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Jacob Rebek

**ASX Symbol: SOC** 

#### **Qualifying Statements**

The information in this Report that relates to Exploration Information is based on information compiled by Michael Leu who is a member of The Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists.

Mr Leu is a qualified geologist and is a director of Sovereign Gold Company Limited.

Mr Leu 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 Resources. Mr Leu consents to the inclusion in this announcement of the Exploration Information in the form and context in which it appears.

## Drilling to Confirm Mt Adrah Hobbs Gold Deposit Conceptual Exploration Target

- Conceptual Exploration Target at Hobbs Gold Pipe 1 Deposit of 3-4 million ounces to 1,000m depth
- All regulatory approvals in place
- Drilling is scheduled to start ~24 June 2013
- Supported by existing Inferred JORC Compliant Resource of 239,000 oz and completed deeper drilling
- Under a multiple pipe scenario the Conceptual Exploration Target is significantly raised to 25-40Moz
- Proximal to and in the same geological and structural environment as other world-class deposits, Cadia-Ridgeway (60Moz gold equiv.), Endeavour (8 Moz gold equiv.) and Cowal (2.8 Moz gold equiv.)

On 11 April 2013, Sovereign Gold advised an exploration target with respect to the Gossan Hill Mt Adrah Hobbs Deposit (Hobbs Deposit). We note that the Exploration Target is not an extrapolation of the existing resource and is conceptual in nature.

#### Following further analyses and review, the Initial Exploration Target

for the Hobbs Deposit Pipe 1 has increased to 3-4 million ounces gold with a grade range 1.13-1.40 g/t contained in 65-90 million tonnes to 1,000 metres.

A Conceptual Exploration Target for the multiple pipe Mt Adrah System including deep bulk target source has been determined to be 25-40 million ounces gold with a grade range 1.13-1.40 g/t contained in 500-770 million tonnes to 2,500 metres.

The attached report presents background analysis and supporting data used in determining the Conceptual Exploration Targets.

#### **Exploration Targets:**

The potential quantity and grade of exploration targets is conceptual in nature. There has been insufficient exploration to define a Mineral Resource (other than the 239k Inferred JORC resource previously declared, ASX: 13 March 2013) and it is uncertain if further exploration will result in the determination of a Mineral Resource.

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## MT ADRAH HOBBS GOLD DEPOSIT -

239,000oz gold JORC resource

Pipe 1 Conceptual Target: 3-4Moz

Multiple Pipe Conceptual Target: 25-40Moz

**June 2013** 



### **GOSSAN HILL GOLD LIMITED**

ACN 147 329 833 - a subsidiary of Sovereign Gold Company Limited

# **Conceptual Exploration Targets**

#### **Pipe 1 Conceptual Target**

3-4 million ounces gold with a grade range 1.13–1.40 g/t contained in 65-90 million tonnes to 1,000 metres.

#### **Multiple Pipe Conceptual Target**

25-40 million ounces gold with a grade range 1.13-1.40 g/t contained in 500-770 million tonnes to 2,500 metres.

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## **Disclaimer**

#### Gossan Hill Gold Project

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#### **Exploration Targets**

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#### **Qualifying Statements**

The information in this Presentation that relates to Exploration Information is based on information compiled by Michael Leu a Member of The Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists together with Dr Andrew White, a Fellow of the Australian Institute of Geoscientists and Jacob Rebek and Dr Kris Butera, Members of the Australian Institute of Geoscientists

Mr Leu and Jacob Rebek are qualified geologists and are directors of Sovereign Gold Company Limited.

Dr White is a director of Gossan Hill Gold Limited.

Dr Kris Butera is CEO and director Gossan Hill Gold.

Mr Leu, Jacob Rebek, Dr White and Dr Butera have sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity, which they are undertaking to qualify as Competent Persons as defined in the 2004 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Resources. Mr Leu consents to the inclusion in this presentation of the Exploration Information in the form and context in which it appears.

# Gold explorer positioned for rapid JORC upgrade and near term production

prospects

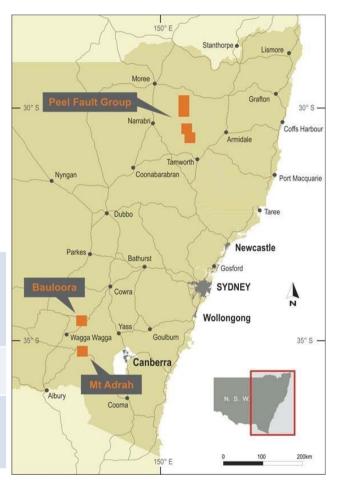
Gossan Hill Gold Pty Limited ("Gossan")

