

# ECHO RESOURCES

Julius Gold Discovery Update

4 May 2011

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# Highlights

Highly experienced team with a discovery track record

Exploring for world-class gold deposits in the Eastern Goldfields

Eastern Goldfields contains ~30% of World gold reserves and at least 15 world-class gold deposits

Julius Gold Discovery is located in the prolific Yandal Gold Province (+13Moz Au) between major gold mines operated by Newmont and Barrick

Greenfields gold discovery with multi-million ounce potential

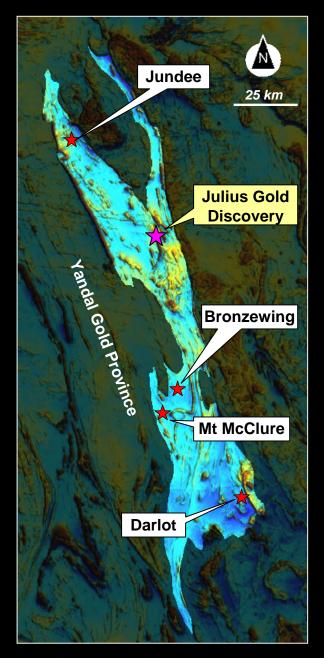
Major drilling program with up to 2,500m of RC drilling and 1,000m of DC drilling about to start

Provision to extend the drilling program

Tight capital structure

Potential for significant share price re-rating





# **Company Overview**

### **Directors**

Peter Andrews (Non-executive Chairman)

BSc(Hons), BJuris(Hons), LLB, FAusIMM, FAIG Geologist

40 years experience in the funding and management of resource companies.

**Ernst Kohler (Managing Director)** 

PhD (Geology), MBA, MAusIMM, MAIG

**Chartered Geologist** 

Senior exploration and mining roles at the Jundee and Bronzewing Gold Mines. CSIRO Group Leader "Gold and Nickel Exploration Under Cover". Discovery track record for large gold deposits. Principal author of several chapters of CSIRO's Yandal Gold Province book.

Graham Anderson (Director / Company Secretary)

BBus

**Chartered Accountant** 

25 years of commercial and corporate experience specialising in the mining and exploration industry.

## Capital Structure

ASX code EAR

Issued shares 66.06M

Options (unlisted) 2.45M

Market capitalisation \$15M

Top twenty 62%

Major Shareholders 37% Directors

12% JP Morgan Nominees

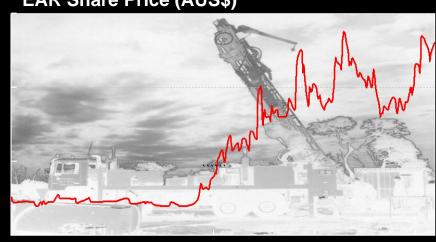
**EAR Share Price (AUS\$)** 

0.30

0.20

0.10

0.00



21 April 2010

3 May 2011

## **Outlook for Gold**

Gold has been one of the best performing assets of the past decade

Safe-haven asset and currency-hedge

Strong investment demand

Declining world gold production

New supply growth limited

Strong gold demand forecast

Positive gold price outlook



#### Gold to surpass \$US1600/oz

Colin Jacoby Thursday, 14 April 2011

DON'T be surprised if gold breaks through the \$US1600 an ounce mark before year end, consultancy GFMS says, thanks to further growth in investment demand.

In its Gold Survey 2011 report released on Wednesday, GFMS chairman Philip Klapwijk said the prospects for the precious metal for the remainder of 2011 "remain right".

"Investors continue to be concerned about the outlook for inflation, with governments in general showing little appetite to tighten monetary policy significantly," he said.



"And, with the spotlight also shining on the state of government finances, there is every reason to believe that investors will remain focused on the gold market."

## Obama lays out \$4 trillion in spending cuts

By Jane Cowan and Craig McMurtrie

Updated 4 hours 58 minutes ago

US president Barack Obama has laid out a \$4 trillion plan to cut America's budget deficit, and slammed Republican plans for deeper spending cuts.

Mr Obama wants to slash the deficit by ending tax cuts for the wealthy and cutting defence spending, but he is leaving the social security system largely intact and resisting calls to turn Medicare into a privatised voucher system.

