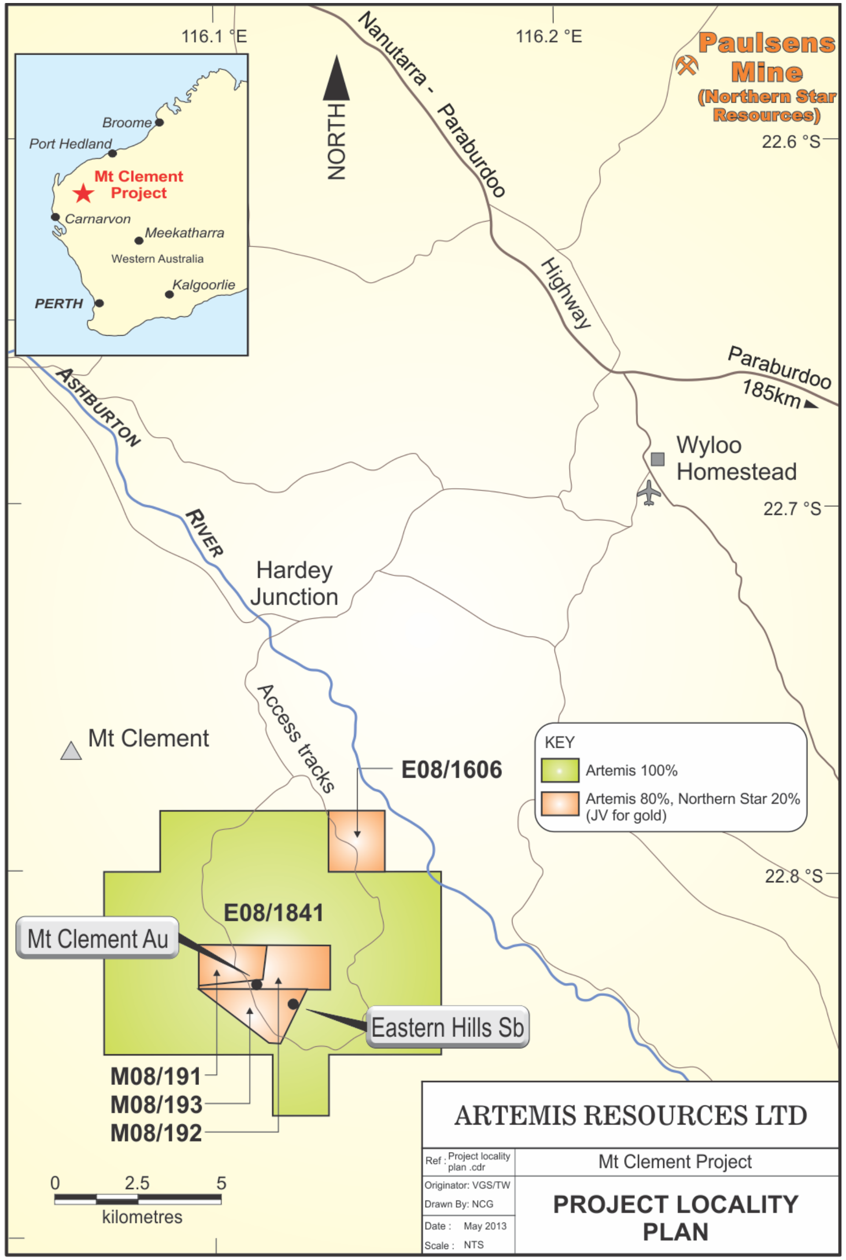
Gold: Mount Clement Gold Project

Mt Clement Gold - Overview

- ARV (80%) manages JV with *Northern Star Resources*
- JORC-compliant inferred gold-silver resource
- Potential to 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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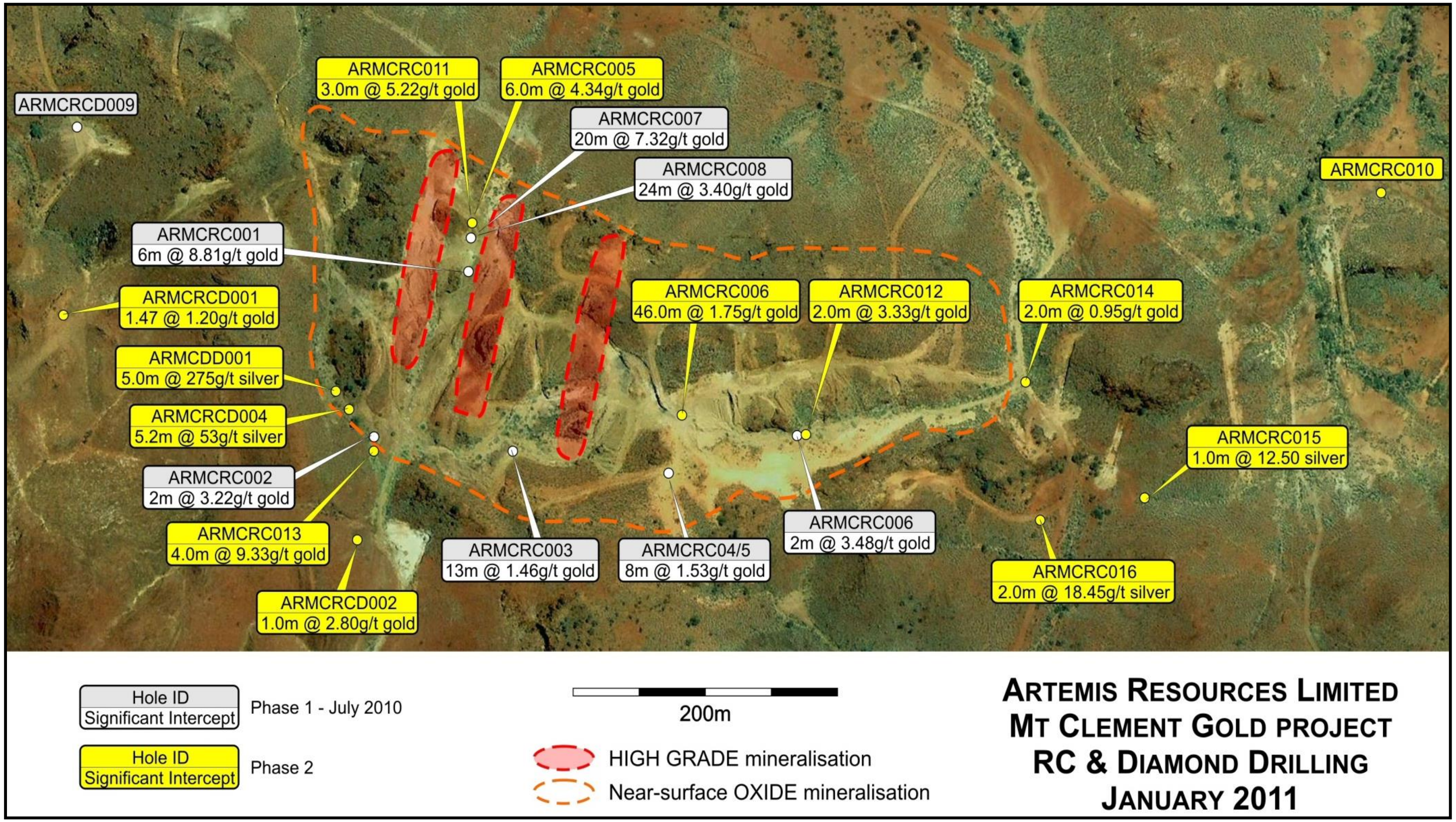
