



Tropicana Joint Venture

Tropicana

An integrated approach to understanding granulite-hosted gold

Mark Doyle 9th April 2014



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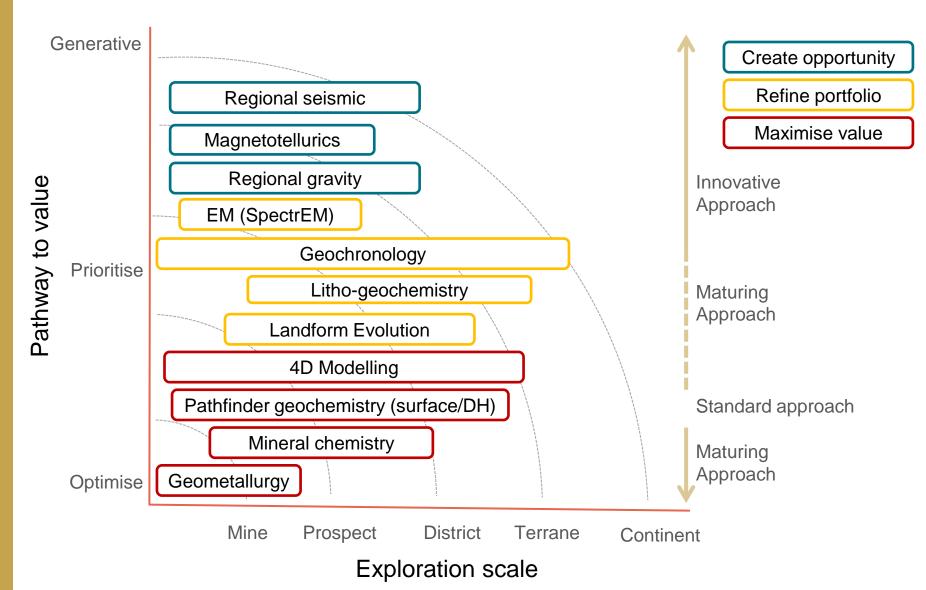
The Company disclaims any intent or obligation to update any forward-looking statements, whether as a result of new information, future events or results or otherwise. All forward-looking statements made in this presentation are qualified by the foregoing cautionary statements. Investors are cautioned that forward-looking statements are not guarantees of future performance and, accordingly, not to put undue reliance on such statements.

Independence Group NL

ABN 46 092 786 304

Applied research for accelerated mineral deposit discovery

A virtually blank canvas in terms of exploration and geoscience research



ANGLOGOLD ASHANTI

Co-authors and partner institutions

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ANGLOGOLD ASHANT

Tropicana Project – 100%

Location: 330 km east-north east of

Kalgoorlie in Western Australia

Ownership: AngloGold Ashanti Australia Ltd 70% and manager; Independence Group NL 30%

