#### **GUNSON RESOURCES LTD**



David Harley Mining 2005

**27**<sup>th</sup> **October 2005** 

#### **Corporate Summary**

• Shares 76.8M

Unlisted Options
 1.3M (20c)

• Cash \$1.4M

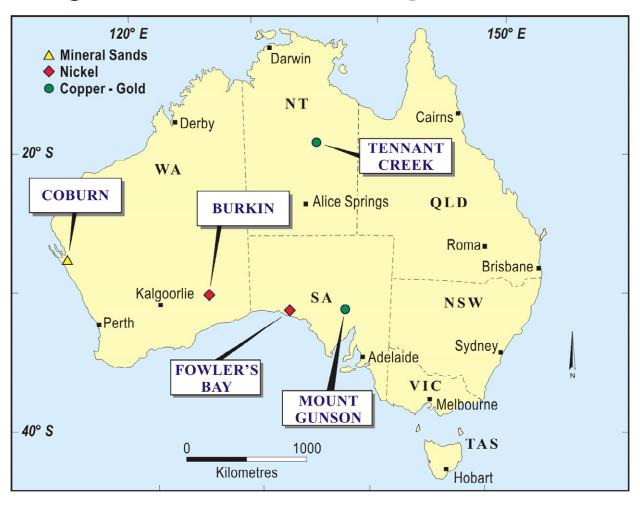
• Share Price \$0.24

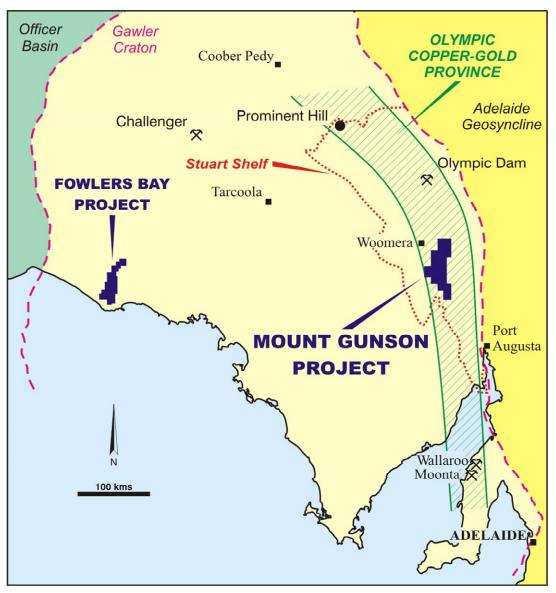
• Market Cap. \$18.4M

Substantial Shareholders