Mr Obama's proposed cuts would occur over a 12year period.



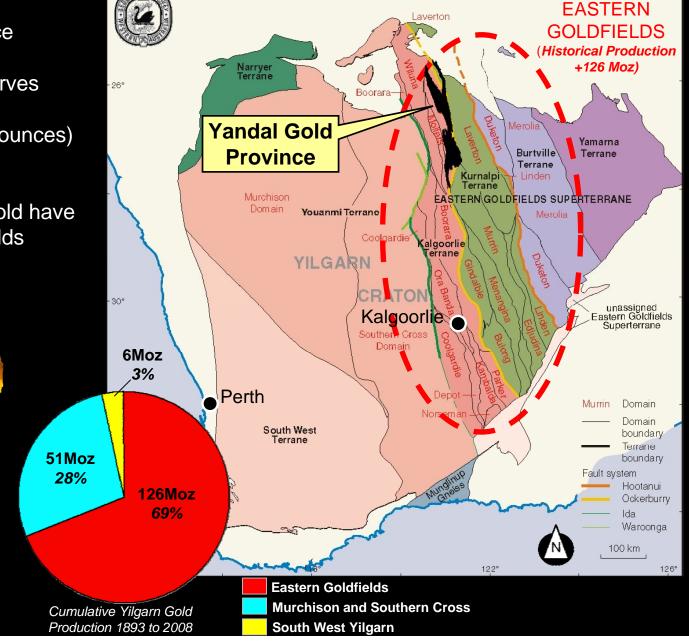
## **Regional Context**

Located in the Eastern Goldfields, Australia's premier mineral province

Contains ~30% of World gold reserves

At least 15 world-class (+3 million ounces) gold deposits

More than 126 million ounces of gold have been mined in the Eastern Goldfields



"Elephant Country" for gold deposits

Yandal Gold Province

WESTERN <u>AUS</u>TRALIA

Kalgoorlie

Perth

**Yandal Gold** 

**Province** 

One of Australia's richest gold belts

Gold production and endowment exceeds 13Moz

Four operating gold mines

- Jundee (Newmont)
- Darlot (*Barrick*)
- Bronzewing & Mt McClure (*Navigator*)

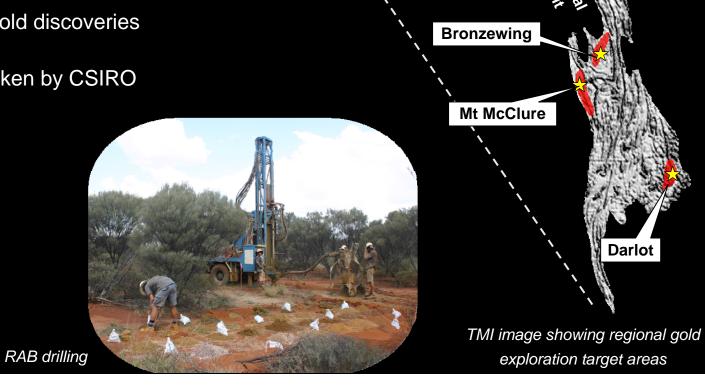
Under-explored for gold deposits

Potential for multi-million ounce gold discoveries

Significant scientific work undertaken by CSIRO

Multiple gold targets

Proximal to existing infrastructure



Jundee

Regional

exploration

targets

Julius Gold Discovery

## Yandal Gold Production Hubs

Jundee

Julius Gold Discovery is located in a major gold production area with

substantial infrastructure

Jundee (1) **NEWMONT** 

9.3Mt @ 4.1g/t Au: 1,215 Koz

4.7Mt @ 5.0g/t Au: 760 Koz

290 – 410 Koz per annum

#### Key

Resource (inclusive of Reserve)

Reserve

Typical historical production

**Bronzewing** 

**Julius Gold** Discovery

Bronzewing - Mt McClure (2) **NAVIGATOR** 

13.5Mt @ 2.1g/t Au: 936 **Koz** 

8.1Mt @ 1.8g/t Au: 480 **Koz** 

190 – 300 Koz per annum

(GCM / Normandy)

