

Targeting world-class IOCG, REE and Gold Systems in Australia

March 2012 ASX: GBZ, GBZOA



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# **Corporate Snapshot**



#### Capital Structure (ASX: GBZ)

Ordinary shares	221 M
Listed 20 cent Options Expiring 30/06/13	129 M
Market Capitalisation @ 11c	A\$24.3m
Total 1300 shareholders	

#### Board of Directors

PeterThompson Chairman & Managing Director Neil Norris Exploration Director Cameron Switzer Non-Executive Director Sunny Loh Non-Executive Director

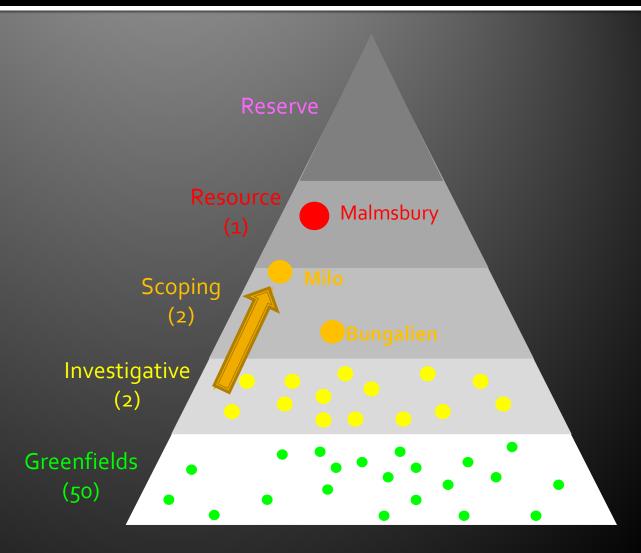
Management hold 12% issued capital

Top 20 hold 42%

No Shares 'ooo	%			
37,298	16.8			
11,067	5.0			
6,269	2.8			
4,556	2.1			
No Options '000	%			
17,800	14.0			
13,000	10.5			
10,000	8.o			
	37,298 11,067 6,269 4,556 No Options '000 17,800 13,000			

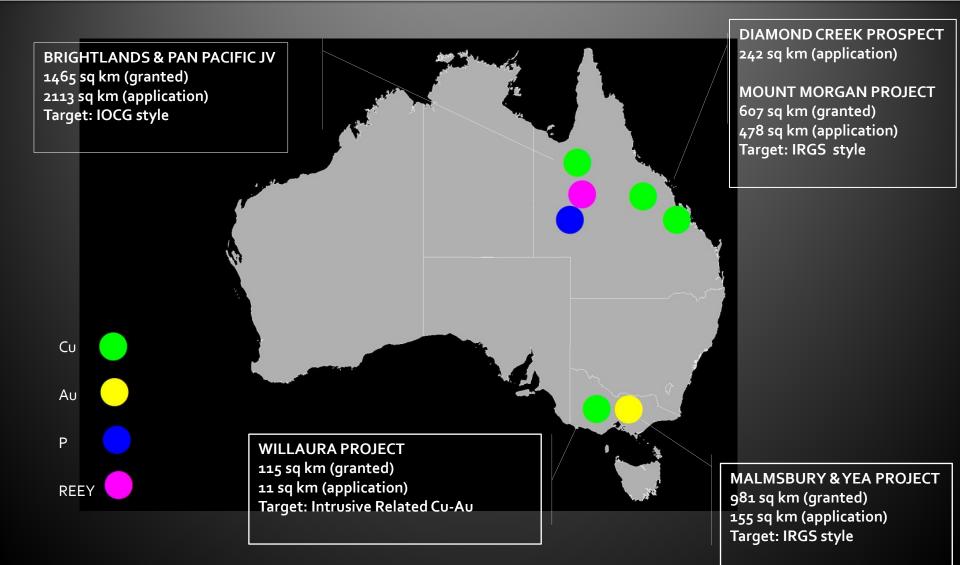
# Value in New Mineral Discoveries

- GBM is an exploration company - Strategy targeting large mineral systems
- > Exploration Diversity-
- copper
- base metals
- uranium
- gold
- phosphate
- rare earths
- Achieved New discoveries in gold, copper, rare earths and phosphate.
- Multiple discovery potential in its portfolio