Discovered: 2005

Approved: November 2010

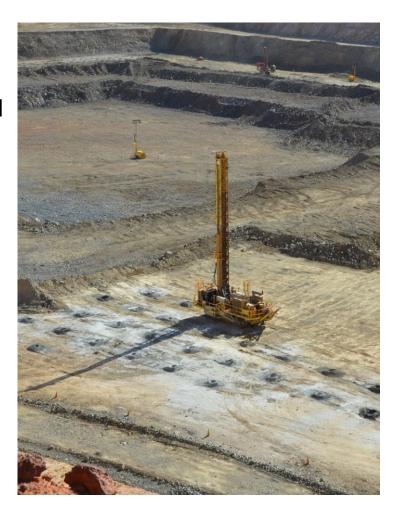
First Gold Production: September 2013

Forecast production 2014: 485,000 –

528,000 oz

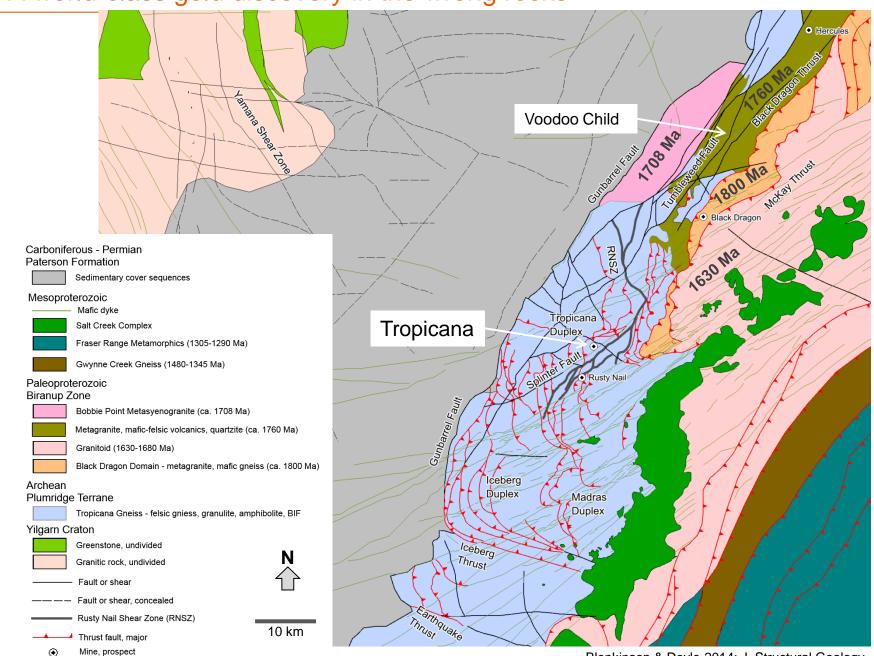
Production December 2013 quarter: 95,050 oz

LOM cash cost: A\$710/oz-730/oz



Mine Life: 11+ years

A world-class gold discovery in the wrong rocks

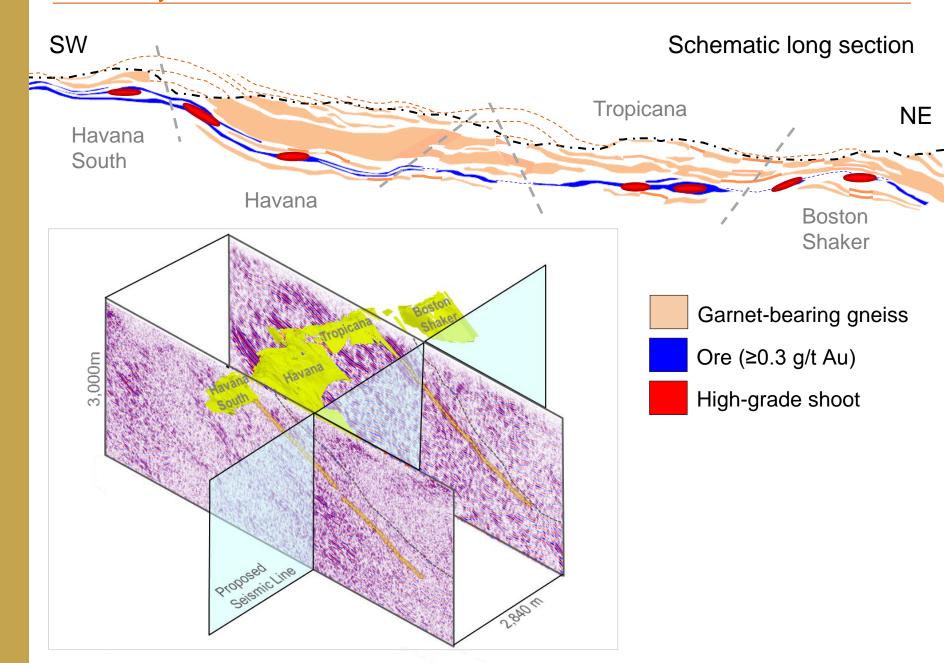


Resource

December 2013 Mineral Resource*: 116.8Mt @ 2.1g/t Au - 7.72Moz (A\$1,500/oz) 100% Project -December 2013 Ore Reserve: 54.8Mt @ 2.1g/t Au - 3.76Moz (A\$1,249/oz) * Resources are inclusive of Reserves TROPICANA OPEN PIT **HAVANA OPEN PIT** December 2013 A\$1,249/oz Au Open Cut Reserve Pit Design Open **HAVANA SOUTH OPEN PIT** Open **BOSTON SHAKER OPEN PIT** December 2013 A\$1,500/oz Au Open **Mineral Resource Pit Shell** 500m Open **Havana Deeps** Underground **Target** Open Grade >90 g x m Au 50 - 90 g x m Au Thickness Image source: mapability

Reference: IGO ASX Release 28/02/2014 Mineral Resources and Ore Reserve Estimates for Tropicana Gold Project