100 Koz per annum

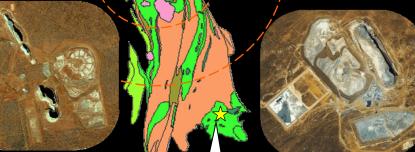
(Navigator production target)

Mt McClure

**Granitoids** 

**Felsic volcanics** 

**Mafic volcanics** 



**Darlot** 

Darlot (3) **BARRICK** 

5.4Mt @ 4.2g/t Au: 749 **Koz** 

3.2Mt @ 3.9g/t Au: 403 Koz

120 - 150 Koz per annum

(1) As at 31 December 2010: Newmont Mining Corporation (24 February 2011)

(2) As at 31 August 2010: Navigator Resources Limited (14 February 2011)

(3) As at 31 December 2010: Barrick Gold Corporation (17 February 2011)

Please refer to end notes.

# Regional Gold Potential

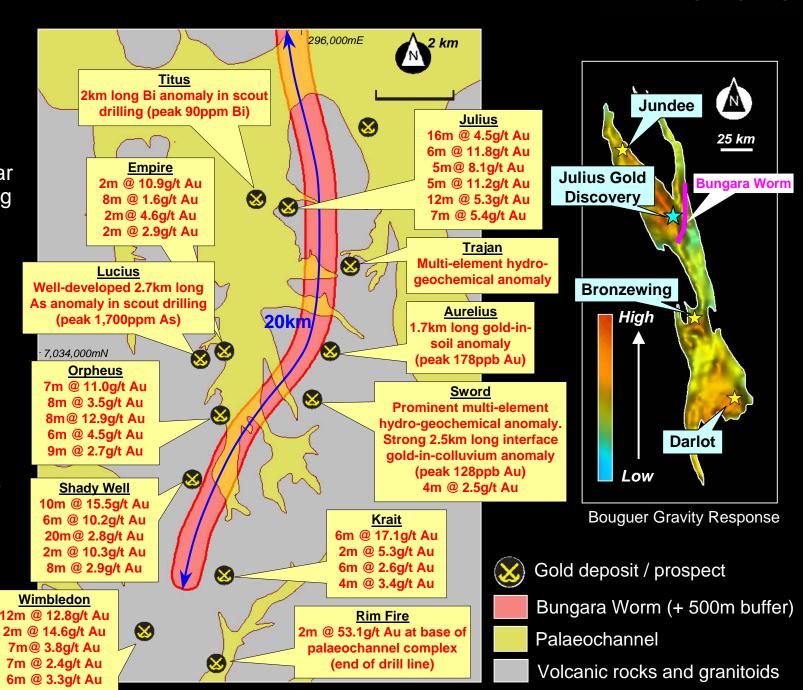
3D prospectivity analysis has identified a major "break" ("Bungara Worm") on Echo's ground

Marks a deep-seated shear zone or contact penetrating to a depth of +30km

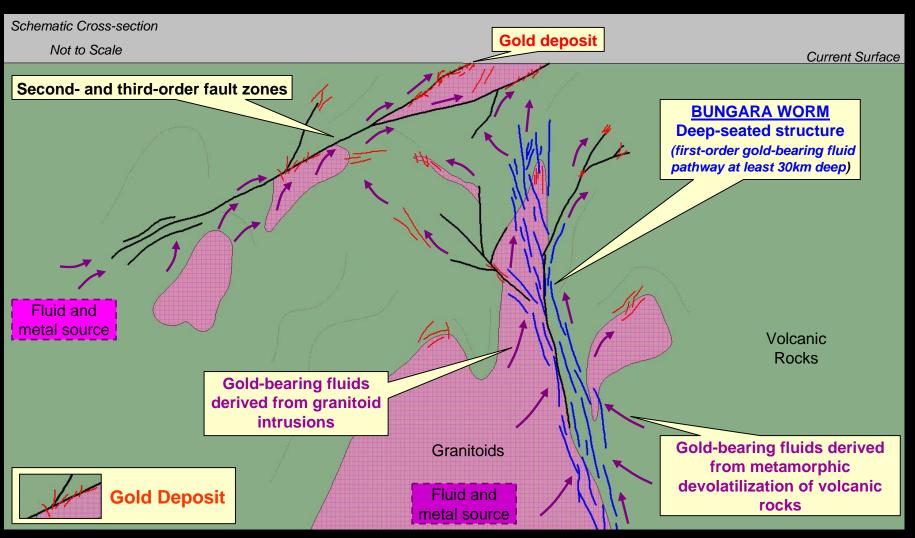
Several promising gold prospects are located on Echo's ground adjacent to the Bungara Worm