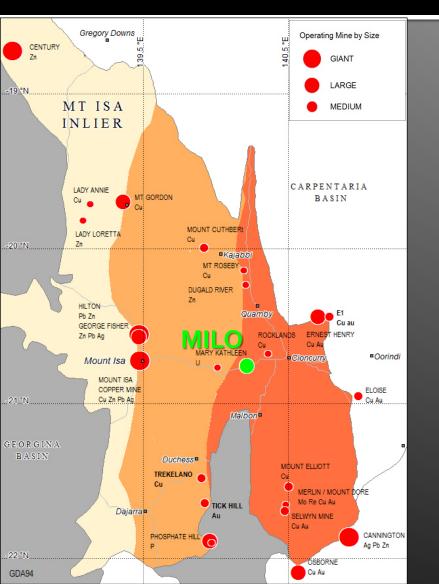
# **Project Overview**





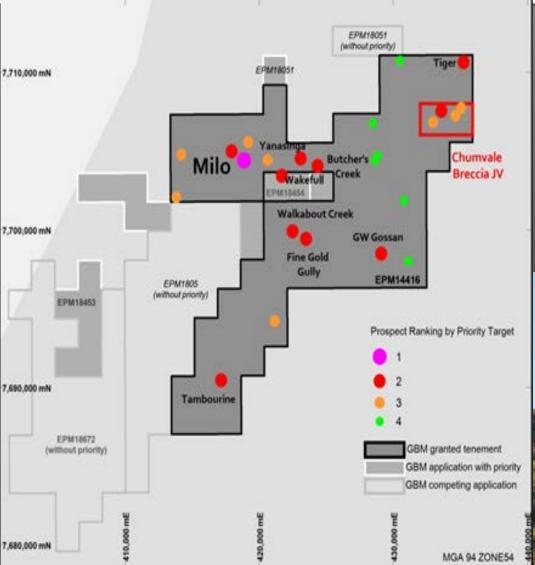
### Mount Isa Region 'A world class mineral terrain'





- Part of the prolific NW
  Queensland Mineral
  Province.
- Focus on large IOCG style systems.
- Milo is a large IOCG REEY system. 100% GBM owned.
- GBM holds multiple IOCG targets in Cloncurry Region. 50 Targets in Brightlands area alone.

# Brightlands Tenement & Targets



Milo -Flagship GBM project

Large breccia style IOCG (Cu-Au-Mo-U)

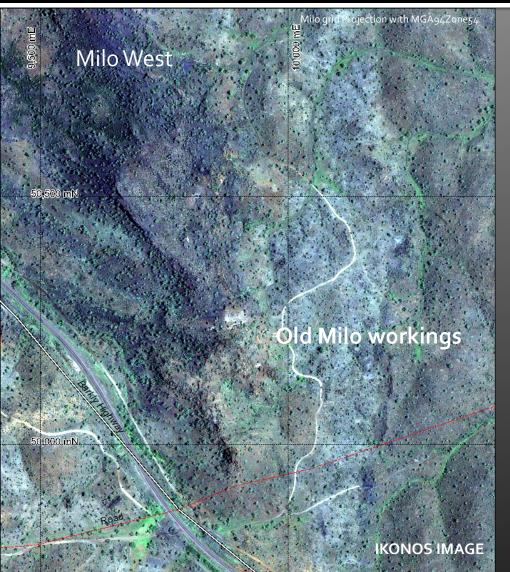
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Widespread REEY mineralisation halo

