

A new Australian gold explorer in a multi million ounce gold province ASX:STN

ASX:SIN

lan Bamborough Managing Director 10 May 2018

www.saturnmetals.com.au

## **Value Proposition**

#### Investment Highlights:

- Premium land position in a multi million ounce gold province Apollo Hill is located 50km south-east of Leonora in Western Australia within close proximity to existing mine infrastructure.
- 12012 JORC compliant inferred resource of 17.2Mt at 0.9g/t for 505,000 ounces of gold using a 0.5g/t cut-off to a maximum depth of 180m\*. Potential exists to materially upgrade the resource in the near and medium terms with planned exploration.
- New Results Grow The Apollo Hill Gold System Significant near surface resource extensional drilling
  Intersections are comparable with historic mineralised intervals and highlight the potential to rapidly
  increase the scale of the known mineralised system from the current inferred gold resource.

#### Clear strategy to add shareholder value via a 3 pronged approach to:

- grow existing Apollo Hill resources base by targeting along strike potential; hits along strike from the Resource including 5m @ 25.9 g/t Au 1
- aim to increase average grade of existing resource base through the targeting of newly identified high grade plunging shoots; intersections including 5.3m @ 10.3g/t Au<sup>1</sup>
- test regional targets including Bobs Bore (intersections including 9m @ 10.9g/t Au) and Yerilla (intersections including 17m @ 6.04g/t Au) <sup>1</sup>

<sup>&</sup>lt;sup>1</sup> Results and Resource reported in the Independent Geologist's Report (IGR) (along with JORC Table 1) in the Company's Prospectus, and shown in fuller context later in this presentation.

### **Corporate Snapshot**

Fully Funded -Strong Register



Corporate Metric		
Cash (31 March 2018)	\$6.491M	
Shares on Issue	55M	
Options (Director Options @ \$0.20 vesting over three years)	4M	
Market Capitalisation @ \$0.17 per Share (9 May 2018)	\$9.5M	

## **Experienced Board**



IAN BAMBOROUGH (BSc (Hons), MSc, MBA, MAIG, GAICD) Managing Director

Mr Bamborough is a geologist with 20 years leadership experience in the mining industry. Mr Bamborough developed his career with Newmont Mining Corporation and was more recently managing director of ASX listed Spectrum Rare Earths Limited. Mr Bamborough has previously served as a director on the Northern Territory Mining Board, and currently holds directorships with private exploration and mining companies Roman Road Pty Ltd and Reef Mining Pty Ltd.



ROBERT TYSON (B App Sc, GDipAppFin, MAusIMM) Executive Chairman

Mr Tyson is a geologist with more than 20 years resources industry experience having worked in exploration and mining-related roles for companies including Cyprus Exploration Pty Ltd, Queensland Metals Corporation NL, Murchison Zinc Pty Ltd, Normandy Mining Ltd and Equigold NL. Mr Tyson is the managing director of Peel Mining Limited, a role he has held for 11 years since the Company's inception.



ANDREW VENN (BBus, GDipAppFin, FFin) Non-Executive Director

Mr Venn has over 20 years mining industry experience and currently holds a senior executive position for a major mining contractor. Mr Venn has previously held senior positions across financing and operations for Argonaut Limited, Orica Mining Services and ICI Explosives and is a Fellow of the Financial Services Institute of Australia.