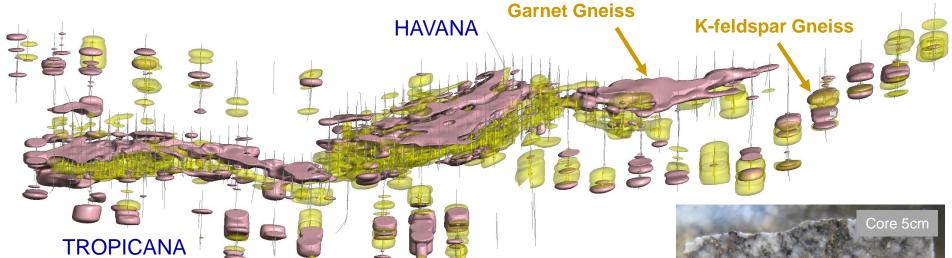
Geometry and architecture



Lithofacies – upper amphibolite to granulite facies

Long Section (viewing 30/090)







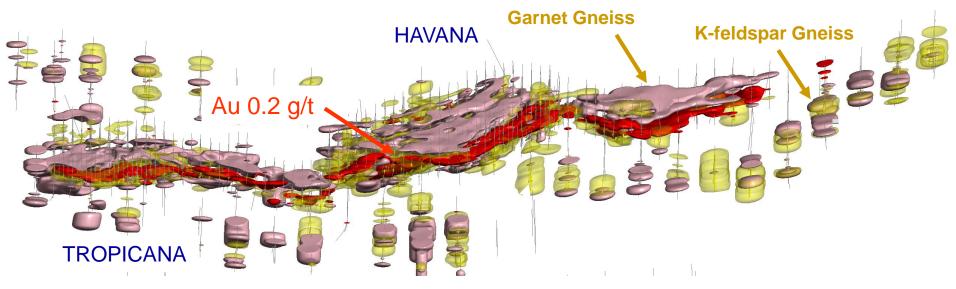




Mineralisation – greenschist facies

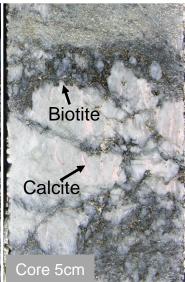
Long Section (viewing 30/090)











Lithogeochemistry

- Unmineralized host rocks amphibolite-granulite facies Kspar-poor (plagioclase dominant) diorites and tonalites.
- Mineralised syenites and syeno-granites (SiO2 contents: andesites to rhyolites).
- Favourable horizon andesite-rhyolite protolith akin to the host rock package.
- Alteration: enrichments in K and S, 'dilution-type' depletions in Ti, Mn, Mg, Ca and Na, and little or no change in Al and Fe.
- Trace element budget
 - expected strong enrichments in Ba, Rb and Pb,
 - unusual enrichment immobile high field strength elements Zr, Hf, Th, U and LREE, but not Y, Nb, Ta and the HREE.
 - enriched metals Te, Ag and Mo, with weak enrichments in As, Bi and W, and no enrichments in the base metals, Cu and Zn.



Mineralisation – post granulite-facies events

Lower-Grade



- Selective replacement
 - Mafic minerals / bands
 - Principally biotite/ amphibole
- Grain boundaries
- Fractures

Higher-Grade



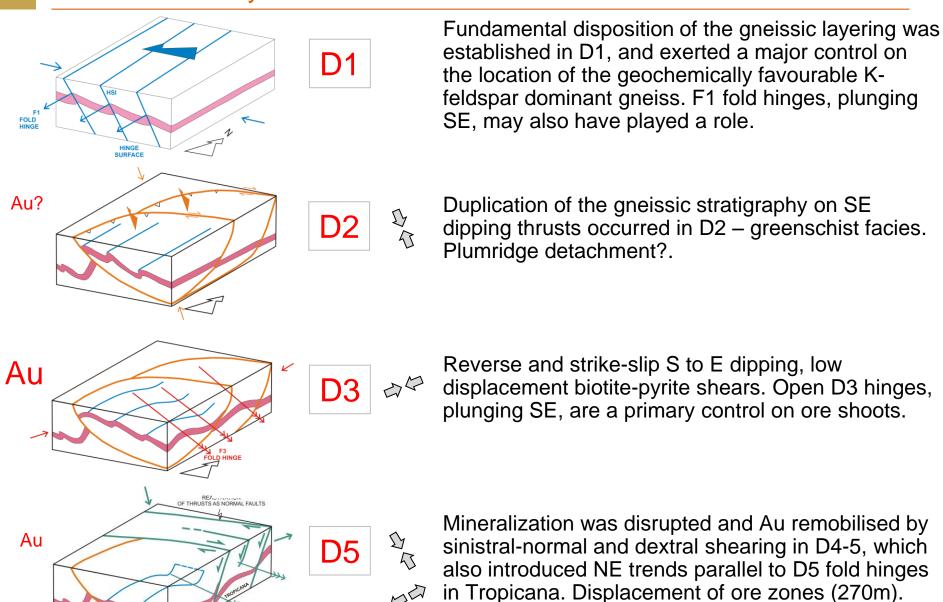
- Crackle-breccia textures
- Stylolitic fractures
- Veins (biotite-pyrite)
- Extensional veins (calcite)
- S-C fabrics