#### Scoping study in progress

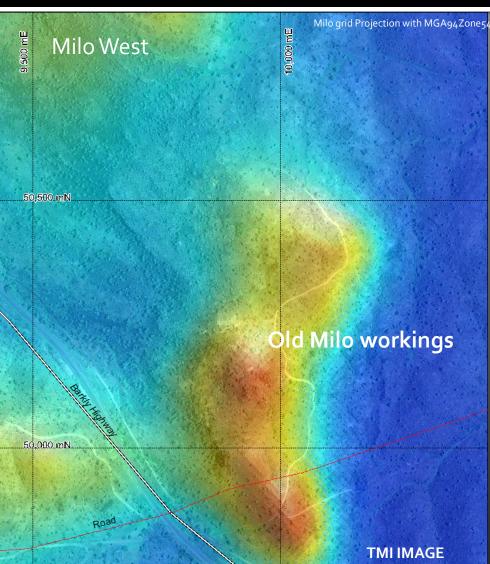






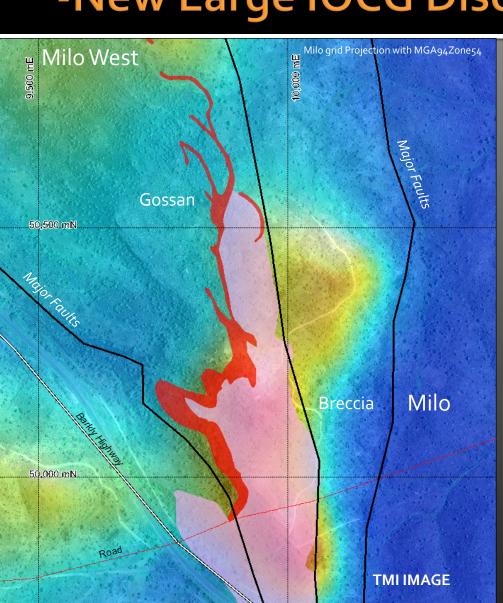
- Limited previous drilling in 1950's and 1970's-shallow.
- Historic mining limited to small adit (U prospect) and exploration shaft.
- Located adjacent to Barkly Highway and power line.
- Initial focus on magnetic anomaly associated with old workings.
- > Coincident gossan and breccia mapped.
- > Extensive, open Cu & La soil anomaly.
- Maiden REEY Inferred Resource defined, open north and south. Cu-Au-Ag-Mo-U modeling in progress.





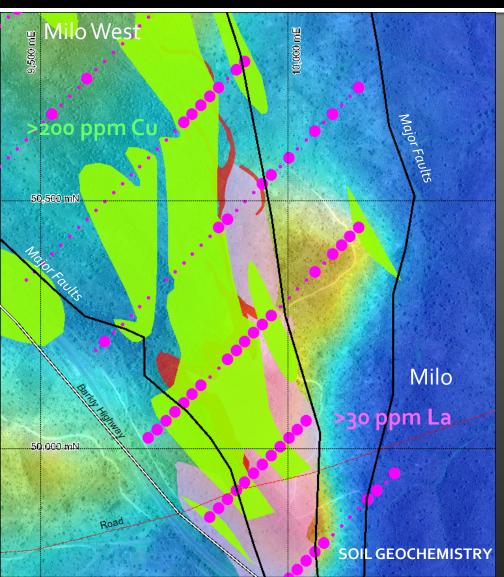
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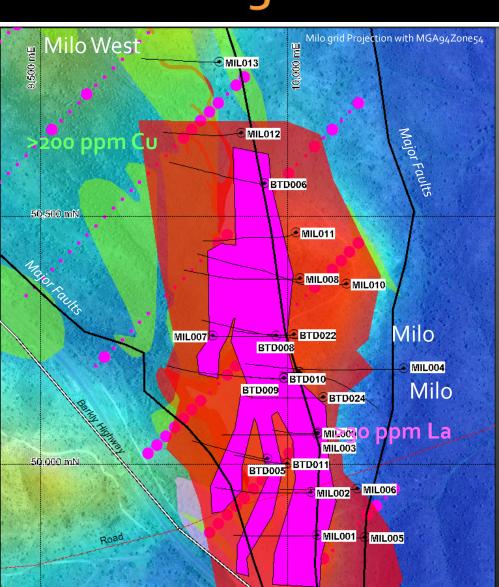
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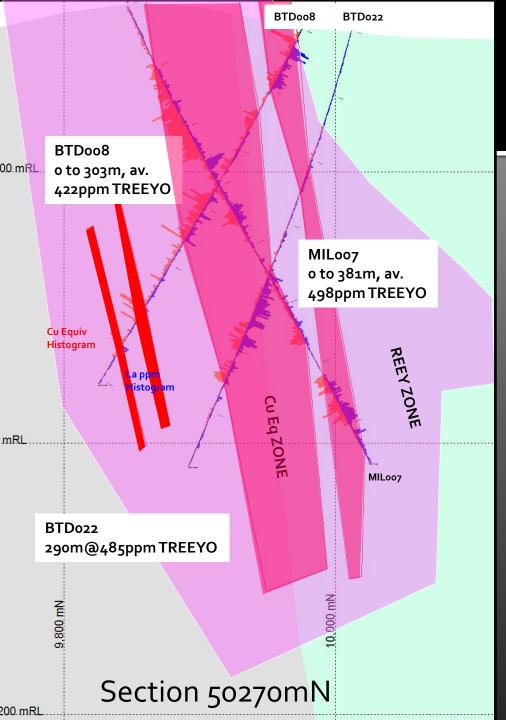


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- > Extensive, open Cu & La soil anomaly.
- Maiden REEY Inferred Resource definedbroad, open north and south. Current Drill holes MIL011-MIL013 not included. Cu-Au-Ag-Mo-U modeling in progress.