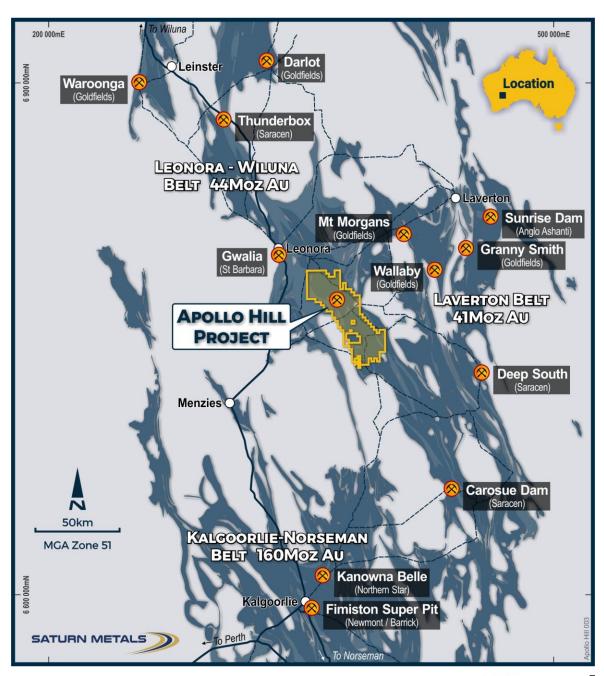


RYAN WOODHOUSE Company Secretary

Mr Woodhouse has 10 years of experience in the mining and energy industries in the area of accounting and governance. He holds a Bachelor of Commerce from Curtin University and is a member of the Institute of Chartered Accountants

#### **Apollo Hill Gold Project**

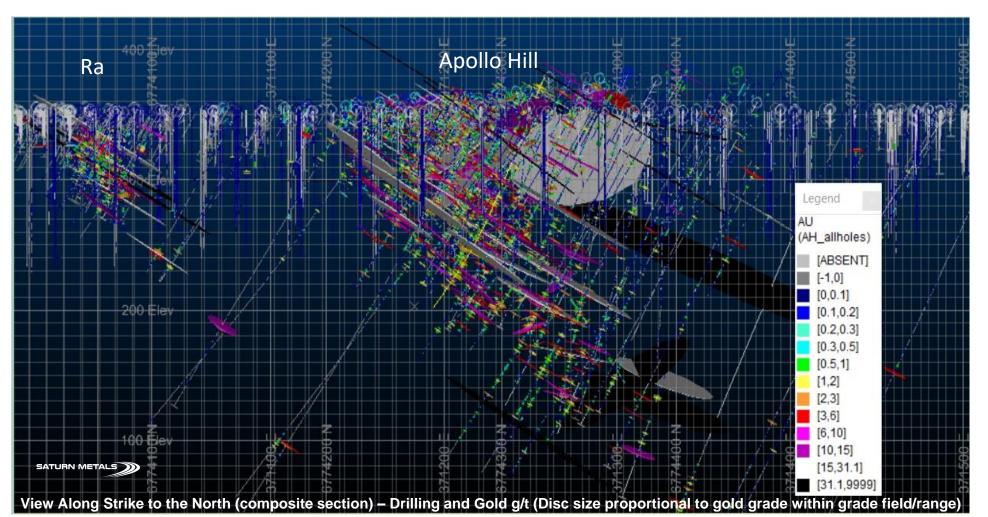
- Excellent location 50km south-east of Leonora in Western Australia in world class multi million ounce gold province close to existing gold infrastructure
- 100% ownership of more than 1,000km<sup>2</sup> of contiguous ground
- Existing 2012 JORC compliant inferred resource of 17.2Mt at 0.9g/t for 505,000 ounces of high grade vein gold opportunities within resource area (refer to the Prospectus and IGR for full report and JORC Table 1)
- Underexplored large scale district gold play
- Key Gold Fertile Structures including the Keith Kilkenny Lineament
- Early production study opportunities with metallurgy suggesting a simple flow sheet (potential for dig, truck and toll)
- Underexplored ground due to a varied ground holding and commodity cycles



## **Apollo Hill**

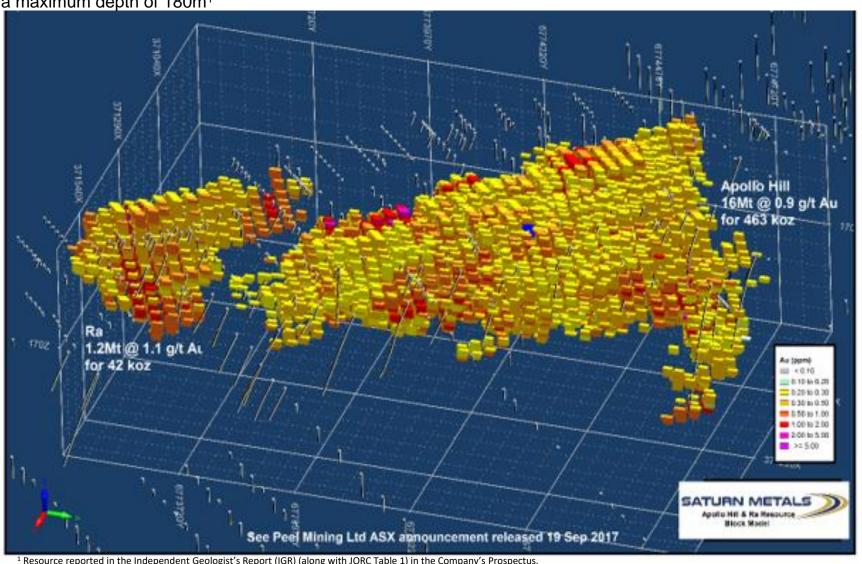
#### A major gold system poised for rapid growth