Visible Au

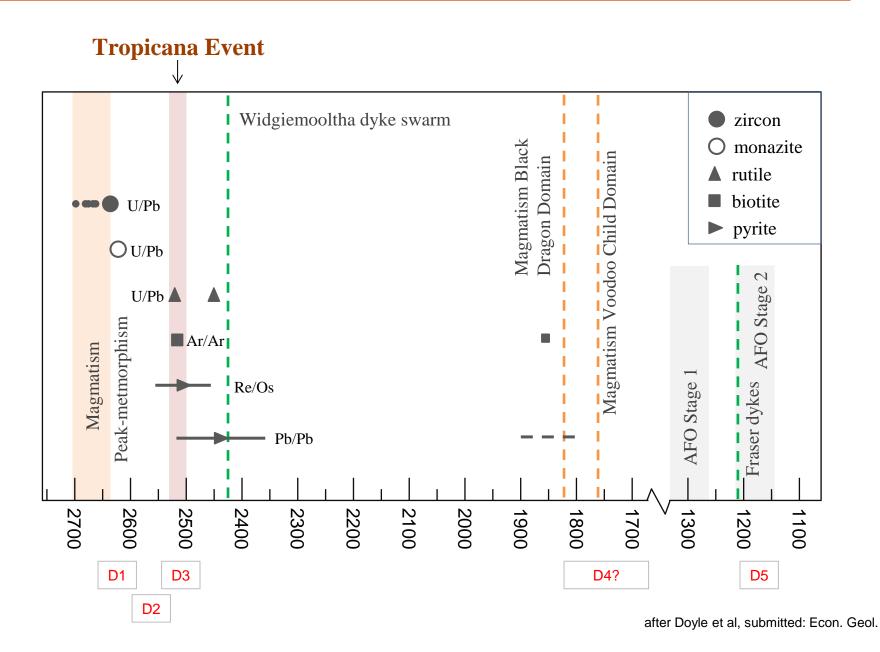


- · Quartz veins, anatexite
- Late fractures (muscovite)
- Proterozoic remobilisation

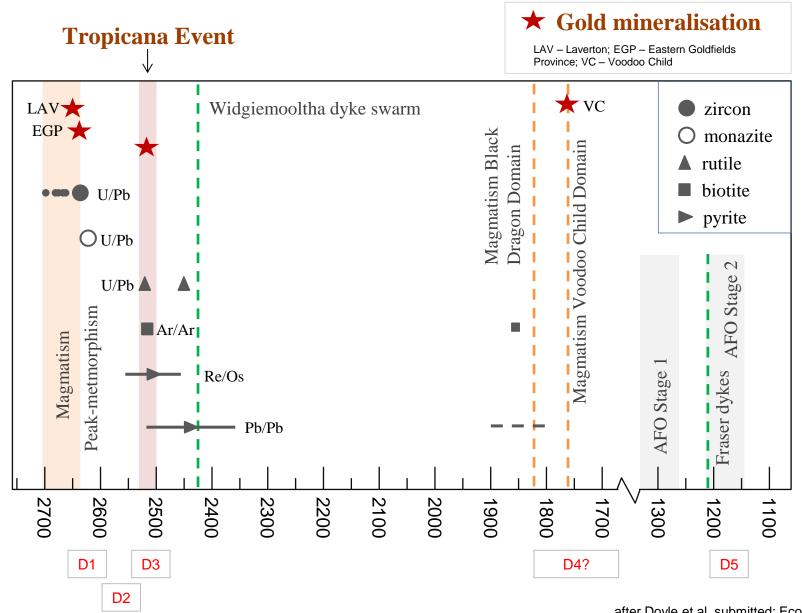
Structural history



Geochronological constraints



Geochronological constraints



- Post-metamorphic gold deposit (cf. Renco, Zimbabwe)
 - Granulite terranes marginal to adjacent craton
 - Ore bodies dip moderately away from craton
 - Late orogenic structurally controlled style
 - Shear zones and mineralised breccia
 - Retrograde path (amphibolite; greenschist)
- Causative tectono-thermal event (Tropicana event)
- Neoarchean and Proterozoic Au
 - Yilgarn (limited evidence for disturbance at c. 2500Ma)
 - Eastern Dharwar Craton, India (e.g. Hutti, 800 t Au, 2547 Ma)
 - ~100 My after global peak orogenic gold mineralisation
 - Subordinate peak in juvenile continental crustal production and gold deposit formation