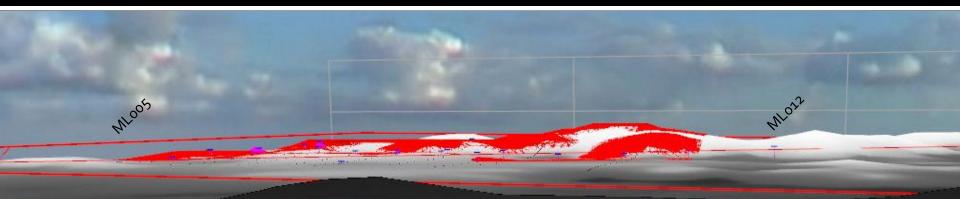
Broad TREEY zone, over 200 metres in places.

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- Dominate elements Neodymium,
  Yttrium, Dysprosium and Lanthanum.
- Large Breccia Hosted Poly Metallic IOCG REEY System. Valuable metals Cu Au Ag Co Mo U.
- Vertical to steep, east dipping mineralisation.

### **Milo Resource**





### **Looking West**

- Maiden Inferred Resource103Mt containing 80,000t TREEYO
  - Significant Rare Earth Element discovery in the Milo mineralised IOCG systempotential huge value bonus.
    - REEY zone modelled over 1km
  - 103 million tonnes containing an estimated 80,000 tonnes of TREEYO at an average grade of 760ppm TREEYO based on a 400ppm cut-off grade.

# **Milo Resource**





M1005

200mRL

N11013

0mRL

-200mRL

Open North, South and to depth. REEY zone modelled over 1km Refer ASX announcement - 29 February 2012



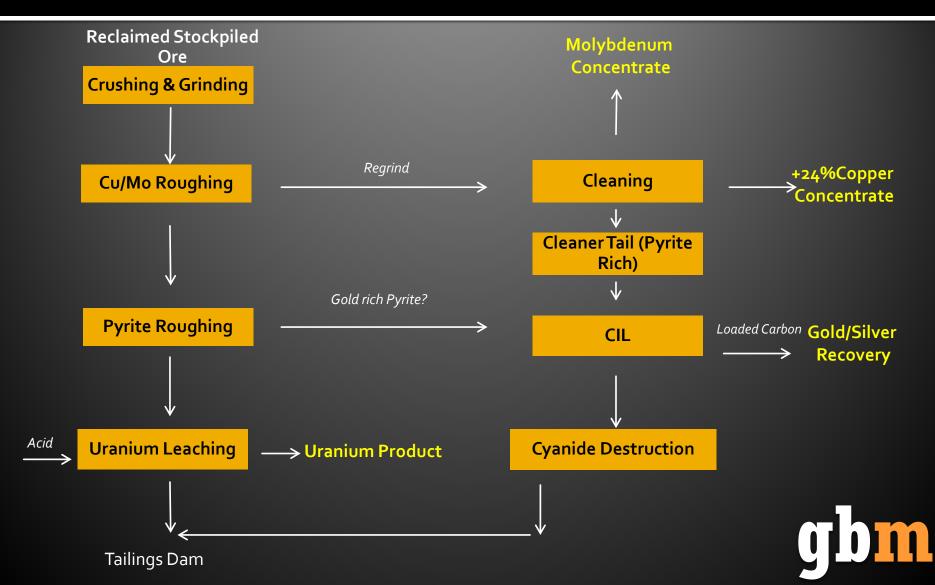
# **Initial Metallurgical Testing**



- Petrography indicates REEY contained in apatite and high grade REE carbonate minerals
- Initial float testing demonstrated high apatite recovery containing approximately 30% of TREEY
- Initial flotation tests demonstrate potential to produce saleable +24% copper concentrate
- Metallurgical test-work is ongoing in Scoping Study