**LUCRF** 5.4%

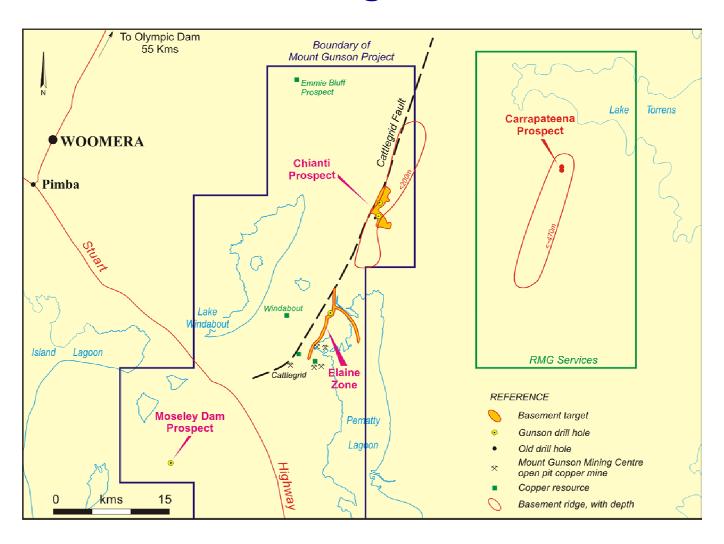
#### **Project Location Map**

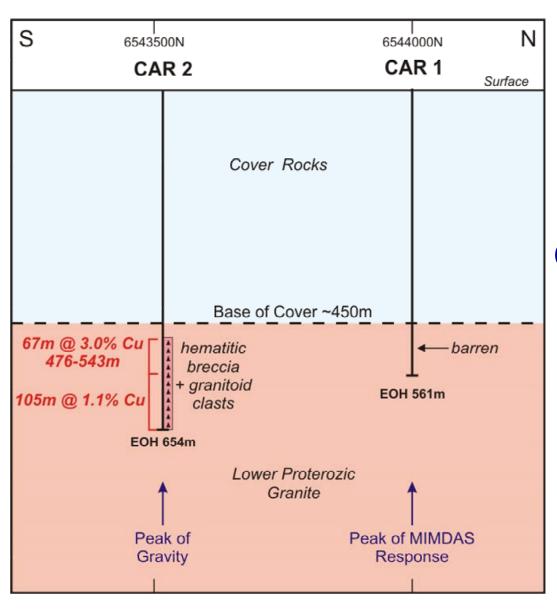




# South Australian Copper Belt

#### **Mount Gunson Target Areas**

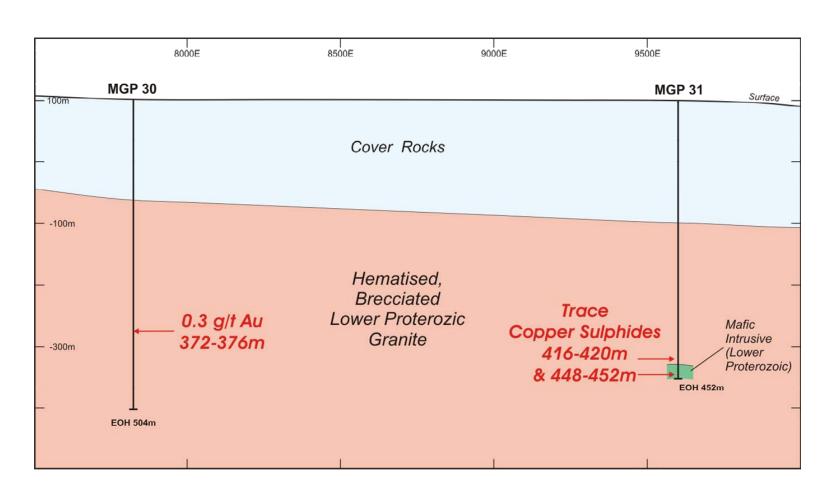


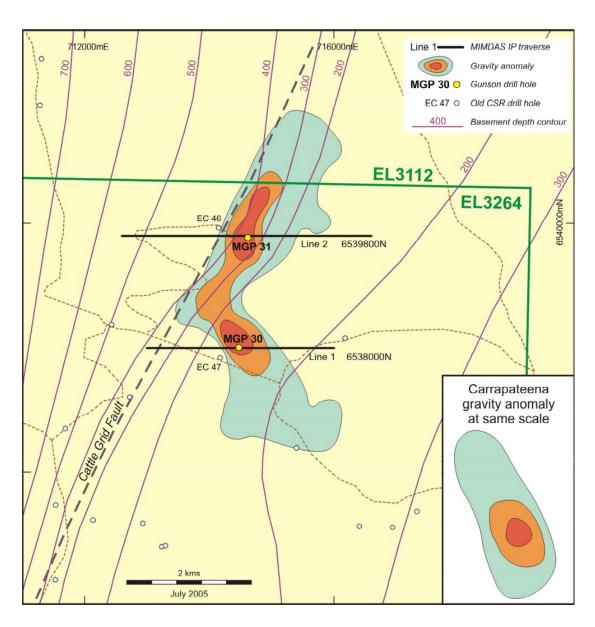


## Carrapateena Prospect Cross Section

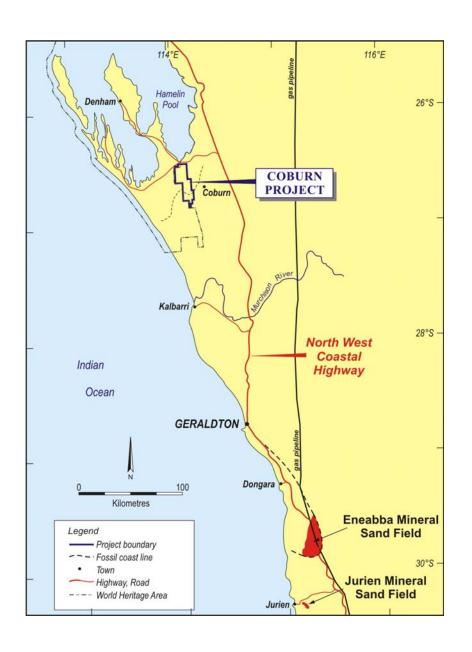
(looking west)