Significant untested gold potential

Northern strike extensions are virtually unexplored



## **Exploration Model**



The Bungara Worm is interpreted as a major conduit that enabled gold-bearing hydrothermal fluids and granitoid magmas to move from deep in the crust to higher crustal levels

The gold-bearing fluids then exploited shallower faults to reach trap sites suitable for forming gold deposits in volcanic and granitoid host rocks adjacent to, and above, the Bungara Worm

Virgin discovery along a sheared ultramafic - granodiorite contact

Weathering locally to 70-100m below surface

Gold mineralisation starts at 7m below surface and extends into fresh rock

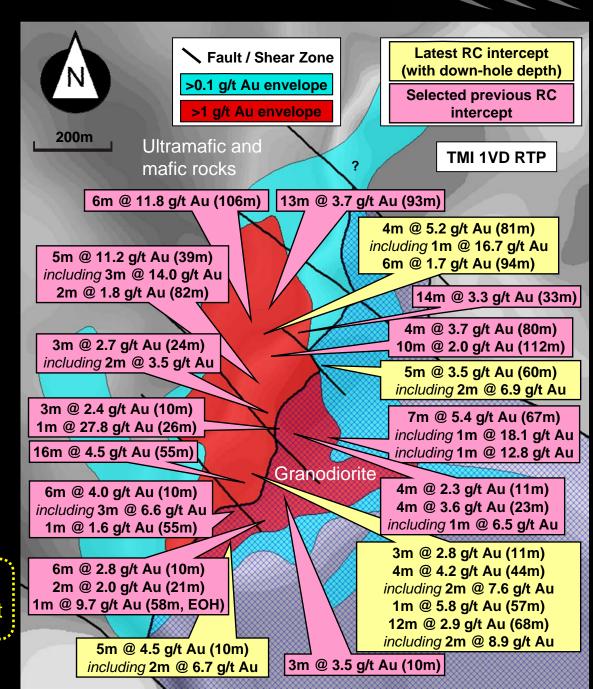
Significant widths of hydrothermal alteration within demagnetised bedrock

Altered and gold mineralised domain is at least 1,300m long x 600m wide in plan view

Mineralisation open to the north, west and east

High-grade shoots within the gold lodes

Julius Gold Discovery offers an excellent opportunity to outline a high-quality gold deposit

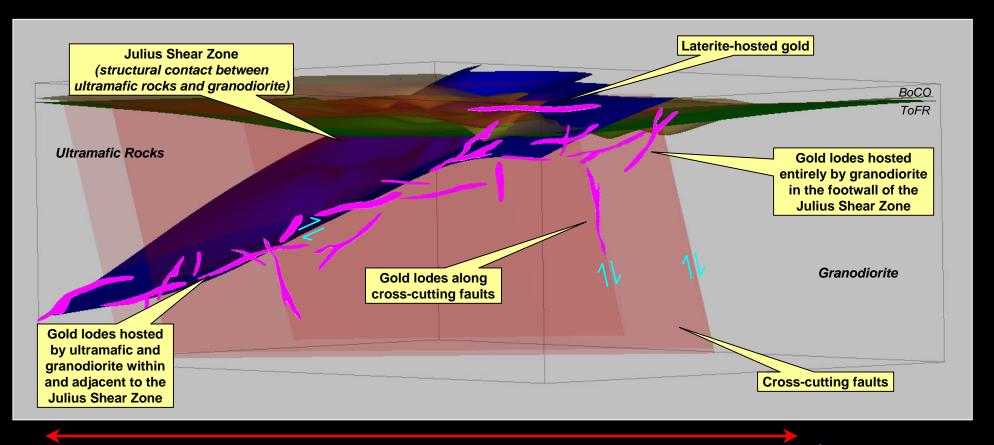


Surface Colluvium (7 to 20m thick) Laterite (1 to 6m thick) Saprolite (30 to 70m thick) (Weathered ultramafic rocks and granodiorite) **Sheared contact** Fresh ultramafic rocks (open at depth) **Julius Shear Zone** (structural contact between ultramafic rocks and granodiorite) Fresh granodiorite (open at depth) Schematic column showing the distribution of gold zones at Julius