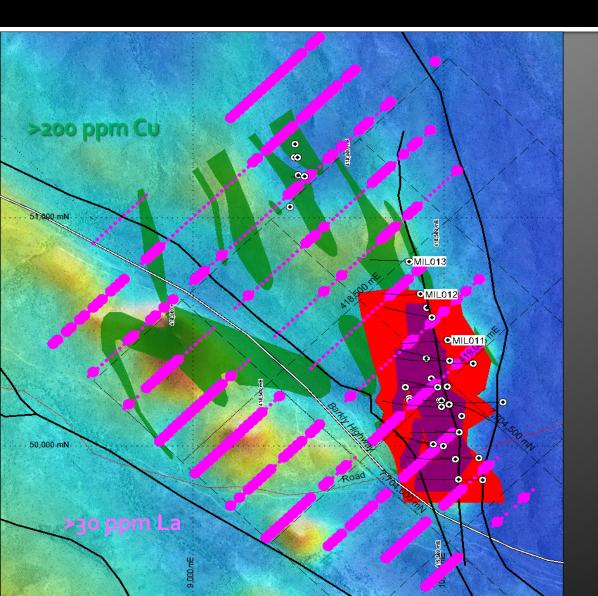
### CU EQ Concept Process Flow Chart





# Milo .. How BIG is it?

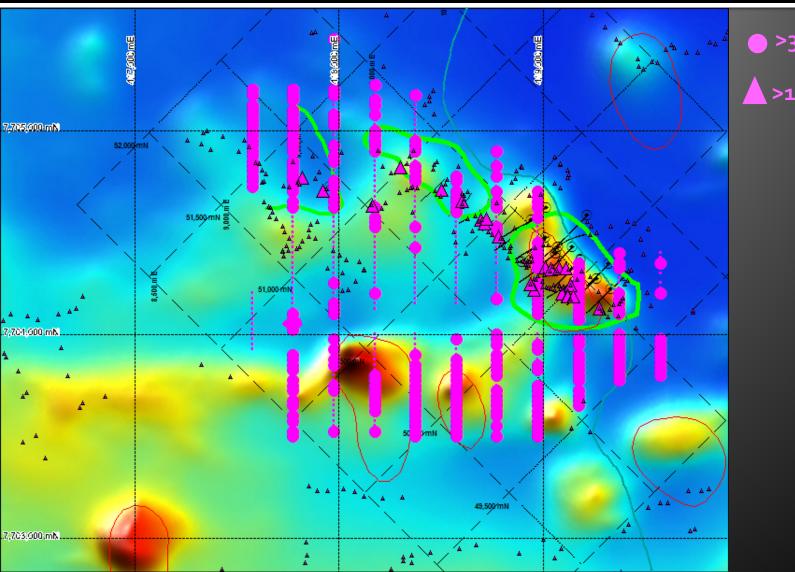




- Exciting mineralised system- many targets
- Early in exploration phase
- Only 7,500 m drilled on a 2km mineralised system

# Milo Surrounds Untested (1)





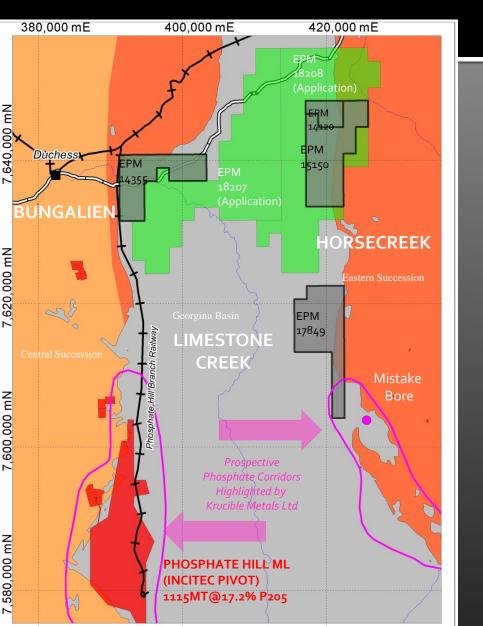
>30 ppm La Soils >100 ppm La Rock

# Milo Scoping Study



- Key Consultants appointed.
- Maiden REEY Inferred Resource completed.
- CuEQ Resource in progress.
- Metallurgical test work on the rare earth elements commenced.
- Drilling to test extensions of the Milo deposit will continue with ongoing modelling of the deposit.
- Continuing positive results will provide the basis to commence a Preliminary Feasibility study in June 2012.