Gold: **Mount Clement Gold Project**



- Artemis best drill results include: ***6m at 8.81g/t Au***

  20m at 7.32g/t Au

  4m at 9.33g/t Au

Resource estimate

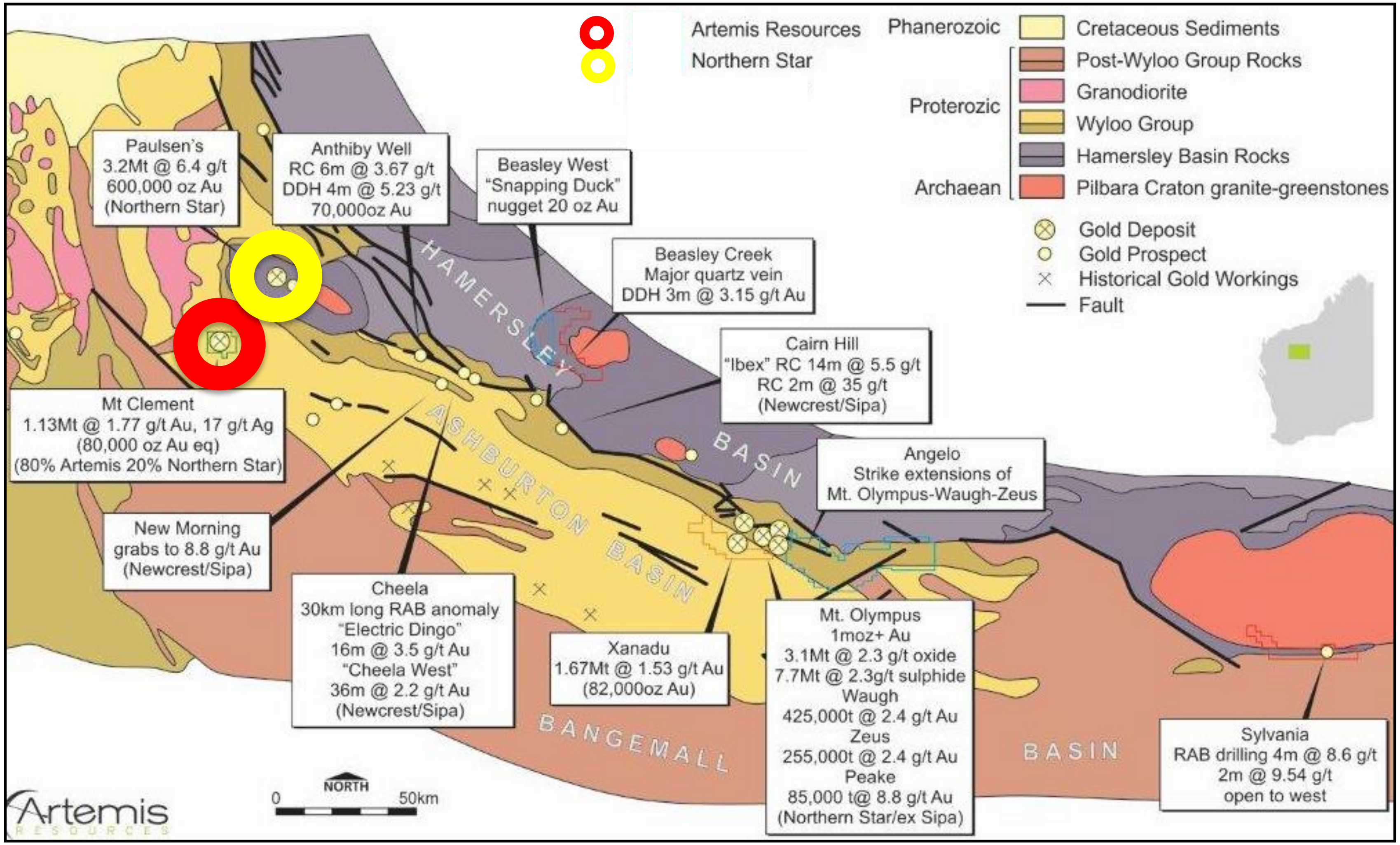
- **Mt Clement Gold Project - Inferred JORC compliant resource[2]**