- Drilling is rapidly testing for additional ounces and new higher grade ounces
- Expansive gold mineralised system at 40m-70m wide Drilling to Only 200m deep More than 1.2kms long
- The system remains open in all directions
- Favourable proportion of mineralised to non mineralised material in evident in this view



## **Apollo Hill - Resource Picture (0.5Moz)**

JORC (2012) compliant inferred resource of 17.2Mt at 0.9g/t for 505,000 ounces of gold using a 0.5g/t cut-off with a maximum depth of 180m<sup>1</sup>

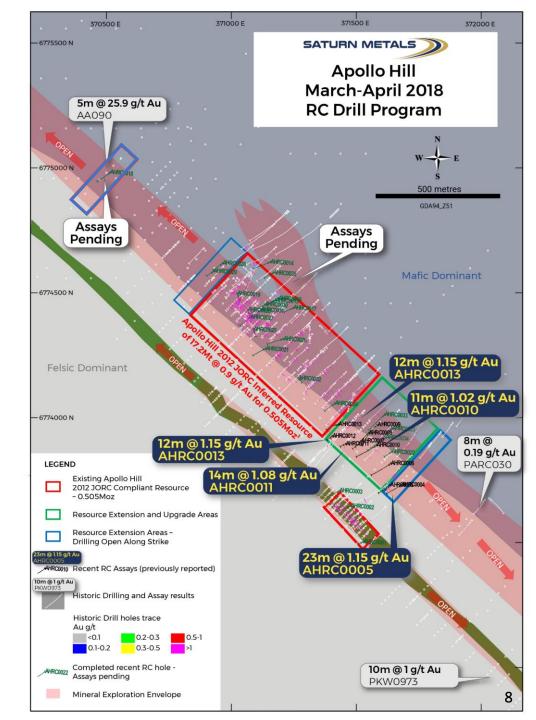


# Potential for Rapid Resource Upgrade

New, Near Surface Extensional Results Grow The Apollo Hill Gold System:

- AHRC0007, 19m @ 1.02g/t Au from 72m;
- AHRC0011, 14m @ 1.08g/t Au from 10m;
- AHRC0005, 23m @ 1.15g/t Au from 11m;
- AHRC0010, 11m @1.02g/t Au from 38m;
- AHRC0013, 12m @ 1.15g/t Au from 93m.
- Intersections comparable with mineralised intercepts within the current 0.5Moz JORC 2012 inferred resource (17.2Mt at 0.9g/t Au).
- Mineralsation open along strike Only shallow sparse historic RAB AC Drilling

