

Company Announcements Platform Australian Securities Exchange 20 Bridge Street SYDNEY NSW 2000

Dear Sir/Madam

### COMPANY PRESENTATION – NORTH AMERICA GRUYERE GOLD PROJECT – PFS INFORMATION BOOKLET

Please find attached a Company Presentation titled "Gruyere the Road to Development – North America February 2016.

The Company also advises that the Gruyere Gold Project –PFS Information Booklet is available on the Company website at <a href="http://www.goldroad.com.au/reports/GORPFSInformationBooklet.pdf">http://www.goldroad.com.au/reports/GORPFSInformationBooklet.pdf</a> or at <a href="https://www.goldroad.com.au">www.goldroad.com.au</a>

ASX Code GOR

**ABN** 13 109 289 527

#### **COMPANY DIRECTORS**

lan Murray

**Executive Chairman** 

Justin Osborne

**Executive Director** 

Russell Davis

Non-Executive Director

Tim Netscher

Non-Executive Director

Martin Pyle

Non-Executive Director

Kevin Hart

**Company Secretary** 

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# UNLOCKING THE POTENTIAL

Gruyere - The Road to Development

North America - February 2016

ASX:GOR • WWW.GOLDROAD.COM.AU

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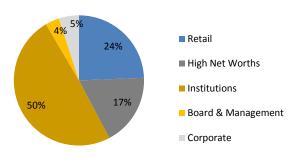
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## **Corporate Summary**

12 month share price performance



#### **Shareholders**



#### Substantial Shareholders:

|   | RCF ~10%     |
|---|--------------|
| • | Platypus ~8% |
|   | Van Eck ~6%  |

#### Research:

- Argonaut
- Macquarie
- Bell Potter
- RBC
- Baillieu Holst
- Eagle Research

### **Directors & Management**

| lan Murray     | Executive Chairman |
|----------------|--------------------|
| Justin Osborne | Executive Director |

Russell Davis Non-exec Director (Founding)

Tim Netscher Non-exec Director Martin Pyle Non-exec Director

Kevin Hart Company Secretary
Sim Lau Development Manager

Wayne Foote GM - Operations Sharon Goddard GM - Corporate

Gordon Murray Business Development Manager

Natalie Lund Financial Controller

Clayton Davy's Exploration Manager (Acting)

### **Corporate snapshot**

| ASX Code                           | GOR                   |                         |
|------------------------------------|-----------------------|-------------------------|
| Issued Shares (undiluted)          | 700M <sup>1</sup>     |                         |
| Performance Rights                 | 5.6M <sup>1</sup>     |                         |
| Unlisted Options                   | 5.2M <sup>1</sup>     |                         |
| Share Price                        | A\$0.44 <sup>1</sup>  | (US\$0.32) <sup>3</sup> |
| Ave. daily volume (last 12 months) | 1,750k                |                         |
| Market Cap                         | ~A\$308M1             | (US\$225M) <sup>3</sup> |
| Cash                               | A\$36.9M <sup>2</sup> | $(US$27.9M)^3$          |

<sup>&</sup>lt;sup>1</sup> As at 16 February 2016

<sup>&</sup>lt;sup>2</sup> As at 31 December 2015

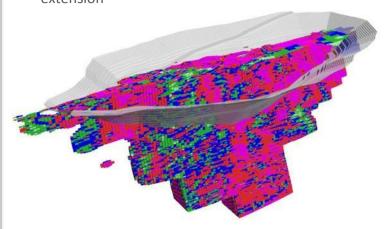
<sup>&</sup>lt;sup>3</sup> Exchange Rate US\$0.73:A\$1.00

# A Unique Global Investment Proposition

12 Year Gold Project & World Class Greenfields Exploration Project

#### **Gruyere Gold Project – Long Life, Low Cost**

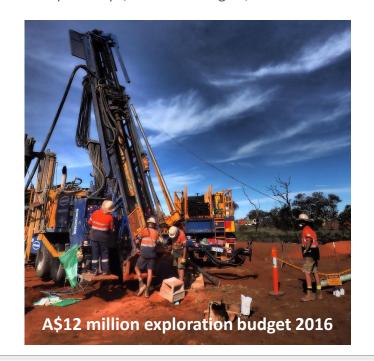
- 12 year project life at 265,000 ounces per year
- LOM AISC of A\$960 (US\$700) per ounce
- Upside potential through value engineering & depth extension



Maiden Ore Reserve of 3.2 Moz Gold announced only 28 months after discovery

#### Yamarna Belt – A New Gold District

- ~5,000 km² tenement holding in prolific Yilgarn Craton
- Highly prospective and under-explored
- Multiple Camps, Advanced Targets, and Resources