# **Phosphate Project**

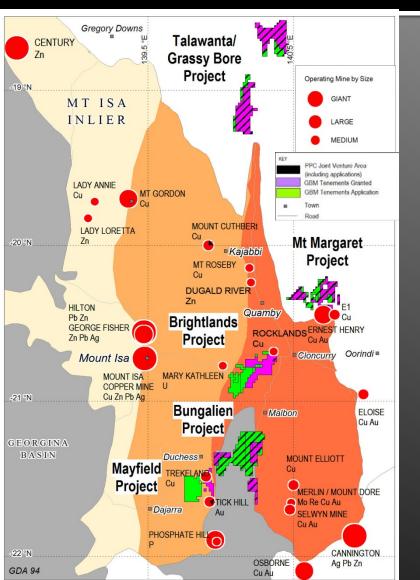


- Projects contained within the phosphate rich Beetle Creek Formation at shallow depth.
- Located approximately 50km north of Australia's only operating Phosphate Mine, Phosphate Hill (1.1Bt @ 17% P<sub>2</sub>O<sub>5</sub>\*1).
- Phosphate values up to 26% P<sub>2</sub>O<sub>5</sub>.
- Rail and road links cross project.

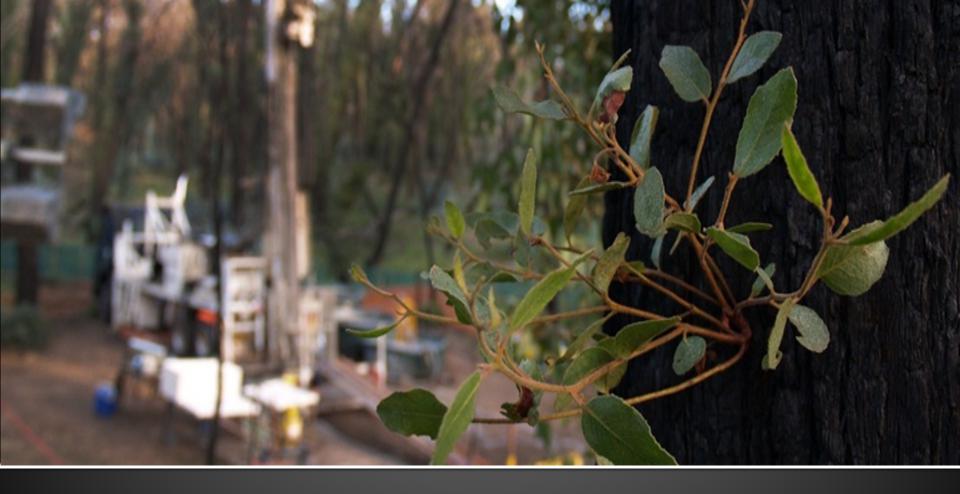
#### Plan is to:

- GBM's 35% into ASX Listed Coy-Swift Resources Ltd
- GBM realises \$3.3m on Listing
- Swift Resources to lodge IPO within
  2 months to raise \$5m.

# Pan Pacific and Mitsui IOCG JV



- Partner's Interest Pan Pacific Copper 75% and Mitsui & Co 25%
- Major global companies
- 'Copper under cover'. Big targets, require big budgets
- Spend \$15m over 6 years to earn 51%
- Spend \$1.03m for each 1% increment up to \$40m
- GBM retains a 10% Free Carried Interest to Bankable Feasibility