- 3 quality project areas within 8 ELs (954km<sup>2</sup>) in NSW
- Current Inferred JORC Resource of 239,000 oz @ 1.13g/t
- Conceptual target of 25-40Moz Mt Adrah Gold Deposit

#### **Project overview\***

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<b>Mt Adrah</b> ELs 6372, 7844 (390km²)	<ul> <li>Inferred JORC Compliant Resource: 239,000 oz @ 1.13g/t</li> <li>Target 1 Pipe 1 (Hobbs Gold Deposit): 3-4 million oz gold to depth 1,000 m.</li> <li>Target 2 (Multiple Hobbs-like Deposits): world class multimillion 25 – 40Moz potential</li> </ul>
Bauloora EL 7861 (90km²)	<u>Target</u> : high-grade gold/silver Pajingo analogue.
<b>Peel Fault</b> ELs 6648, 7863, 7862, 7725, 7726 (474km²)	<u>Targets</u> : orogenic, intrusion-related and Carlin-type gold prospects.



# **Investment Highlights**

- ✓ Inferred & Indicated JORC Resource 239,000 oz at 1.13g/t for Mt Adrah Hobbs Gold Deposit (Pipe 1, Hobbs Pipe)
- ✓ Mining lease application for open cut gold mine to follow JORC upgrade subsequent to completion of Stage 1 Drilling Program
- ✓ Confidence in achieving Pipe 1 Conceptual Exploration Target of 3-4Moz
- ✓ Multiple Pipe Conceptual Target of 25-40Moz Gold
- ✓ Potential to fast track multi-million ounce gold mine
- ✓ Excellent logistics and infrastructure for gold mine development
- ✓ Potential bulk underground mining proposition with low-operating cost.
- ✓ In a World Class neighbourhood, known to be gold-endowed

# **Experienced Board & Management**

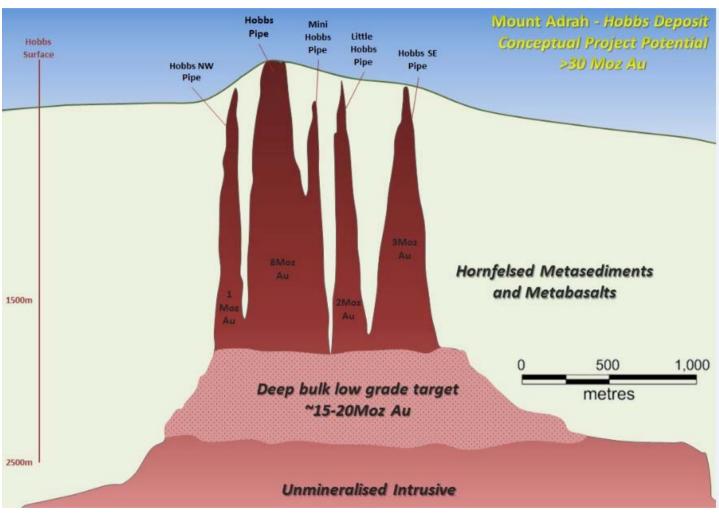
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Effective Board with strong mix of governance, commercial and technical expertise

Board of Directors					
Hon. John Dawkins AO	Chairman				
Dr Andrew White	Technical Director, Geologist				
Michael Leu	MD, Geologist				
Dr Kris Butera	CEO, Geologist				
Jacob Rebek	Director, Geologist				
Peter Meers	Director				

# Mt Adrah Multiple Gold-bearing Pipes Conceptual Target – 25-40Moz

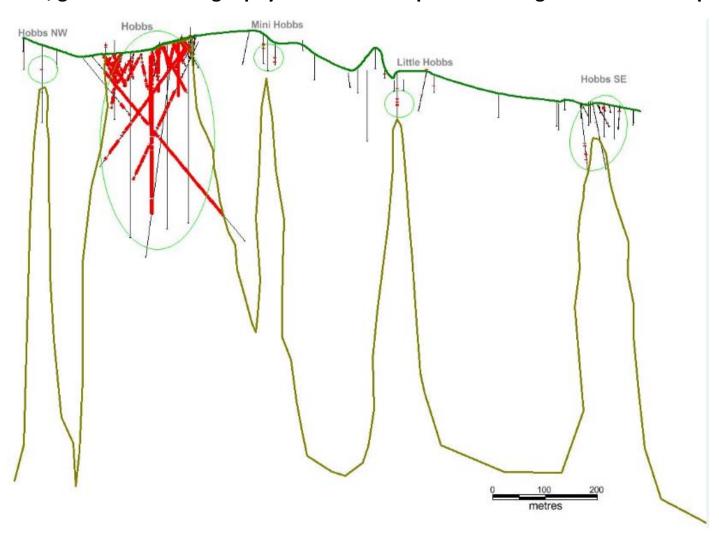


Pipe 1 Conceptual Target: 3-4 million ounces gold with a grade range 1.13–1.40 g/t contained in 65-90 million tonnes to 1,000 metres.