# Who is Gold Road Resources?

#### **Our Assets**

■ ~5,000km² prospective exploration tenements on the Yamarna Greenstone Belt

Exploration JV with Sumitomo over South Yamarna project

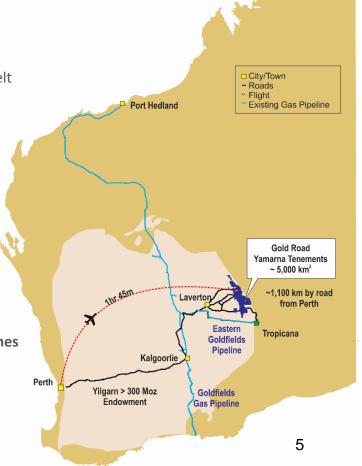
JORC Resources of >6.1 Moz Au<sup>1</sup> ..... across three deposits and growing

Maiden JORC Ore Reserve of 3.17 Moz Au<sup>2</sup>

PFS demonstrates 12 year project life for Gruyere Gold Project

### **Our Strategy**

- "Unlocking the Potential of the Yamarna Greenstone Belt"
- Focus on our strength as a quality exploration company
- Discover World Class Deposits and Develop Large-Scale Standalone Gold Mines
- Target World Class Deposits >10 year life at <A\$1,000 AIC³ (<US\$730⁴)



<sup>&</sup>lt;sup>1</sup> Refer to Appendix 2

<sup>&</sup>lt;sup>2</sup> Refer to Appendix 3

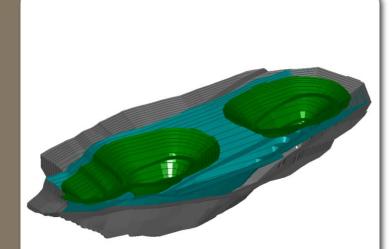
<sup>&</sup>lt;sup>3</sup> AIC (All In Cost) = AISC (All In Sustaining Cost) + Depreciation (of Development Capital)

<sup>&</sup>lt;sup>4</sup> Exchange Rate US\$0.73:A\$1.00

# Gruyere PFS Highlights<sup>1</sup>

### Australia's next large-scale gold mine

- 3.17 Moz of gold in Maiden Ore Reserve<sup>2</sup>
- 12 year project life producing 265,000 oz Au per year<sup>1</sup>
- LOM AISC \$960/oz¹ (US\$700/oz³)
- Capital cost of A\$455M<sup>4</sup> (US\$335M<sup>3</sup>)
- Project payback in 42 months (32% of LOM)<sup>1</sup>
- Gold Production in Q4 2018
- Significant potential to further improve project returns
- Ideal time to develop new Australian gold projects



Gruyere PFS Final Open Pit Showing 4-Stage Pit Design Shells

<sup>&</sup>lt;sup>1</sup> Refer to ASX Announcement dated 8 February 2016

<sup>&</sup>lt;sup>2</sup> Refer to Appendix 3

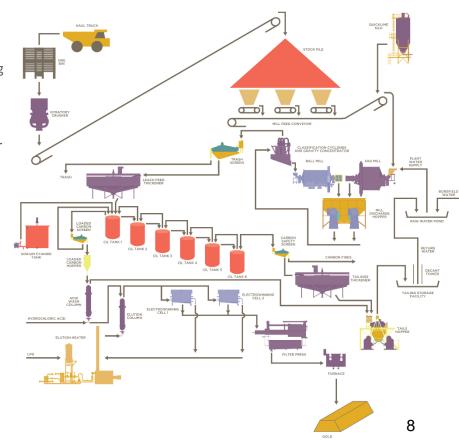
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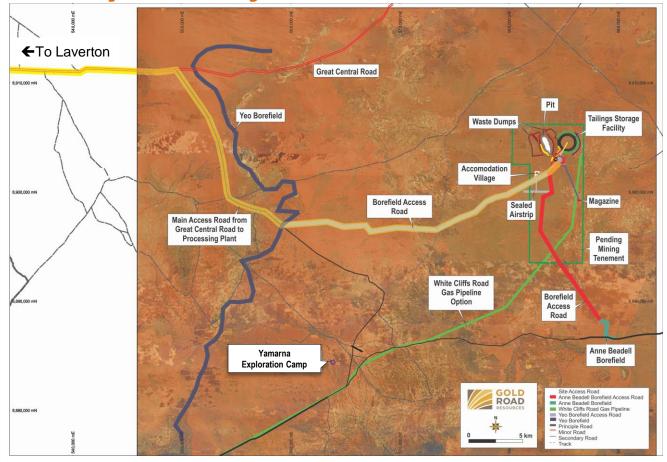


# **Gruyere Project Description**

- Single open pit mined in four stages
- FIFO workforce Owner Operator Management and Contract Mining
- Mining by conventional drill & blast, load & haul open pit
- Comminution by single stage crush, SABC milling with pebble crusher
- Gold recovery by CIL with upfront gravity circuit
- Mill throughput between 7.5 to 8.8 Mtpa grinding to  $P_{80}$  of 125 $\mu$ m (Plant flexibility to operate from 106 to 150 $\mu$ m)
- Power supply by on-site BOO gas power generation through pipeline
- Water sourced from two local palaeochannel systems