(not to scale)

Each chip-tray interval represents 1m of drilling

3D model of the structural framework of the Julius Gold Discovery showing interpreted extensions to the gold mineralisation at depth

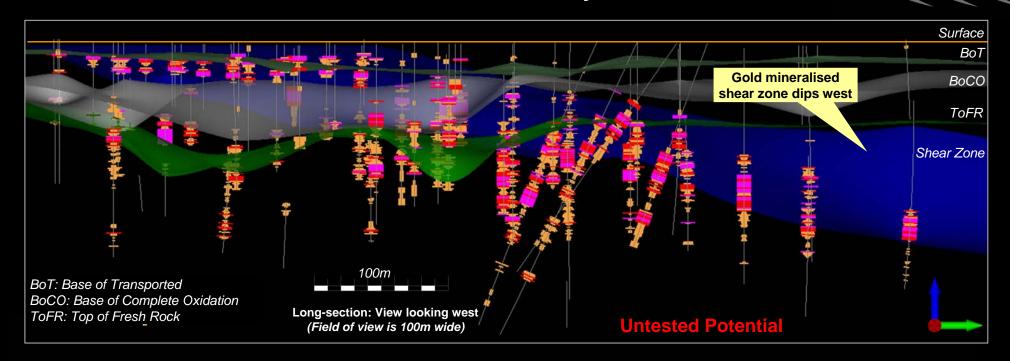


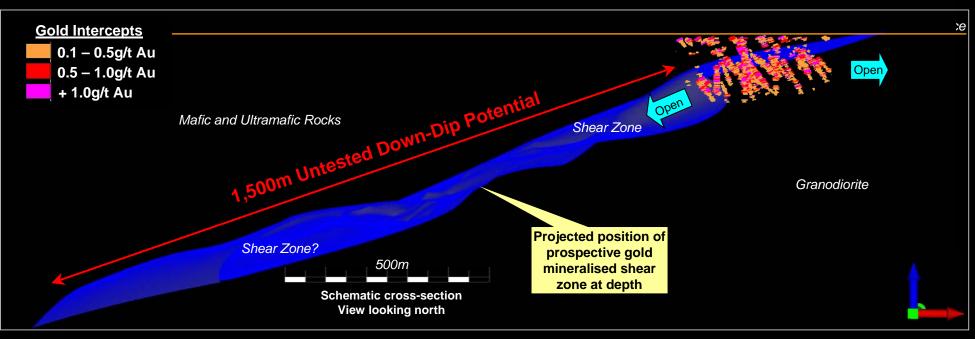
**Multi-million ounce potential** 

View looking North (not to scale)

Interpreted gold lode

BoCO: Base of Complete Oxidation ToFR: Top of Fresh Rock





Titus Gold Target

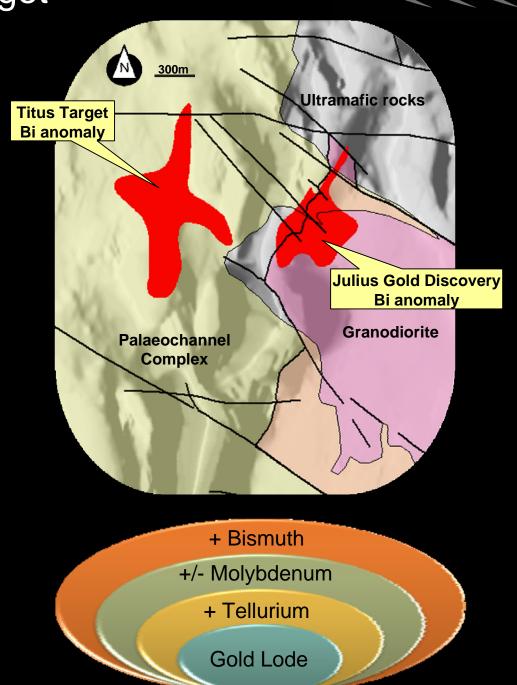
The Julius gold mineralisation is associated with elevated Bismuth (Bi), Molybdenum (Mo) and Tellurium (Te) "pathfinder" elements