Multiple Pipe Conceptual Target: 25-40 million ounces gold with a grade range 1.13–1.40 g/t contained in 500-770 million tonnes to 2,500 metres.

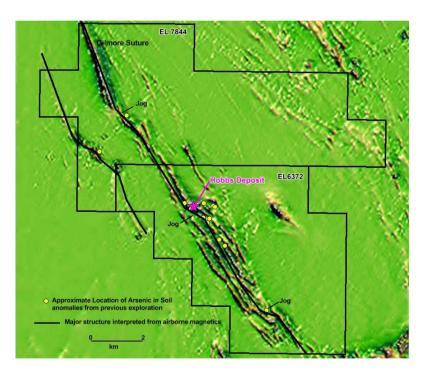
# Strong Evidence Supports Existence of Multiple Gold-bearing Pipes

Drill hole data, geochemical and geophysical anomalies provide strong science for multiple pipes

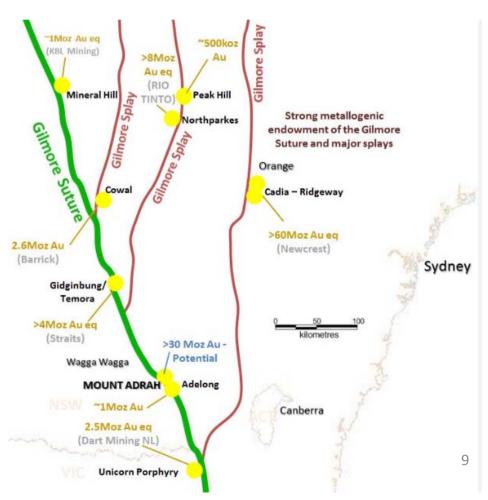


# Mt Adrah neighbours: World Class gold mines

- Well-positioned in favourable regional setting for World-Class gold mineralisation
- Mt Adrah is on the Gilmore Suture the same major geo-suture suite that hosts several World Class gold deposits and mines, such as Rio Tinto's Endeavour Mines (North Parkes 8Moz gold equiv.), Newcrest's Cadia Ridgeway (60Moz gold equiv.), Barrack's Cowal gold mine (2.8Moz gold equiv.).



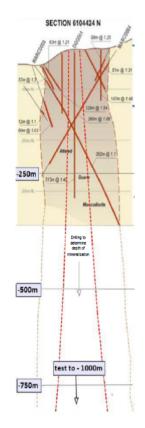
Location of the Hobbs deposit at a major dilational site along the Gilmore Suture, and the zone of structural complexity immediately to the south of the deposit – representing a major exploration target analogous to the giant Donlin Creek system.

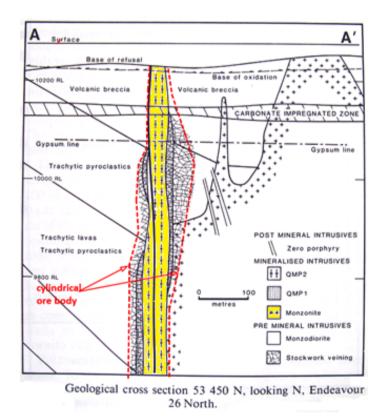


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# Mt Adrah Hobbs Gold deposit comparable to Rio Tinto's World Class Endeavour mines

- Data shows that Mt Adrah has potentially strong similarities to Rio Tinto's Endeavour (North Parkes) mines (million ounce) with multiple gold-bearing pipes
- Mt Adrah Hobbs Gold deposit 'pipe' shaped like Rio Tinto's world-class 'pipes'
- Rio Tinto's Endeavour (North Parkes) Mines contain 12 subcylindrical pipes that can extend vertically over 900 metres
- Strong evidence that Mt Adrah also has similar geological footprint – hence the potential to host multiple gold-bearing pipes



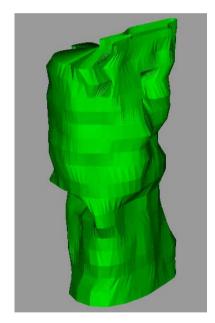


# Pipe 1:Inferred & Indicated JORC Resource for Mt Adrah Hobbs Gold Deposit

- Inferred and Indicated JORC Resource of 239,000 oz @ 1.13g/t
- Significant gold JORC resource expansion potential below 120 metres
- Conceptual Target of 3-4 million oz gold at the Mt Adrah Hobbs Pipe 1, to 1,000m