### Chianti Prospect – Cross Section (looking west)





#### Chianti Prospect

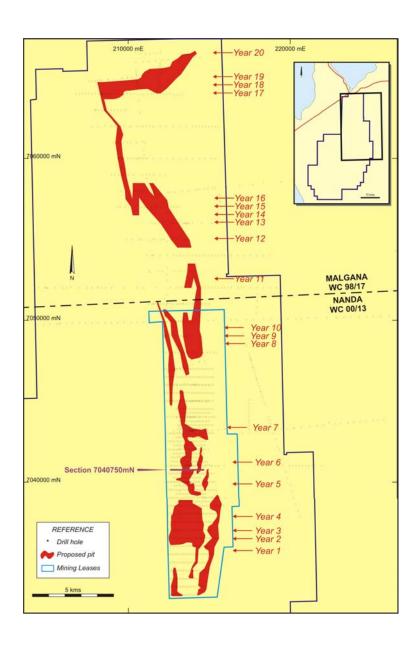


## Coburn – Regional Setting



# Coburn Amy Zone Mine





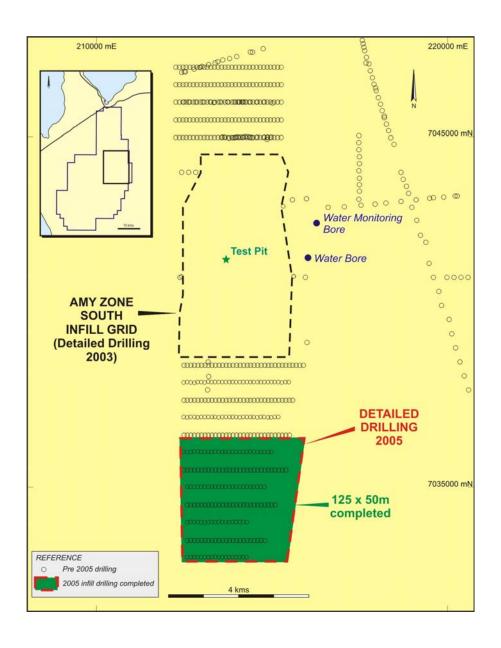
#### Amy Zone Resource and Amy South

### Coburn Reserves/PM Resources Dec 2004

Category	Million Tonnes	Average Grade HM %	Cut-off Grade HM %	Strip Ratio
Probable*	250	1.1	0.8	0.3 : 1
PM Resource	370	1.1	8.0	0.6 : 1
Total	620	1.1	8.0	

PM = Potentially Mineable

\* Amy South

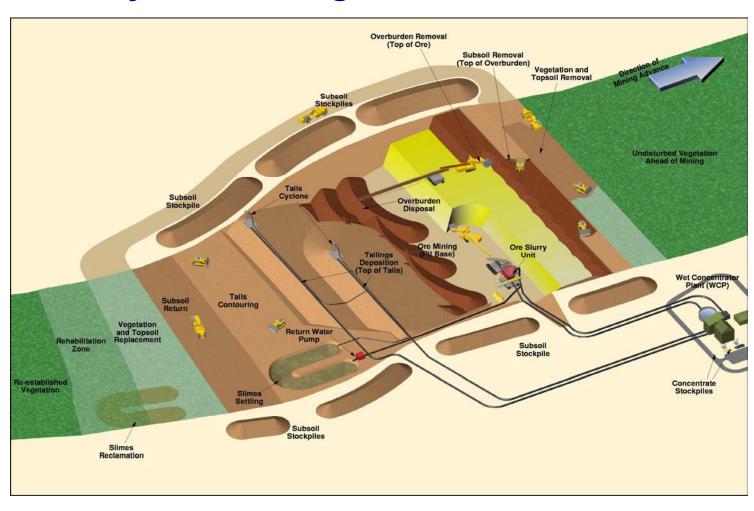


## Amy South Drilling Program 2005





#### **Amy Zone Mining Method**



## Coburn Estimated Annual Production and Prices

Product	Years 1 – 2 (tonnes)	Year 3 onward (tonnes)	Price \$US/Tonne	% of Revenue
Zircon	30,000	60,000	620#	63
Ilmenite	60,000	120,000	85	18
HiTi	15,000	30,000	350	19

# Zircon now \$US 750.

#### **Greenfields Development Projects**

<b>Under Construction</b>	TiO <sub>2</sub> UNITS	* ZIRCON *	Rank	TiO <sub>2</sub> : ZIRCON
Douglas (Iluka)	150 #	100	1	3.5+
Moma (Kenmare)	354	52		6.8
Pooncarrie (Bemax)	170	32		5.3
Completed BFS				
Mindarie (Aust. Zircon)	71	43		1.6
Corridor (WMC)	330	30		11.0
Coburn (Gunson)	99	60	3	1.6
Kwale (Tiomin)	230	37		6.2
<u>In BFS Stage</u>				
Tamil Nadu (Tata)	250	20		12.5
Senegal (Min Deposits)	11 #	75	2	4.0+
	Australia	Africa Inc	dia	