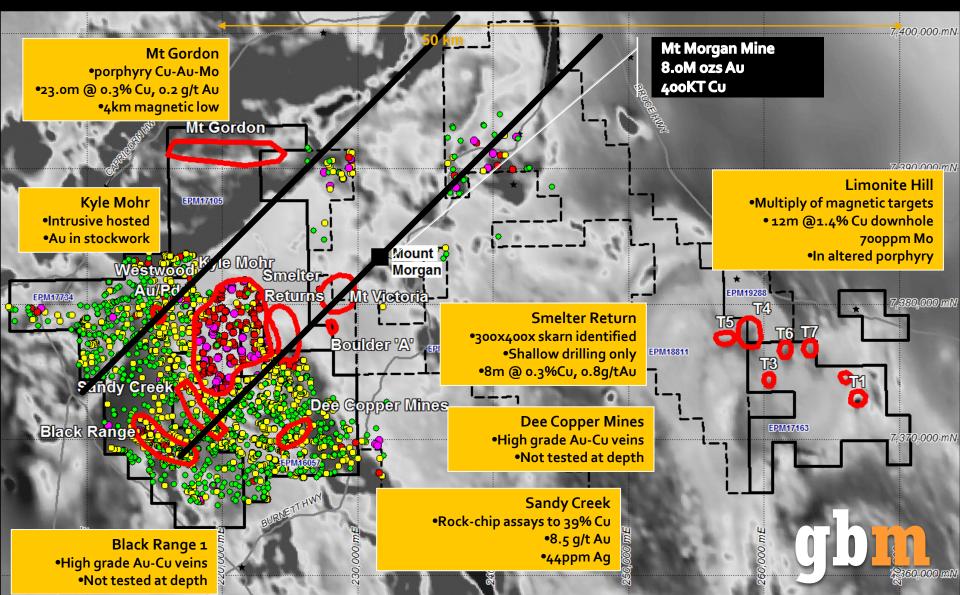


# **Gold Projects**



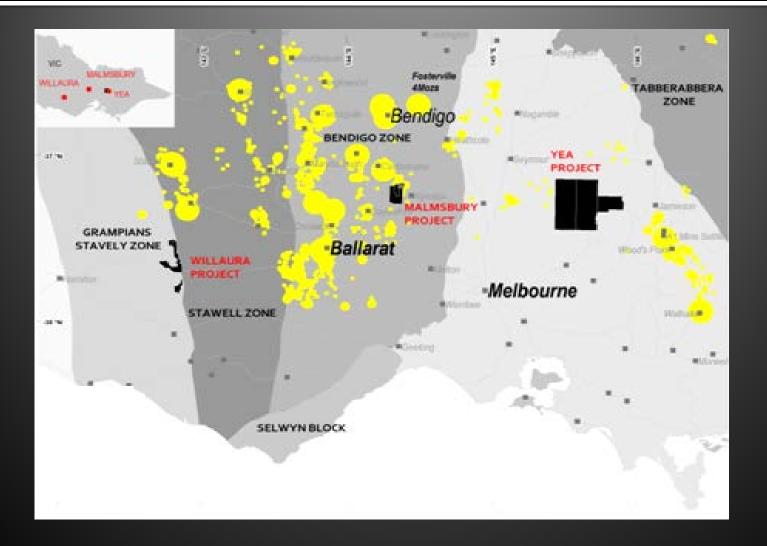
### Mt Morgan Gold Project





## **VIC Gold Location Plan**





# **Malmsbury Gold Project**





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Current inferred resource on this prospect is 104,000 ounces. Deposit is open at strike and depth.

Drummond North 91,000 oz's historic hardrock production. Gold mineralisation over 2 km area.