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**

- Resource commences from surface
- Open down dip and along strike
- Targets identified to expand oxide and sulphide resources
- Potential satellite feed for nearby operations

Gold: **Mount Clement Gold Project**

Ashburton Gold Basin, WA



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

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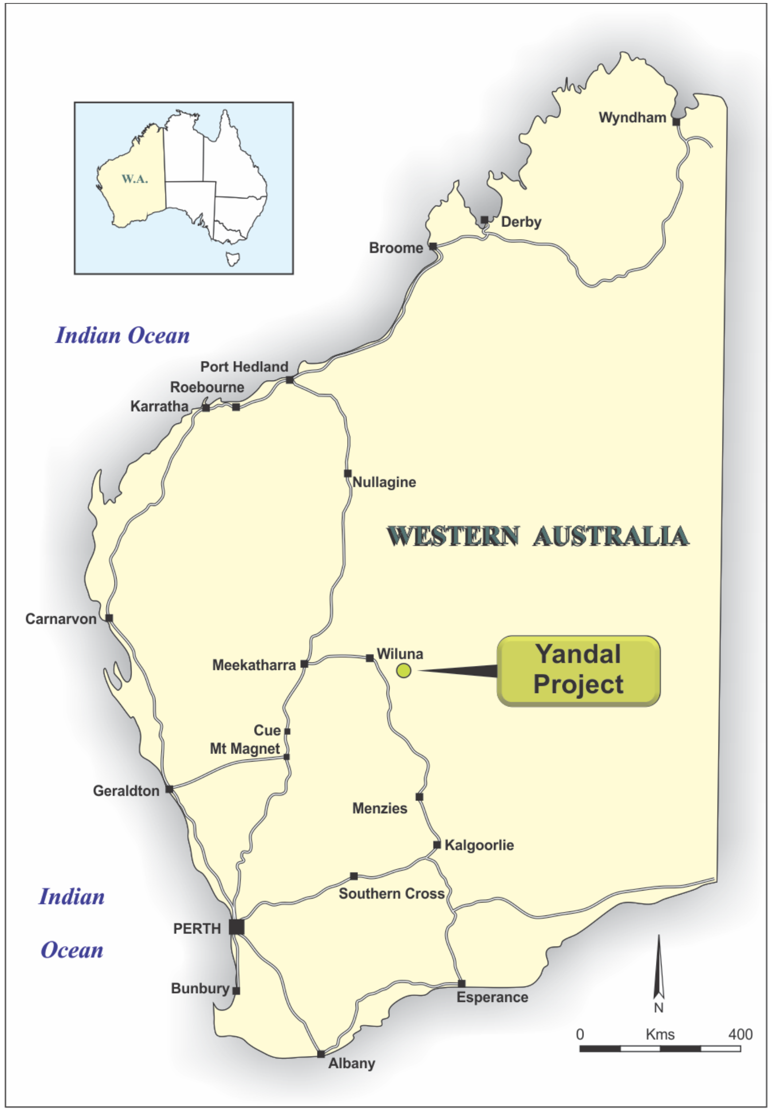
Gold:

Yandal Project



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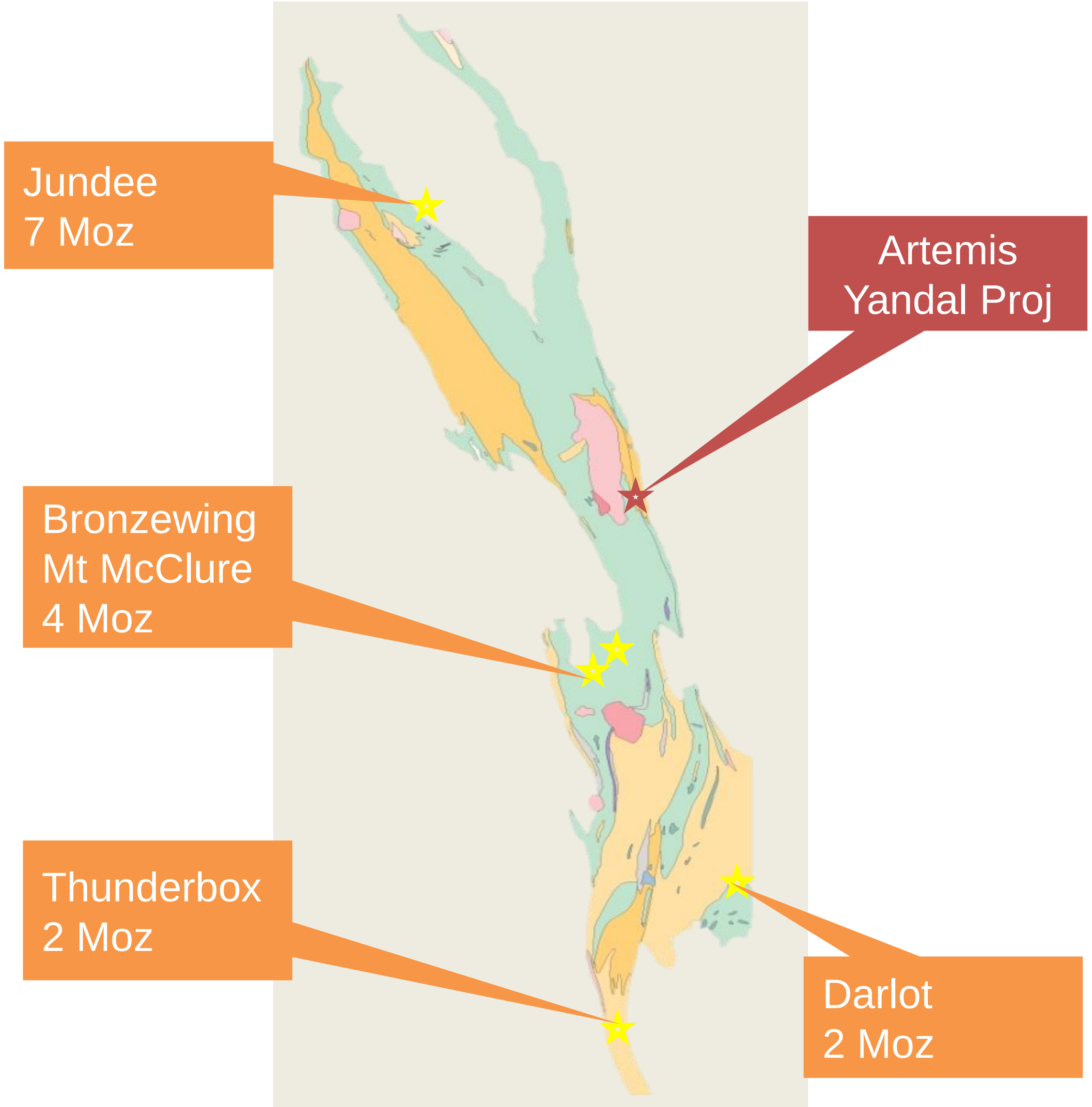
Yandal Au Project - Overview

- Located in the Yandal Greenstone Belt
- A premier WA gold producing province
- >13Moz gold discovered – most since 1987!
- Under-explored compared to other Eastern Goldfields greenstone belts
- Potential for multi-million ounce discoveries
- Existing gold production infrastructure
- Renewed interest in region with Newmont, Blackham Resources and Apex Minerals active