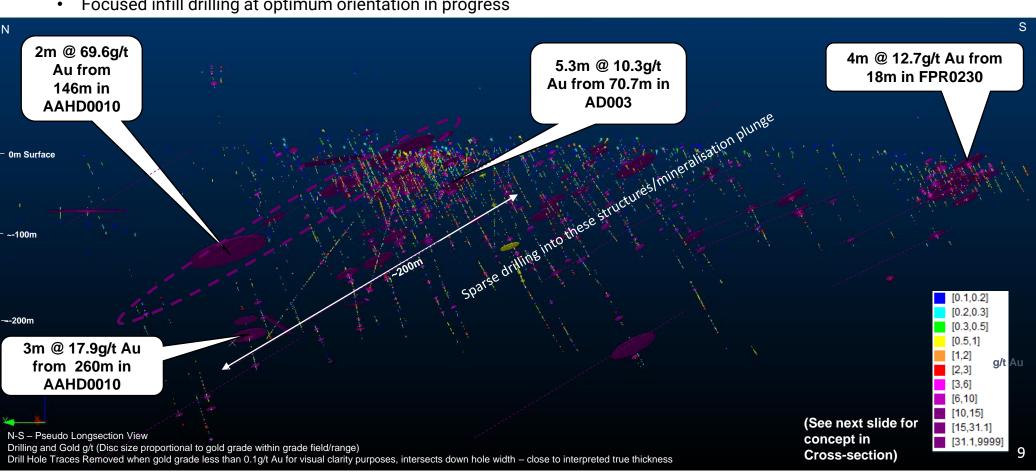
Assays remain pending for 25 Holes



# Stacked, High-Grade Gold Lodes - A New Theory

#### Requires high priority drill testing

- Drilling could see upgrade to the grade profile with opportunities for narrower vein, high-grade gold
- A stacked system of gold bearing structures is interpreted to dissect the Apollo and Ra gold system from North to South
- 'Text book' geological structures known as 'Riedel' shears with plunging gold shoots evident
- Historical wide spaced drilling undertaken within the Apollo Hill deposit has not yet assessed this exciting new opportunity
- Focused infill drilling at optimum orientation in progress

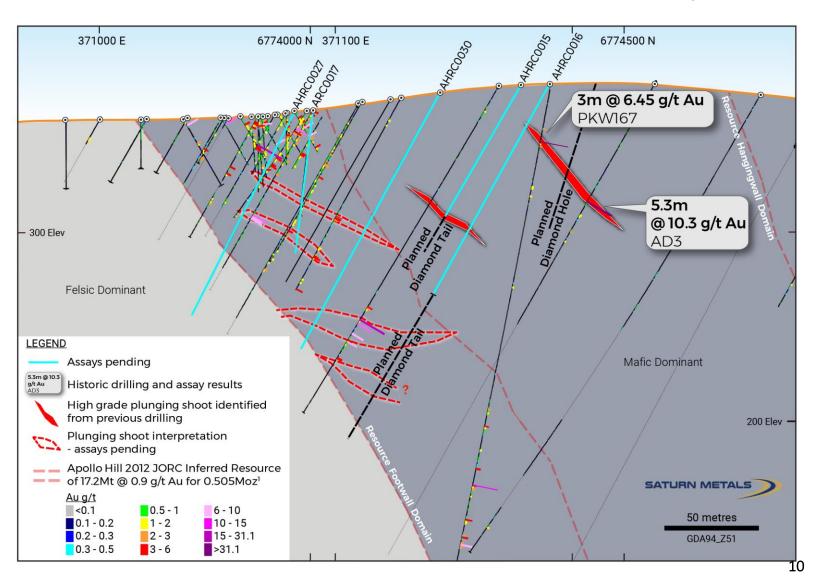


## Stacked, High-Grade Gold Lodes - A New Theory

Proof of concept could see an increase to the overall grade of the Mineral Inventory

#### **Drilling Now**

- RC Holes
   Completed –
   Assays Pending
- Diamond Drilling Scheduled to Commence late May 2018



## **Apollo Hill - Simple Metallurgy**

Metallurgical test work has shown excellent gold extraction characteristics for easily recoverable gold

#### **Conventional**

- More than 60% recovery by gravity separation alone
- Greater than 92% gold recovery via conventional gravity/cyanidation combination (at only 300 µm grind)

#### Leaching

- In column leach tests (representative of Heap Leaching)
- Coarse grind size gold recovery was highly encouraging with high permeability and low agglomeration requirements