<sup>\* ,000</sup> tonnes per annum # Ilmenite excluded + Ilmenite included

#### Coburn Project – BFS 2004 Initial Capital Costs (\$A million)

	BFS	Potential Saving (Resourceinvest 2005)
Site Infrastructure	14.0	
Concentrator	45.7	30%
Pre strip	0.7	
MSP	*	
Bucket Wheel Excavators (2)	11.2	25%
Total Initial Capital	71.6	55.1

<sup>\* \$</sup>A86.3 million cost of MSP not included in the BFS 2004 financial evaluation

### Coburn Project – BFS Capital Model (Resourceinvest – April 2005)#

Operating Cash Surplus \$433 M

Capital Cost \$128.5 M \*

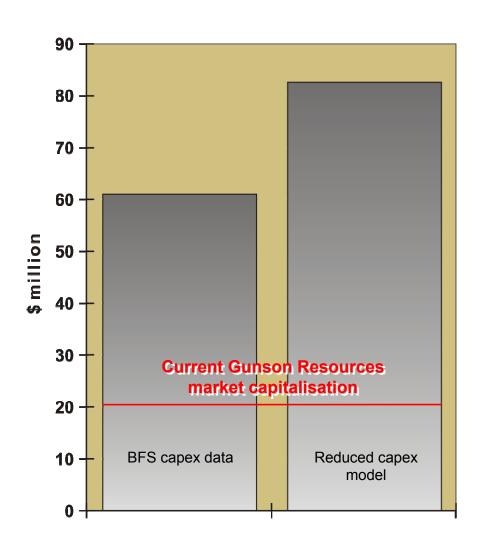
IRR after tax 19%

NPV (10%) \$61 M

Exchange rate \$0.75

#no gearing

\* Reduced Capex Model \$95.5 M



## Coburn Project Valuation (Resourceinvest – April 2005)

## Coburn Concentrate Mineralogy

MAGNETIC (55 wt%) NON MAGNETIC (45 wt%)