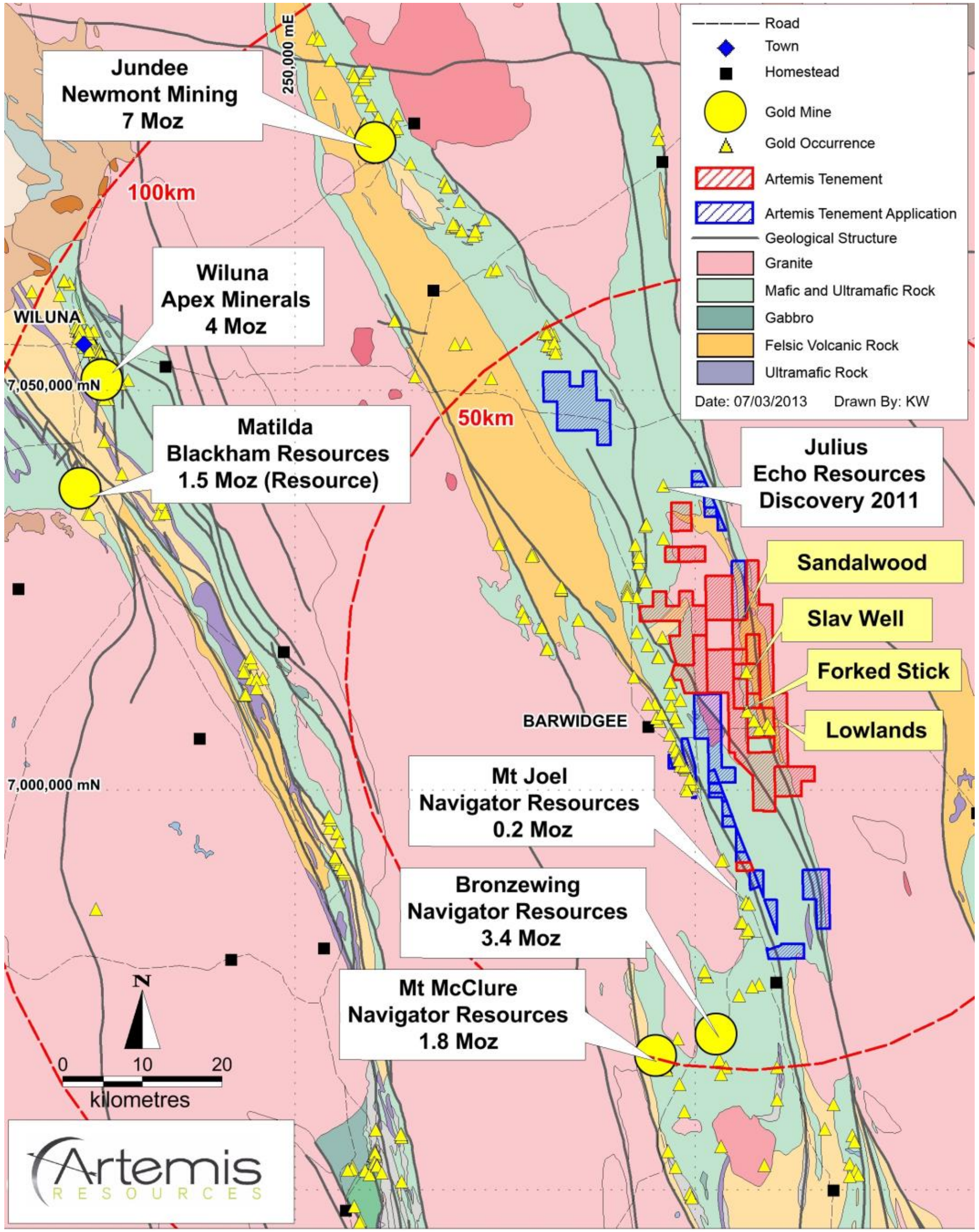
Gold: Yandal Project

Overview

- Newmont's Jundee (7Moz) mine 80km to NW
- Bronzewing (4Moz) gold mine 30km to the Sth
- Artemis holds…
  - >28,000ha of greenstone belt (red)
  - 17,000ha of tenements under application (blue)
- Much of the greenstone belt is under cover, hence significantly under-explored

.

- **2011 Drilling** extended **Lowlands** deposit and confirmed high grade gold at **Forked Stick**
- **2012 Drilling** confirmed additional mineralisation at Lowlands and new mineralisation 350m to the south at **Lowlands South**.
- Echo Resources' December 2012 **Julius** discovery - "*Bonanza grades*" include 11m @ 40.2g/t Au



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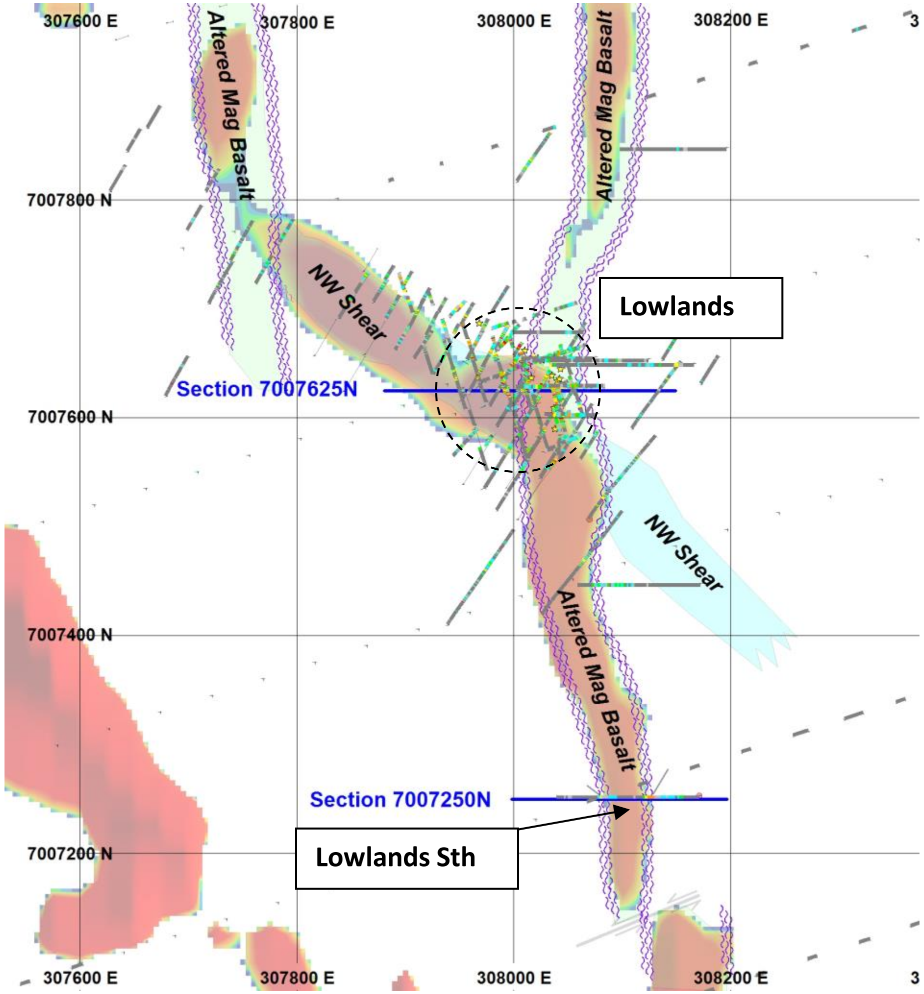
Gold: Yandal Project – 2012 Drill Results