Table 1: Tropicana Gold Project (100%) December 2013 Mineral Resources

		Tonnes	December 2013 Contained	
	Classification	(Mt)	Au g/t	Au (M Oz)
Open Pit	Measured	28.6	2.06	1.89
	Indicated	74.0	1.88	4.48
	Inferred	5.8	2.57	0.48
	Sub-Total	108.4	1.97	6.85
Underground	Measured	-	-	-
	Indicated	2.4	3.58	0.27
	Inferred	6.1	3.07	0.60
	Sub-Total	8.5	3.21	0.87
Total Tropicana	Measured	28.6	2.06	1.89
•	Indicated	76.4	1.94	4.75
	Inferred	11.9	2.83	1.08
GRAND TOTAL		116.8	2.06	7.72

Notes:

For the Open Pit Mineral Resource estimate, mineralisation in the Havana, Havana South, Tropicana and Boston Shaker areas was calculated within a US\$1,550/oz pit optimisation at an AUD:USD exchange rate of 1.03 (A\$1,500/oz). The Open Pit Mineral Resources have been estimated using the geostatistical technique of Uniform Conditioning, using cutoff grades of 0.3g/t Au for Transported and Saprolite material, 0.4g/t Au for Transitional and Fresh material. The Havana Deeps Underground Mineral Resource estimate has been reported outside the US\$1,550/oz pit optimisation at a cut-off grade of 1.73g/t Au, which was calculated using a gold price of US\$2,000/oz (AUD:USD 1.05) (A\$1,896/oz). The Havana Deeps Underground Mineral Resource was estimated using the geostatistical technique of Ordinary Kriging using average drill hole intercepts.

Resources are inclusive of Reserves.

The Competent Persons statement is incorporated in the JORC Code Statements which follow Table Two. JORC (2012) Table 1 Parameters are set out in the IGO website at www.independencegroup.com.au

Table 2: Tropicana Gold Project (100%) – December 2013 Ore Reserve

Ore Reserve – 31 December 2013

	Classification	Tonnes (Mt)	Au g/t	Contained Au (M Oz)
Open Pit	Proved	24.9	2.26	1.81
	Probable	29.9	2.02	1.95
GRAND TOTAL		54.8	2.13	3.76

Notes:

The Proved and Probable Ore Reserve (31 December 2013) is reported above economic break-even gold cut-off grades of 0.4 g/t for Transported/Upper Saprolite material, 0.5 g/t for Lower Saprolite material, 0.6g/t for Sap-Rock (Transitional) material and 0.7g/t for Fresh material at nominated gold price US\$1,100/oz,and exchange rate 0.88 AUD:USD (A\$1,249/oz Au).

The estimate is based on the actual survey position for the end of September 2013 with Resource models depleted by the monthly forecast production for the remainder of CY2013.

The Competent Persons statement is incorporated in the JORC Code Statements below.

JORC (2012) Table 1 Parameters are set out on the IGO website at www.independencegroup.com.au.

JORC Code Statements - Tropicana Gold Project Mineral Resource and Ore Reserve estimates

The information in this report that relates to Mineral Resources estimates was based on information compiled by Mr Mark Kent, a full-time employee of AngloGold Ashanti Australia Limited, who is a member of the Australasian Institute of Mining and Metallurgy. Mr Kent has sufficient experience relevant to the type and style of mineral deposits under consideration, and to the activity which has been undertaken, to qualify as a Competent Person as defined in the 2012 edition of the JORC Code. Mr Kent consented to the release of the Mineral Resource estimate, based on the information in the form and context in which it appears in this report.

The information that relates to Ore Reserves estimates was based on information compiled by Dr Salih Ramazan, a full-time employee of AngloGold Ashanti Australia Limited, who is a member of the Australasian Institute of Mining and Metallurgy. Dr Ramazan has sufficient experience relevant to the type and style of mineral deposit under consideration, and to the activity which has been undertaken, to qualify as a Competent Person as defined in the 2012 edition of the JORC Code. Dr Ramazan has consented to the release of the Ore Reserve estimate, based on the information, in the form and context in which it appears in this report.

JORC Code Competent Person Statement for Exploration Results

The information in this presentation that relates to Exploration Results is based on information reviewed by Mark Doyle, a full-time employee of AngloGold Ashanti Australia Ltd, who has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mark Doyle consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.