Grind Size	Au Recovery	Recovery after two weeks
-8mm	77%	67%
-4mm	69%	54%



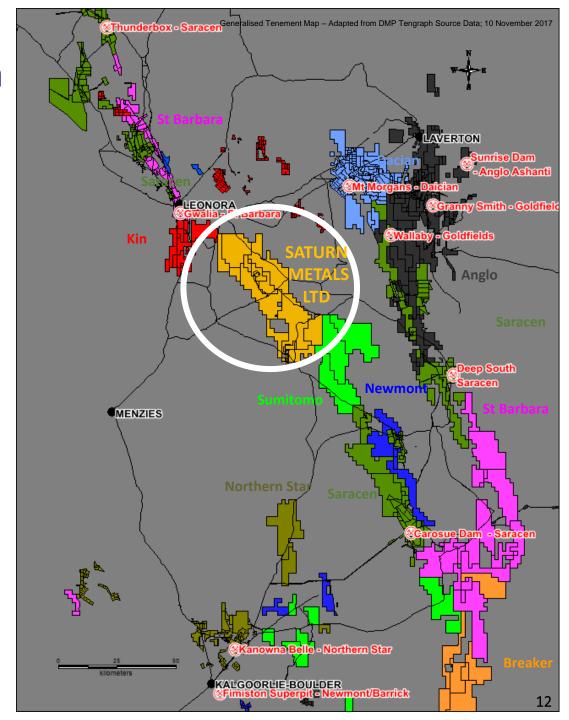
## **Key Strategic Location**

First class neighbours

- Central position in Eastern Goldfields
- Surrounded by gold majors and successful mid-tier gold producers
- Multiple regional targets in addition to the Apollo Hill resource area: Bobs Bore, Yerilla, 40G area
- Ground encompasses much of the gold fertile and highly prospective and sought after Keith Kilkenny Lineament

WA

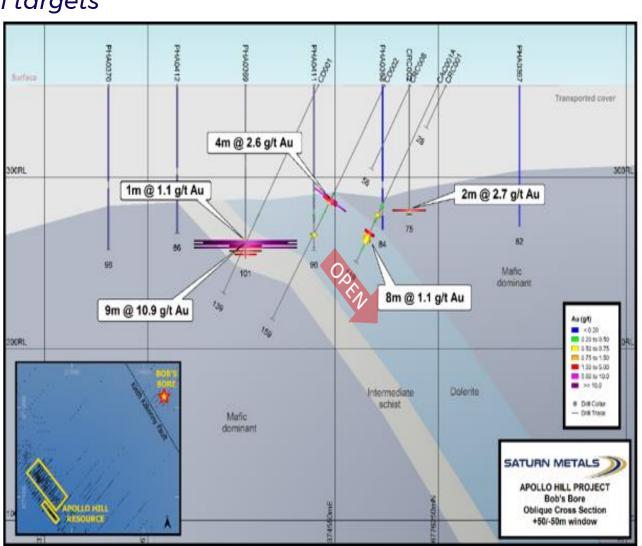
**APOLLO HILL** 



#### **Bobs Bore**

#### Highly prospective regional targets

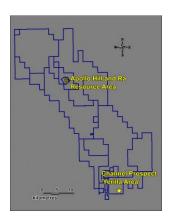
- Bobs Bore 9m @ 10.9g/t Au near bottom of hole
- Located 3.5km NE of Apollo-Ra deposits on the Keith Kilkenny Structure
- Located directly on the gold prospective Keith Kilkenny Lineament
- Sparse Drilling only one section of three AC/RC holes
- Under cover no known effective drilling along strike
- Drilling open at depth

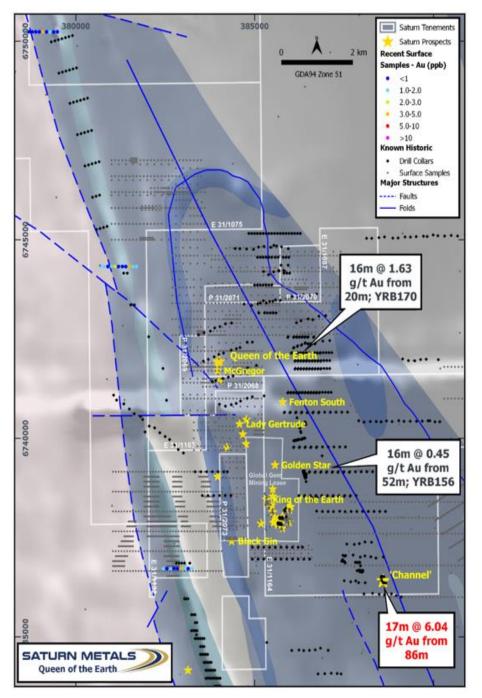


#### **Yerilla Shear**

#### Highly prospective regional targets

- 17m @ 6.04g/t Au from 86m; fence line RC intersection with only limited follow up work
- 5km Long Trend of Significant Intersections on the Yerilla Shear and folded rocks
- Historic production from the greater area over 17,700 oz
- Strong geophysical targets along strike of old workings