#### Further growth potential

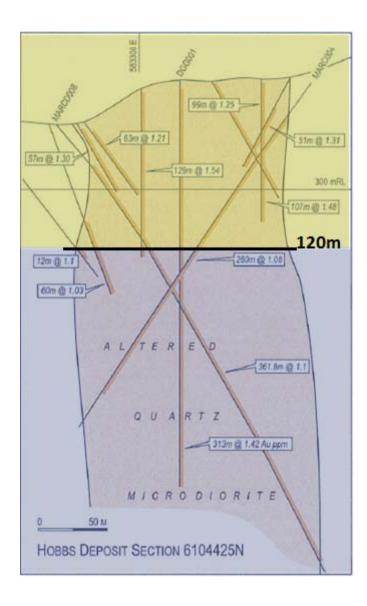
- Drilling data indicates continuous gold mineralisation to depths of 350 metres
- Based on nearby analogous World-Class gold mines, scope exists for mineralisation to extend to beyond 1,000 metres
- Other data indicates that the area may host several deep tapping Hobbs-like gold deposits
- Multiple potential drill targets identified through geophysical and geochemical anomalies in close proximity to the Hobbs Gold Deposit
- Hobbs Gold Deposit is in the right neighbourhood for World-Class gold discoveries, based on favourable geological and structural settings – gold mines associated with the Gilmour Structures include:
  - Rio Tinto's Endeavour, North Parkes (8Moz gold equivalent)
  - Newcrest's Cadia-Ridgeway (60Moz gold equivalent); and
  - Barrack's Cowal (2.6Moz gold equivalent)



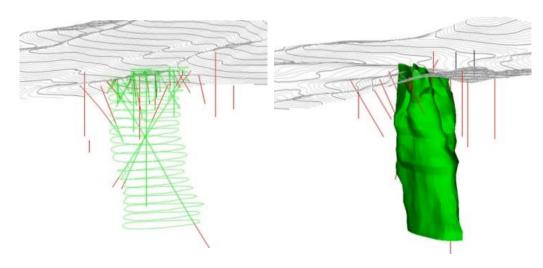
Configuration of the Hobbs gold ore body based on a 0.5g/t Au cut-off. This clearly defines a vertically dipping igneous stock. Boundaries were connected by wire-frames to form a solid surface bounding the mineralized zone (Figure from Rankin 2005). Note open vertically below 350M limit of drilling.

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# +A\$10M Historical expenditure to date

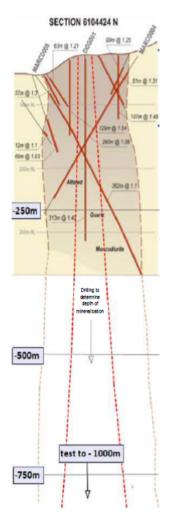


- Mt Adrah Hobbs Deposit Inferred JORC Compliant
   Resource 239,000 ounces @ 1.13 g/t gold to a depth of 120m at a cut-off of 0.5g/t gold
- Gold grade increases with depth, 313 metre vertical drill hole with continuous gold @ 1.42g/t
- Mineralisation open vertically and along a NW/SE trend
- Proven ore body dimension to 350m vertically, and open to depth



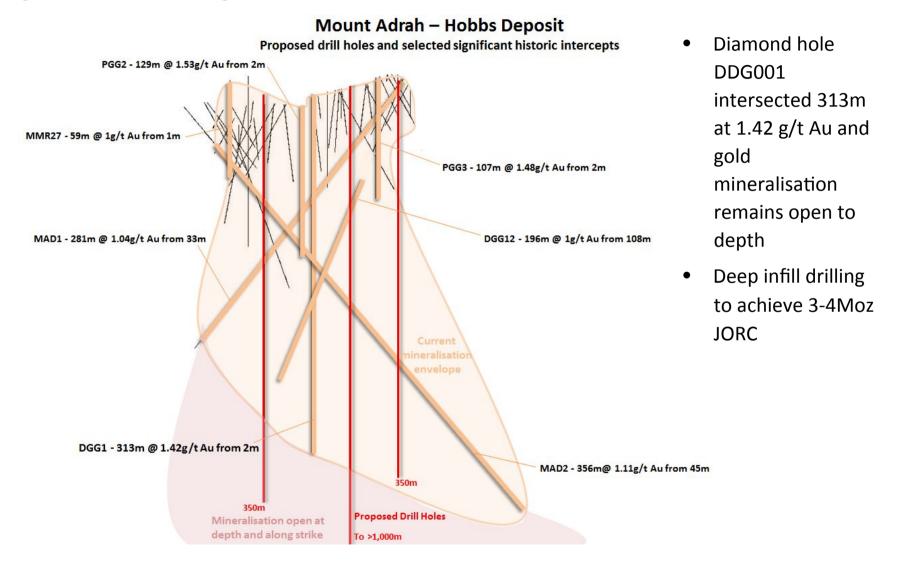
3D image of Hobbs Gold Deposit based on drill hold data. Note ore body is clearly open vertically and could extend to >1,000 metres below surface.