89% Ilmenite 52% Zircon

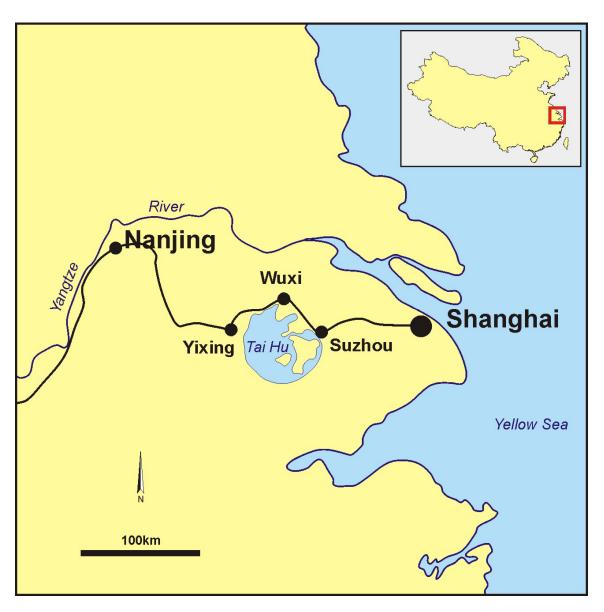
10% Leucoxene 15% Ilmenite

1% Zircon 14% Rutile

0% Waste 10% Leucoxene

**9% Waste \*** 

<sup>\*</sup> Overall 4% waste

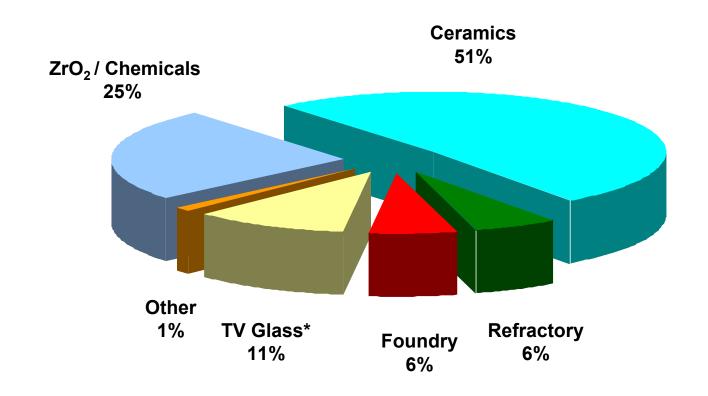


#### Shanghai District, China





#### **Zircon Market Segments (2004)**



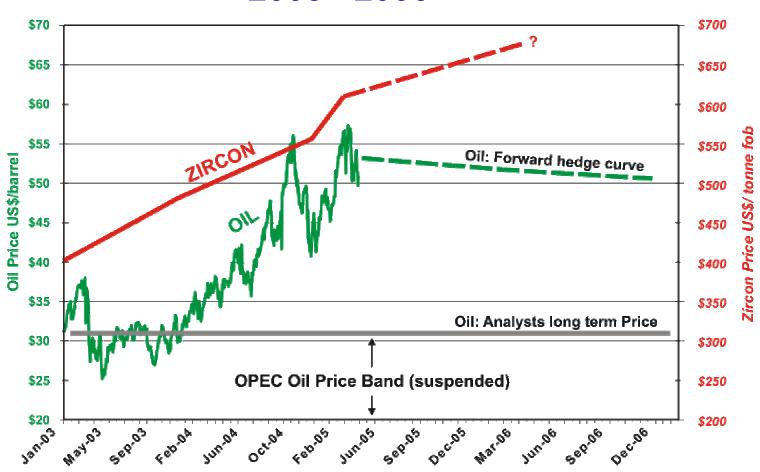
Source: Astron,TZMI \* Cathode-ray tube

#### Zircon Market – Segment Growth (1999-2004)

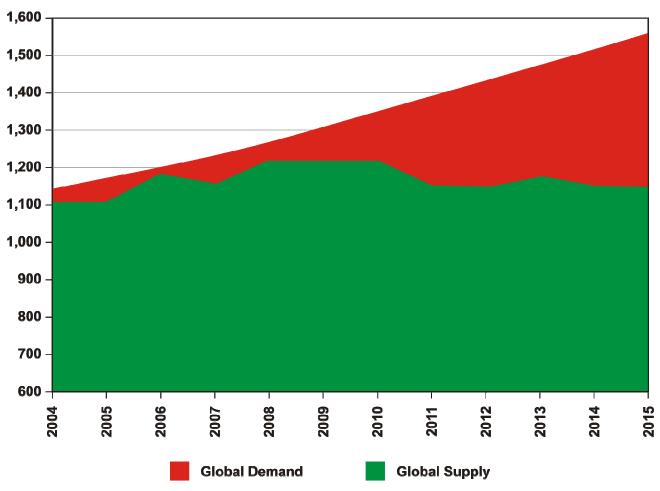
	World Growth %	% due to China
ZrO <sub>2</sub> /Chemicals	66.7	90.7
Ceramics	32.7	40.3
Refractories	1.9	-
Foundry	-3.6	-
TV Glass*	32.4	83.3

<sup>\*</sup> Cathode-ray tube

## Oil and Zircon price curves 2003 - 2006

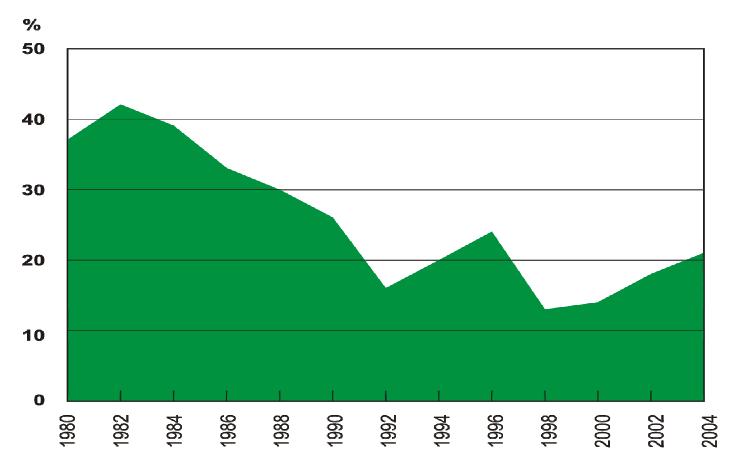


#### **Zircon Market Outlook**



Source: Iluka Resources, 2005

## **Eneabba – % of World Zircon Production 1980-2004**



Source: TZMI Mineral Sands Report, March 2005

#### **Coburn Project Schedule 2005 - 2007**

	2005			20	2007		
	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Public Review Period							
Proponent Response							
EPA Report to Minister							
Appeals Period							
Minister's Decision							
Offtake Contracts							
Equipment Supply Contracts							
Construction Contracts							
Lending Offers							
Financial Closure							
Construction			<b>4</b>			-	
Commissioning							<b>↔</b>

#### **Conclusions**

- Coburn on track for first production in first quarter, 2007.
- Permitting and financing to be completed first quarter, 2006.
- Coburn is the third largest zircon development project in the world.
- Drilling for copper at Mount Gunson near end November.