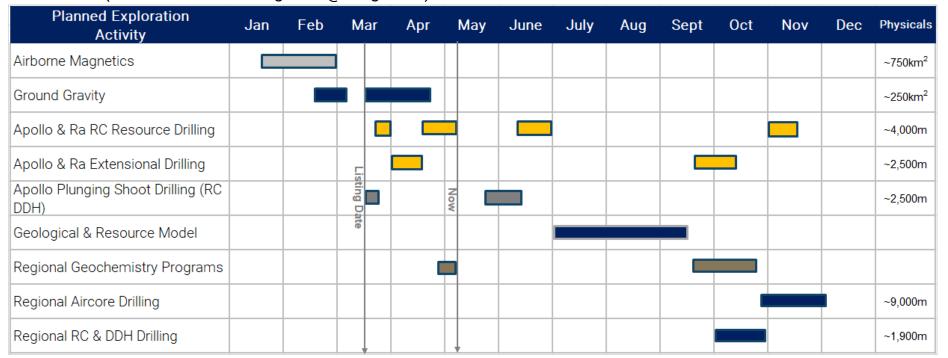
## **Planned Exploration Schedule 2018**

#### Regular Results Flow

- Targeting ~20,000m of drilling
- Multiple drilling phases scheduled results flow
- Clear strategy to add shareholder value 3 pronged approach will aim to:
  - grow existing Apollo Hill resources base by targeting along strike potential; hits along strike from the Resource including 5m @ 25.9 g/t Au<sup>1</sup>
  - increase average grade of existing resource base through the targeting of newly identified high grade plunging shoots; intersections including 5.3m @ 10.3g/t Au<sup>1</sup>
  - test regional targets including Bobs Bore (intersections including 9m @ 10.9g/t Au¹) and Yerilla (intersections including 17m @ 6.4g/t Au¹)







# **ASX Peer Comparison**

Company	ASX Code	Market Cap	EV	EV/Resources
Gold Road Resources	GOR	\$702M	\$478M	\$147/oz
Echo Resources	EAR	\$171M	\$14M	\$91/oz
Capricorn Metals	СММ	\$55.4M	\$45.1M	\$41/oz
Saturn Metals	STN	\$10M	\$3.5M	\$6.93/oz

Source Information from Company ASX Presentations – GOR 3 May 2018; CMM 18 March 2018; EAR 7 February 2018

## **Disclaimer & Competent Person Statements**

The Company has prepared this presentation. Whilst the information contained in this presentation has been prepared with all reasonable care from information provided by the Company and from sources, which the Company believes are reliable, no responsibility or liability is accepted by the Company for any errors or omissions or misstatements, however caused.

To the maximum extent permitted by law, the Company, its directors officers, employees and agents disclaim liability for any loss or damage which may be suffered by any person thought the use or reliance on anything contained in or omitted in this presentation. Certain information in this presentation refers to the intentions of the Company, but these are not intended to be forecasts, forward looking statements or statements about future matters for the purposes of the Corporations Act or any other applicable law.

The occurrence of events in the future are subject to risks, uncertainties and other factors that may cause the Company's actual results, performance or achievements to differ from those referred to in this presentation. Accordingly, the Company, its directors officers, employees and agents do not give any assurance or guarantee that the occurrence of the events referred to in this presentation will actually occur as contemplated.

The Company recommends investors obtain their own independent financial and accounting advice before making any financial investment in reliance upon information contained in this publication.

Competent Person: The information in this report that relates to the Apollo Hill Mineral Resource estimates, and reported by the Company in compliance with JORC 2012 is based on information compiled by Jonathon Abbott, a Competent Person who is a Member of the Australian Institute of Geoscientists. Jonathon Abbott is a full-time employee of MPR Geological Consultants Pty Ltd and is an independent consultant to Saturn Metals Limited. Mr Abbott has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Mineral Resources and Ore Reserves". At the time of construction of the Apollo Hill estimates Mr Abbott was an employee of Hellman & Schofield Pty Ltd. Mr Abbott consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

Competent Person: The information in this report that relates to exploration targets and exploration results is based on information compiled by Ian Bamborough, a Competent Person who is a Member of The Australian Institute of Geoscientists. Ian Bamborough is a fulltime employee and Director of the Company, in addition to being a potential shareholder in the Company. Ian Bamborough 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 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Ian Bamborough consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.