

# Continuing to Deliver Shareholder Wealth by Mining & Exploration Success.

**Diggers & Dealers** 

August 2009

Chris Bonwick Managing Director



# FORWARD LOOKING STATEMENTS

Certain oral and written statements contained or incorporated by reference in this presentation, including information as to the future financial or operating performance of the Company and its projects, constitute forward-looking statements. All statement, other than statements of historical fact, are forward-looking statements. The words "believe", "expect", "anticipate", "contemplate", "target", "plan", "intend", "continue", "budget", "estimate", "may", "will", "schedule" and similar expressions identify forward-looking statements.

Forward-looking statements include, among other things, statements regarding targets, estimates and assumptions in respect of nickel, gold or other metal production and prices, operating costs and results, capital expenditures, mineral reserves and mineral resources and anticipated grades and recovery rates. Forward-looking statements are necessarily based upon a number of estimates and assumptions related to future business, economic, market, political, social and other conditions that, while considered reasonable by the Company, are inherently subject to significant uncertainties and contingencies. Many known and unknown factors could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements. Such factors include, but are not limited to: competition; mineral prices; ability to meet additional funding requirements; exploration, development and operating risks; uninsurable risks; uncertainties inherent in ore reserve and resource estimates; dependence on third party smelting facilities; environmental regulation and liability; currency risks; effects of inflation on results of operations; factors relating to title to properties; native title and aboriginal heritage issues; dependence on key personnel; and share price volatility and also include unanticipated and unusual events, many of which are beyond the Company's ability to control or predict.

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 statement 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.



# **COMPETENT PERSON STATEMENT**

Note: The information in this presentation that relates to Exploration Results, Mineral Resources or Ore Reserves (apart from the Tropicana mineral resources) is based on information compiled by Mr Christopher M Bonwick who is a full-time employee of the Company and is a member of the Australasian Institute of Mining and Metallurgy. Christopher Bonwick 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'. Christopher Bonwick consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Sign Off: The information in this presentation that relates to Tropicana Mineral Resources is based on information compiled by Mark Kent, who is a full-time employee of AngloGold Ashanti Limited, and a member of the AusIMM. Mark Kent has sufficient experience relative to the type and style of mineral deposit under consideration and to the activity which has been undertaken, to qualify as a Competent Person (or Recognised Mining Professional) as defined in the 2004 Edition of the JORC Code. Mark Kent consents to the release of the resource based on the information in the form and context in which it appears.



Capital Structure:	Market Cap.	GO es & 1.5M staff options (30/07/09): \$601M er (6 month average): 482,070
Substantial shareholders:	JP Morgan - NAB -	9.9M shares (8.8%) 6.8M shares (6.1%)
Financials:	FY 09 NPAT: \$13.4M (unaudited) Dividend: Dec 08 – 5c final, Mar 09 - 2c interim Cash & Net Receivables: \$137.6M Debt: Nil excluding environmental bonds	



Long Nickel Mine	2008/9 Cash Costs (C1+C2 payable): A\$3.85/lb Ni	
	2008/9 Revenue:	A\$7.83/lb Ni
	June 2008 Resources:	75,800t Ni @ 5.3% Ni
	June 2008 Reserves:	37,200t Ni @ 3.4% Ni

Extending mine life – New Moran discovery Jun 2009 resource: 456,000 t @ 7.1% Ni (32,400 t Ni)

Tropicana JVInitial Open Cut Resource:30% of 5.01M ozOpen Cut Mining Inventory:56Mt @ 2g/t Au (3.6M oz Au)(US\$900/oz Au, AUD: USD 0.85, Oil US\$103/barrel & 15%discount rate assumptions)

Significant along strike, underground & regional potential

<b>Regional Exploration</b>	8 high quality Ni, Au and Cu-Pb-Zn
	exploration projects.

Unique exploration targeting & technology



# **IGO HISTORY AND SHARE PRICE**

Monthly Average Share Price to 30.07.09





### LONG NICKEL MINE IGO's CURRENT CASH PRODUCING ASSET Purchase price = A\$15M IGO Profit to date = \$247.1M



1979-1999 WMC Production: 203,184t Ni

2002-2009 IGO Production: 55,295t Ni



# LONG NICKEL MINE (IGO 100%)

### **HISTORY:**

- Starting Reserve = 26,800Ni t
- Production to Jun 09 = 55,815Ni t
- June 2008 Resource = 75,800Ni t
- June 2008 Reserves = 37,200Ni t (Moran yet to be included)

### **GOALS**:

- Sustainable 9,000t Ni pa in bottom 3rd of world-wide nickel production cash costs.
  - New Reserves to increase mine life.