Lowlands

- Lowlands sited on important regional gold bearing fault and shear structures
- Multiple targets identified following comprehensive review of geological setting, geophysics and drilling data
- Only 17 RC holes drilled in the 47 targets to date
- **2012 drilling** included:

YARC23	8m @ 1.52 g/t Au
YARC29	40m @ 1.21 g/t Au
YARC30	12m @ 1.06 g/t Au

Lowlands South

- **New discovery** in 2012, 350m south of Lowlands
- 12m at 1.78g/t in hole YARC 20
- Continuation of N-S trending Lowlands feature

- Open in all directions

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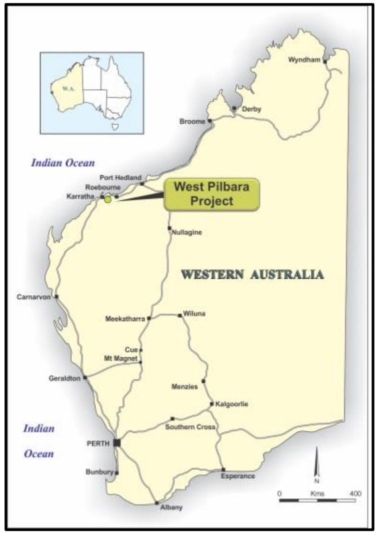
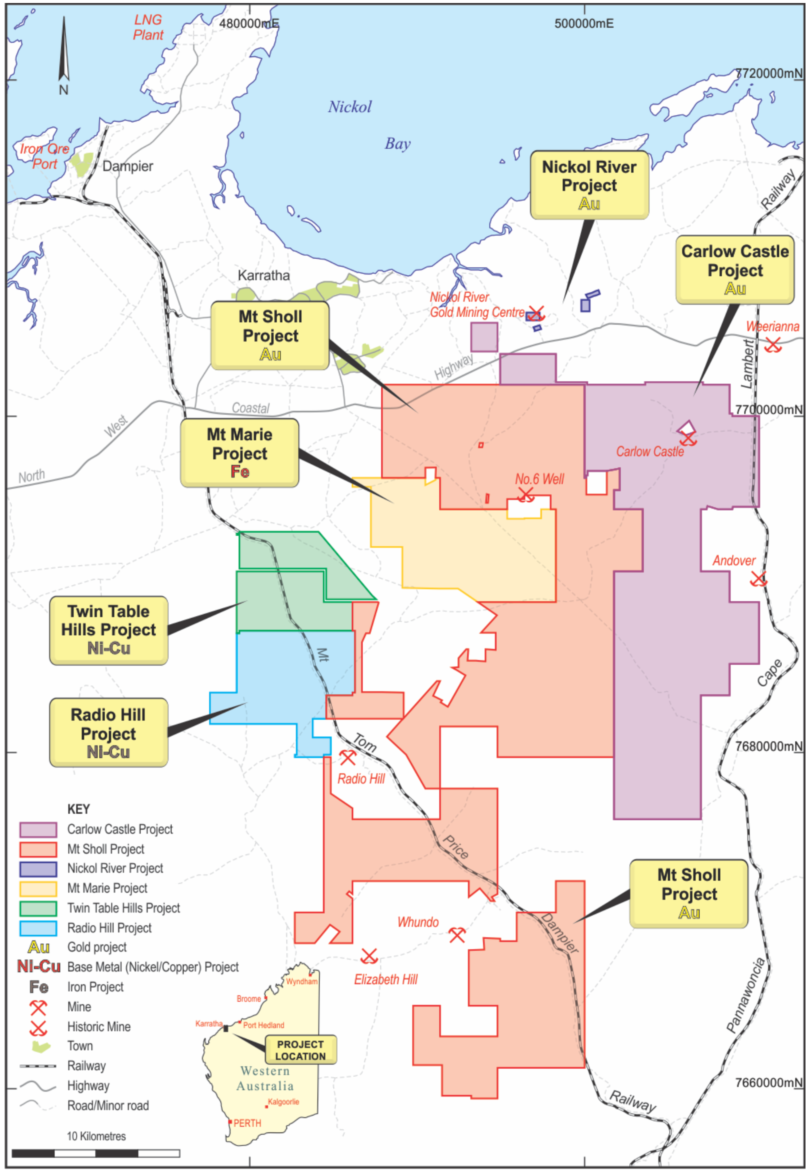
Cu, Au, Ni, Fe :