Image © 2008 GeoEye

Image © 2008 DigitalGlobe elev 473 m

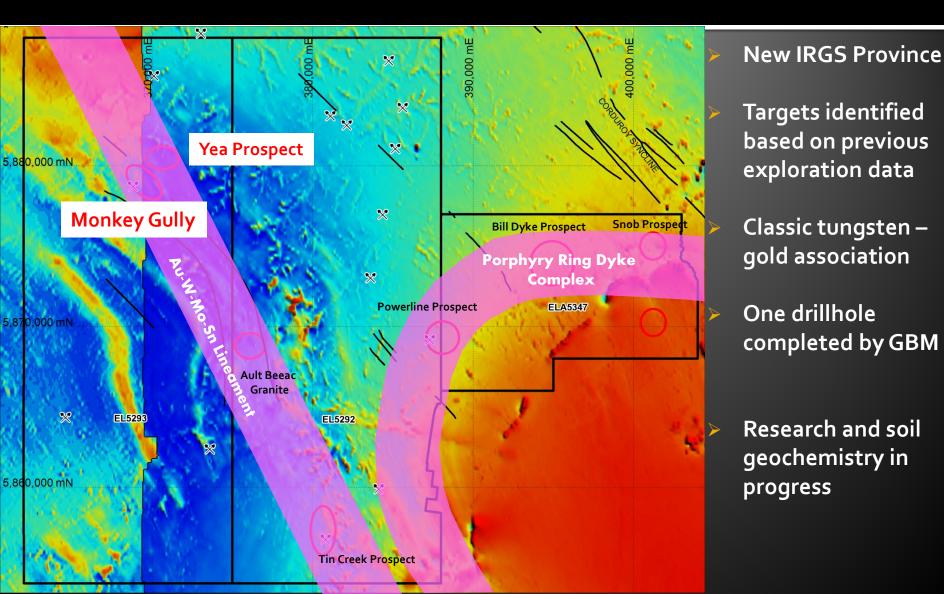


Eye alt 1.27 km

Queen's Birthday

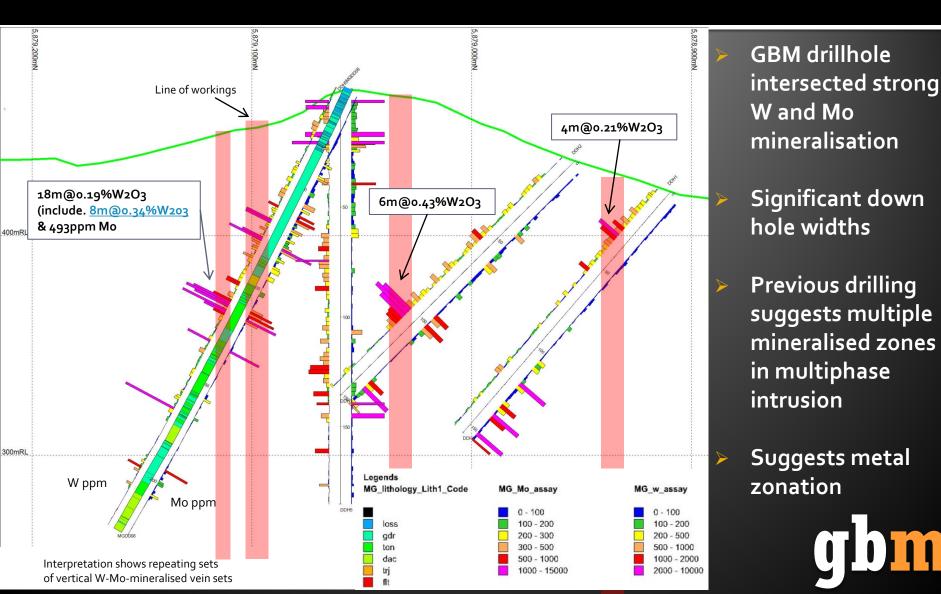






# **Monkey Gully**





# **Exploration Activities**



2012 **Brightlands IOCG Project** Scoping Study & **Preliminary Feasibility** Milo IOCG & REE Discovery **Other prospects Field work** 

Pan Pacific /Mitsui Farm in Agreement

**Gold Assets** 

**Drilling & geophysics** 

Drilling, soil geochemistry & geophysics

# **Growth Potential**



- High potential for Milo to be develop as a large economic rare earth and poly-metallic discovery at Brightlands. Rare earths potential value- under write of Milo's development.
- High potential for further discovery on JV IOCG ground - 4 projects areas being advanced this year.
- Develop potential for GBM's gold assets at Malmsbury and Mt Morgan. Malmsbury has Inferred Resource – 104K ounces.
- Unique position to have the global strength of Pan Pacific Copper and Mitsui & Co as JV partners and funding for 100% of GBM's other Mt Isa Projects.
- Swift Resources' phosphate float to unlock value and return to GBM shareholders.





# ASX: GBZ www.gbmr.com.au

# **Explanatory Notes**



- The information in this report that relates to Exploration Results and Mineral Resources (Malmsbury) is based on information compiled by Neil Norris, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Norris is a full-time employee of the company. Mr Norris 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'. Mr Norris consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.
- The information in this report that relates to Mineral Resources (Milo) is based on information compiled by Kerrin Allwood, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Allwood is a full-time employee of Geomodelling Pty Ltd. Mr Allwood 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'. Mr Norris consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

					LREED					HREEY					
							*			*		*	*		
	cutoff (TREEYO)	tonnes	TREEYO (ppm, t)	P2O5 (96, t)	CeO <sub>s</sub> (ppm,t)	La <sub>2</sub> O <sub>3</sub> (ppm, t)	Nd <sub>2</sub> O <sub>3</sub> (ppm,t)	Pr <sub>2</sub> O <sub>3</sub> (ppm, t)	Sm <sub>2</sub> O <sub>8</sub> (ppm,t)	Eu <sub>2</sub> O <sub>3</sub> (ppm, t)	Gd <sub>2</sub> O <sub>3</sub> (ppm,t)	Y <sub>2</sub> O <sub>8</sub> (ppm, t)	DyyOs (opm, t)	EryO <sub>s</sub> (ppm, t)	Others (ppm, t)
Grades			760	0.85	340	180	95	30	14	5	12	57	9	5	10
Tonnages	400	103,000,000	82,500	873,000	34,600	18,600	9,800	3,080	1,460	520	1,190	5,900	970	550	1,080

Table: total tonnages and grades of TREEYO contained within the Milo Inferred Resource. (\* designates elements assessed as being in critical supply by the US Dept. of Energy, Dec 2011: Critical Materials Strategy, P4.)