# Pipe 1: Planned Drill Holes JORC and Conceptual Targets



Resource Depths	Tonnes	Grade 1.13g/t	Grade	Grade	Grade
			1.22g/t	1.3g/t	1.4g/t
Current JORC Resource 120m	6.5mt	239,000oz	Cumulative average		
Conceptual 200m deep open cut, Mining Lease Application Late 2013	8.2mt		320,000oz	340,000oz	370,000oz
Conceptual Target to 360m	13.3mt		520,000oz	555,000oz	598,000oz
Conceptual Target to 500m	25Mt		0.98Moz	1.05Moz	1.13Moz
Conceptual Target to 800m	65Mt		2.55Moz	2.72Moz	2.93Moz
Conceptual Target to 1000m	90Mt		3.53Moz	3.76Moz	4.05Moz
Conceptual Target to 1200m	120Mt		4.71Moz	5.02Moz	5.40Moz

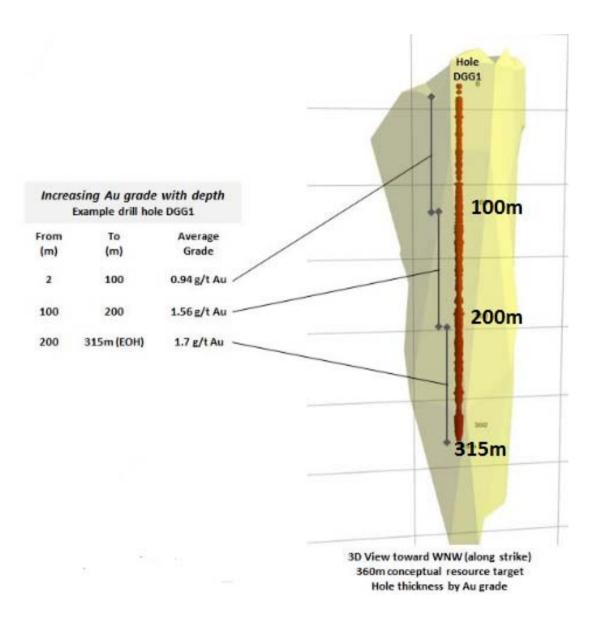
# Pipe 1: Completed & Planned Drill Holes



**Pipe 1 Conceptual Target:** 3-4 million ounces gold with a grade range 1.13–1.40 g/t contained in 65-90 million tonnes to 1,000 metres. **Multiple Pipe Conceptual Target:** 25-40 million ounces gold with a grade range 1.13–1.40 g/t contained in 500-770 million tonnes to 2,500 metres.

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# Pipe 1: Gold Grade Increases with Depth



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- Mt Adrah Hobbs Deposit JORC
   Diamond Drill Hole DDG1
- 2m-100m 0.94g/t Au
- 100m-200m, 1.56g/t Au
- 200m-315m, 1.7g/t Au

# **Ideal Logistics for Gold Mine Development**

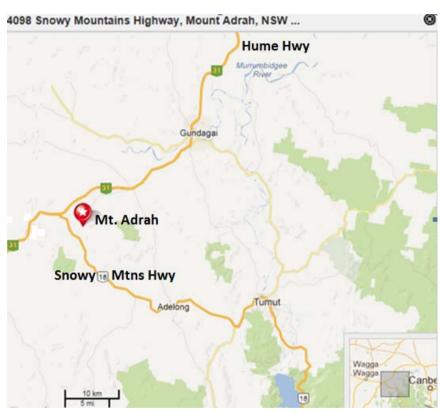
Mt. Adrah is located approximately 400km south west of Sydney in Southern New South Wales.

- Excellent Logistics for Operating Environment:
   Close to major infrastructure, services and workforce sealed roads, rail, airport, labour source, University, water, power, engineering, foundries and other key services etc.
- 17km northwest Adelong township and gold mining centre

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Easily accessible - predominately Freehold grazing country





# **Investment Summary**

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## **Further Information**



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