# **PRODUCTION FORECAST & HEDGING**

	FY 2008/9	2008/9	
	Guidance	Actual	
Production	8,400 - 8,800 Ni t	8,779 Ni t	
Grade	3.6% Ni	4.0% Ni	
Cash Costs (payable)	A\$4.50 - 4.65/lb Ni	A\$3.85/lb Ni	
	FY 2009/10		
	Guidance		
Production	8,000 - 8,400 Ni t		
- Grade	4.0% Ni		
<ul> <li>Cash Costs (payable)</li> </ul>	A\$4.20 - 4.40/lb Ni		
<ul> <li>Hedging</li> </ul>	4,800 Ni t @ A\$19,013 / t		
	Delivered @ 200Ni t / month to June 11		





**Relatively consistent cash costs** 



# **MINE GEOPHYSICS - TEM EQUIPMENT**



# High powered TEM transmitter

- 10 x more powerful than current systems.
- Doubles search radius detection up to 200m.
- Cleaner data.
- More accurate targeting.



#### Down hole TEM probe

- 200m search radius.
- 3D visualisation of massive NiS targets.





Curtin University of Technology

3 component underground TEM system



### LONG MINE NICKEL DEPOSITS & TARGETS LONGITUDINAL PROJECTION



### McLEAY – MINERALISATION OUTLINE







### FLASHBACK - DIGGERS 2008 LONG SOUTH TEM CONDUCTORS SLIDE





### **MORAN DISCOVERY**





# **MORAN CROSS-SECTION 547680N**





# LONG FLY THROUGH



# TROPICANA JV - NEW GOLD PROVINCE IGO'S SECOND POTENTIAL CASH GENERATOR

### AngloGold Ashanti – 70% (Manager) Independence Group – 30%





"New Gold Province under sand"





# **TROPICANA JV TENEMENTS**



# TROPICANA JV





### TROPICANA JV – JUN 09 GLOBAL RESOURCE





### TROPICANA JV – JUN 09 PRE-FEASIBILITY OPEN CUT DESIGN





### TROPICANA JV - NEW INTERCEPTS OUTSIDE JUN 09 OPEN CUT DESIGN





### HIGH GRADE IN-PIT INTERCEPTS SUGGEST UNDERGROUND POTENTIAL





### TROPICANA PRE-FEASIBILITY OUTCOME

#### **Open-cut Resource:** 75.3 Mt @ 2.07g/t Au (5.01 M oz Au) at Jul 09

- Mining Inventory:56 Mt @ 2.0g/t Au (3.6 M oz Au, 6.2:1 SR)<br/>(US\$900/oz Au, AUD: USD 0.85, US\$103/barrel oil&<br/>15% discount rate assumptions)
- Mill: 6 Mt p/a (plant & infrastructure capital A\$500-540 M includes 15% contingency)
- Metallurgy: Free milling 92% recovery
- Gold Production: 330,000 410,000 oz Au pa (recovered) over 8-10 years
- Cash Costs:Owner operator option diesel A\$590-610/oz Au<br/>Contract mining option diesel A\$690-710/oz Au
- Water: 900 Gigalitre aquifer located
- BFS Completion: June 2010



### TROPICANA MINE PROPOSED PLANT LAYOUT





## **TROPICANA FLY THROUGH**







### Discovering new, high profit mines by -

- Technical Innovation
  - Geophysical tools to see "under cover"
  - New targeting techniques
  - Exclusive access to new data bases
- Unlocking value in established and emerging belts
- First mover advantage in "frontier" belts
  - Eg. Tropicana
- Strong in-house geophysical capability
- Small, well resourced, highly motivated exploration team
- Use of undervalued large company databases now owned by IGO









# **NICKEL EXPLORATION GEOPHYSICS**



High powered TEM transmitter truck developed in conjunction with Curtin University



Squid TEM sensor Photo courtesy of Anglo American



### **DUKETON JV LOCATION**





### DUKETON JV – BULGE PROSPECT NICKEL GEOCHEM ANOMALIES





### DUKETON JV – BULGE NICKEL PROSPECT (IGO earning 70%)









# **KARLAWINDA PROJECT (IGO – 100%)**



### KARLAWINDA - FRANCOPAN PROSPECT CROSS-SECTION







### KARLAWINDA – BIBRA PROSPECT CROSS-SECTION





# **NEW 100% IGO DATA BASE**

- 103,000 geochemical samples analysed.
- 189,000 geochemical samples unanalysed.
- 2,278 samples reporting
- visible gold.
- 2,025 geophysical surveys.
- Estimated cost to replicate data base >\$A500M.
- No buy-back or royalties





To improve shareholder returns by becoming a highly profitable, multi commodity Australian mining company

Focus on:

- Low cash costs
- Mine longevity
- Innovative exploration
- Strong balance sheet