West Pilbara Project

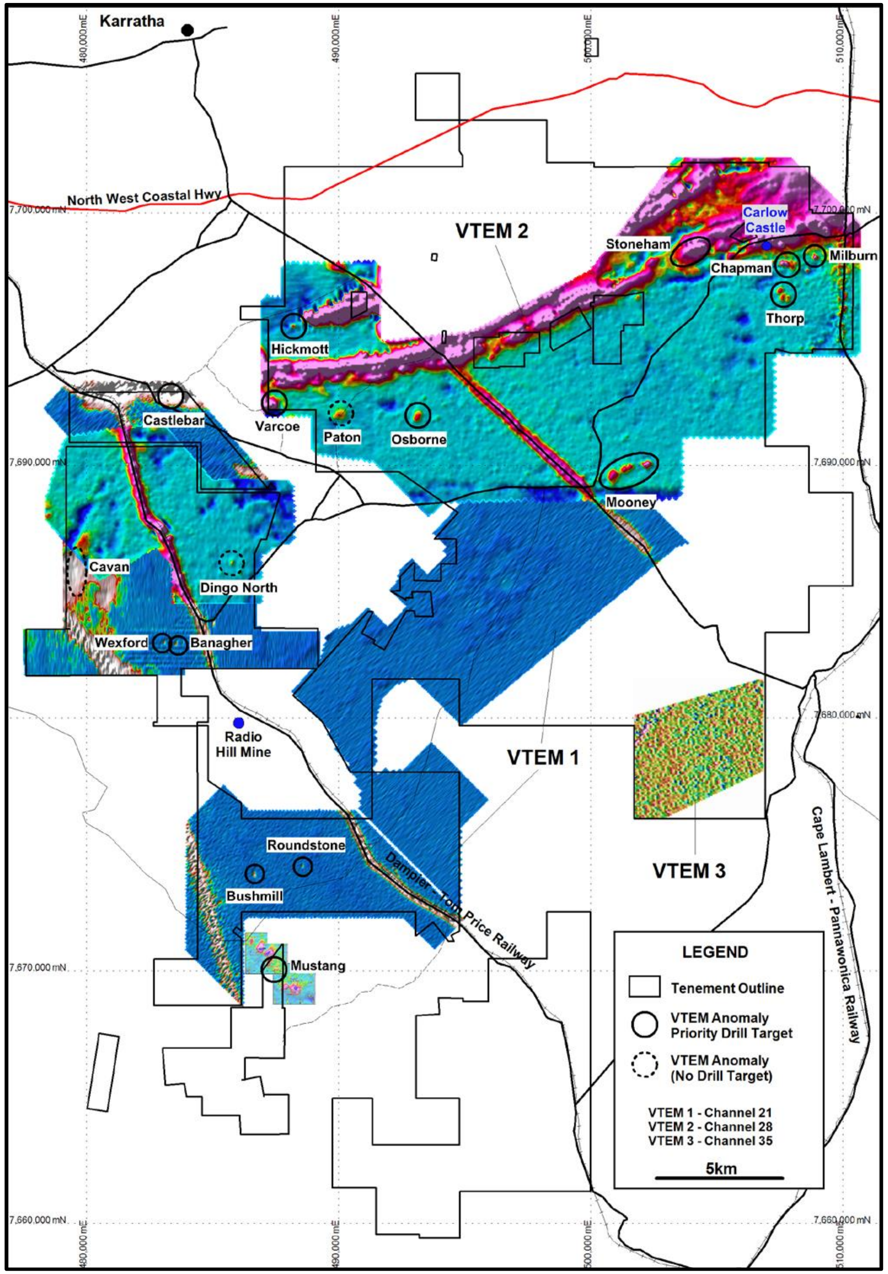




ARV West Pilbara Tenements

Overview

- Significant land package acquired mid 2012
- >40 prospective tenements covering ~700 sq km
- Prospective for 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
- ***Discussions underway with potential joint venture partners***



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Key West Pilbara Projects

Carlow Castle
- JORC compliant Inferred Resource:
  91,000 tonnes at 10 g/t Au and 1.4% Cu
- Potential to increase resource size
- Underexplored - deeper drilling to test extensions
- Four untested priority VTEM (walk-up) drill targets

Mt Sholl
- **Cleaverville Formation** - source of magnetite iron ore
  eg. 1.6Bt Cape Lambert magnetite iron ore deposit
- **Golden Reef** - substantial source of alluvial gold since 1987
- **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 gold up to 6.3g/t Au.
- Potential for discovery of additional gold mineralisation in areas beneath shallow historical drilling.