The pathfinder elements extend beyond the gold zone to form dispersion haloes which can be used to locate blind gold mineralisation

Shallow scout drilling across the Titus Target has located a 2km-long Bi anomaly beneath a palaeochannel complex west of Julius

The Titus Bi anomaly may reflect the down-dip extensions of the Julius gold system, or a new gold system

Significant untested exploration potential

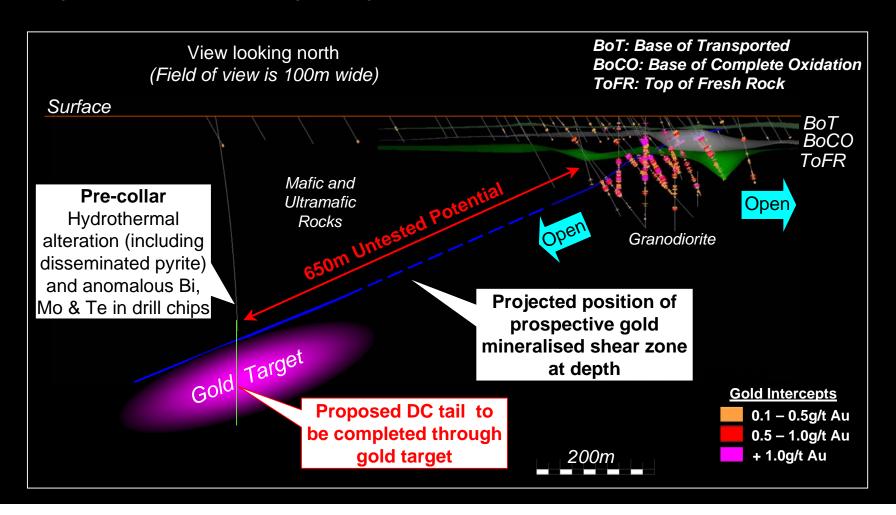


# **Drilling Program**

Major drilling program with up to 2,500m of Reverse Circulation (RC) drilling and 1,000m of Diamond Core (DC) drilling during May and June

Strategic step-out DC drilling to locate deep gold lodes and to assess the size of the deposit

RC rig will also test shallower gold targets north and east of Julius



## Positioned for Success

Actively exploring for world-class gold deposits in one of the World's most prospective domains

Targets open along strike and at depth

Outstanding multi-million ounce discovery potential

Extensive in-house expertise

Tight capital structure





Priority targets at Julius and Titus

Major exploration push underway

Aggressive RC and DC drilling program during May and June

Drilling to assess down dip and strike extensions for a +1Moz gold deposit

Potential for a major re-rating of the stock



## www.echoresources.com.au

Enquiries regarding this document should be directed to:

**Ernst Kohler** 

Tel: (08) 9362 4806

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Dr Ernst Kohler who is a Member of The Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Dr Kohler is Managing Director of Echo Resources Limited. Dr Kohler 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' (JORC Code). Dr Kohler consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

It is common practice for a company to comment on and discuss its exploration in terms of target size and type. The information in this presentation relating to exploration targets should not be misunderstood or misconstrued as an estimate of Mineral Resource Ore Reserves. Hence the terms Resource(s) or Reserve(s) have not been used in this context. Any potential quantity and grade is conceptual in nature, since there has been insufficient work completed to define them beyond exploration targets and that it is uncertain if further exploration will result in the determination of a Mineral Resource.

Resources and Reserves for Jundee, Darlot and Bronzewing-Mt McClure are based on latest publicly available reports and other historical information. These estimates have not been verified by Echo Resources Limited and may not comply with JORC Code. The estimates should not be considered as Mineral Resources or Ore Reserves.