Mt Marie Project
- Hosts Cleaverville Formation BIF units – a potential source of magnetite iron ore
- Potential for gold, copper, zinc, silver and nickel
- Three untested priority VTEM drill 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
- Potential to host massive nickel-copper sulphide mineralisation similar to nearby Radio Hill and Ruth Well.
- Twin Table Hills potential for iron mineralisation

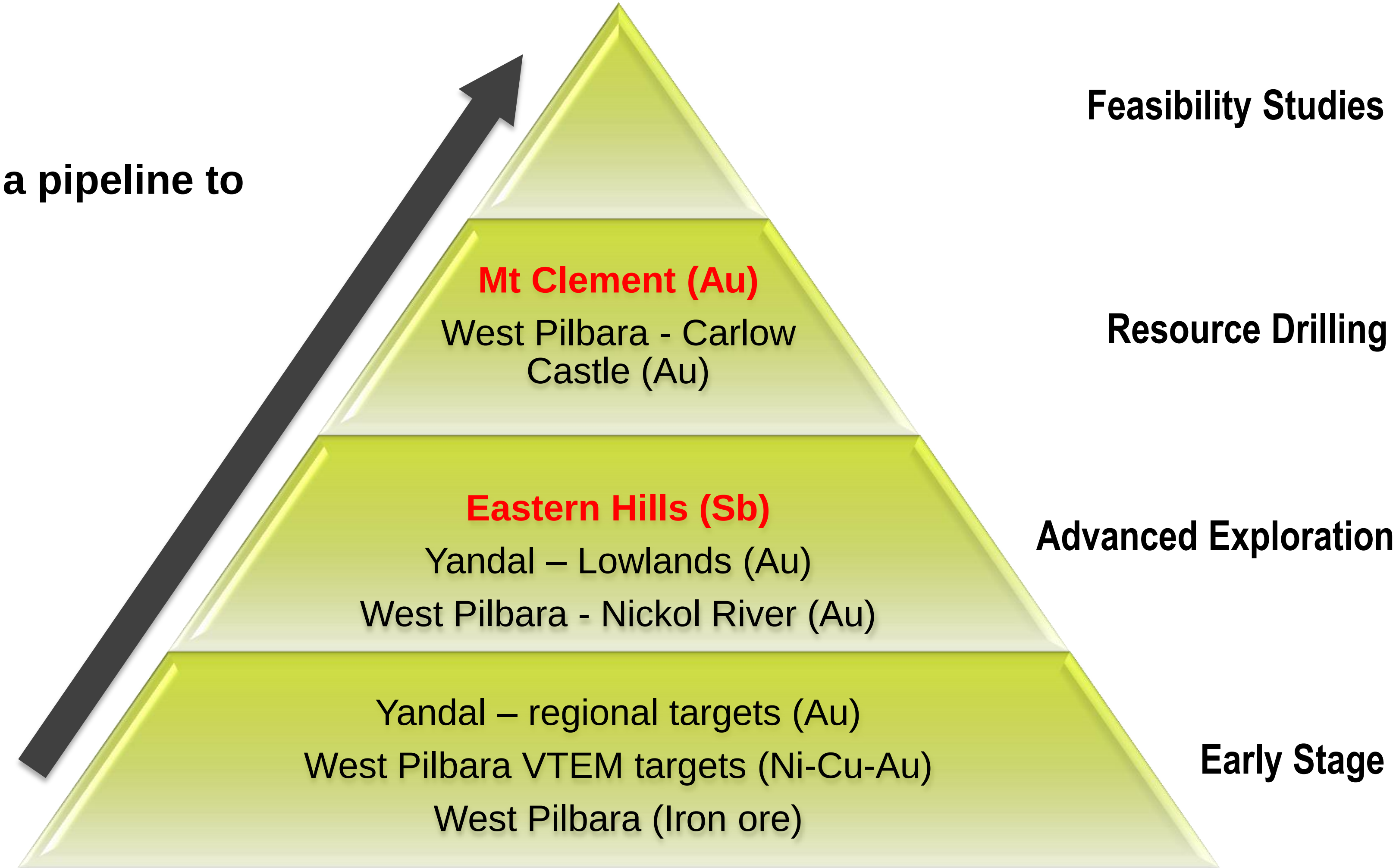
Radio Hill West Project
- Less than 2kms north of the Radio Hill nickel mine.
- Potential for discovery of Radio Hill type massive sulphide mineralisation.
- Artemis to further evaluate nickel-copper-PGE mineralisation at the Little Dingo and Toorare Pool prospects.

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



ARV Strategy Overview

Short/Medium Term

- Drill antimony-lead targets at Eastern Hills (Q3 2013)
- Stage 2 drilling of Yandal gold targets and define JORC compliant gold resource (2H13)
- Establish dominant land position in Yandal (new applications submitted)
- Field reconnaissance and prioritise targets at West Pilbara
- Attract joint venture partners to jointly explore selected projects

Medium/Long Term

- Advance Eastern Hills project quickly to scoping study and possible PFS in 2014
- Execute aggressive exploration program at Eastern Hills and Mt Clement
- Actively source high quality new advanced project opportunities
- Continue to explore possibilities for strategic divestments of selected properties

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