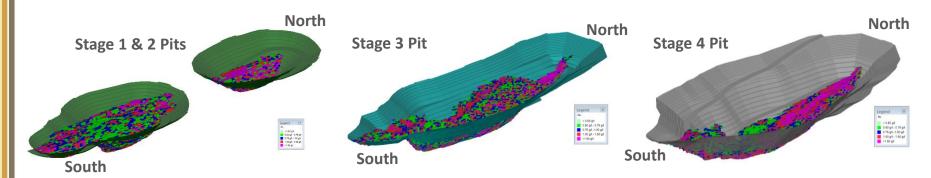


**Gruyere Project Infrastructure** 



- Major Road access from Laverton via the Great
   Central Road
- Gas pipeline route to follow
  White Cliffs Road corridor
- Yeo Borefield 25km west of mine site
- Mine Camp and Sealed
   Airstrip to be constructed
   within 5km of Mine

# **Gruyere Mine Design Physicals**



| Stage 1 (South Pit)            | Stage 2 (North Pit)           | Stage 3 – joins Pits 1 & 2      | Stage 4 Final Pit               |
|--------------------------------|-------------------------------|---------------------------------|---------------------------------|
| 800m x 420m x 160m depth       | 560m x 410m x 130m depth      | 1,800m x 750m x 260m depth      | 1,800m x 890m x 340m depth      |
| Wall slope: west 40°, East 40° | Wall slope: W 35°, E 35°      | Wall slope: W 48°, E 42°        | Wall slope: W 40°, E 40°        |
| Mined: Years 1 to 4            | Mined: Years 1 to 4           | Mined: Years 3 to 8             | Mined: Years 5 to 12            |
| 16.2 Mt @ 1.17 g/t, 611 koz Au | 2.7 Mt @ 1.82 g/t, 161 koz Au | 38.4 Mt @ 1.14 g/t, 1.41 Moz Au | 24.5 Mt @ 1.28 g/t, 1.00 Moz Au |
| Stripping ratio of 1.1:1       | Stripping ratio of 5.1:1      | Stripping ratio of 2.3:1        | Stripping ratio of 5.2:1        |

# PFS Key Project Physicals & Financials<sup>1</sup>

| Physical Parameter                                    | Outcome                   |
|---|---------------------------|
| Project Life (years)                                  | 12                        |
| Stripping Ratio (waste:ore) (including pre-strip)     | 3.0:1                     |
| Stripping Ratio (waste:ore) (excluding pre-strip)     | 2.9:1                     |
| Final Pit Depth (m)                                   | 340                       |
| Gold Recovered (Moz)                                  | 2.9                       |
| Annual Gold Production (average koz pa)               | 265                       |
| Grind Size P <sub>80</sub> (μm) (flexible 106 to 150) | 125                       |
| Metallurgical Recovery (Fresh - Oxide) (%)            | 91 - 93                   |
| Mining Cost (A\$/tonne ore)                           | <b>13.70</b> <sup>2</sup> |
| Processing Cost (A\$/tonne ore)                       | 15.90                     |

<sup>&</sup>lt;sup>1</sup> Gruyere PFS – ASX announcement dated 8 February 2016

| Financial Parameter   | Units    | <b>PFS</b><br>(A\$1,500/oz) | <b>US\$<sup>3</sup></b><br>(US\$1,095/oz) |
|---|----------|-----------------------------|---|
| Gold Produced   | koz      | 2,917                       |   |
| Gross Revenue   | A\$M     | 4,375                       | 3,195                                     |
| Free Cash flow – Pre Tax  | A\$M     | 1,085                       | 795                                       |
| Free Cash flow – Post Tax   | A\$M     | 770                         | 565                                       |
| C1 Cash Costs   | A\$/oz   | 855                         | 625                                       |
| C2 Cash Costs   | A\$/oz   | 1,060                       | 774                                       |
| C3 Cash Costs   | A\$/oz   | 1,110                       | 810                                       |
| All in Sustaining Costs (AISC)  | A\$/oz   | 960                         | 700                                       |
| All in Costs (AIC)  | A\$/oz   | 1,115                       | 815                                       |
| <b>Development Capital Cost</b>                                       | A\$M     | 4554                        | 335                                       |
| Development Capital Cost per<br>ounce (Dev. Capex / Gold<br>Produced) | A\$/oz   | 157                         | 115                                       |
| Payback Period (months)   | Months   | 42                          |   |
| Payback Period  | % of LOM | 32                          |   |
| Project LOM Costs   | A\$M     | 3,260                       | 2,380                                     |

<sup>&</sup>lt;sup>2</sup> Mining cost refers to total mining cost to deliver a tonne of ore to the processing plant, including waste movement. Average unit rate material movement over life of mine is ~A\$3.40/tonne, with mining at surface starting at ~A\$3.10/tonne increasing at ~A\$0.05/t per 10m vertical advance

<sup>&</sup>lt;sup>3</sup> A\$:U\$\$ exchange rate A\$1:U\$\$0.73

<sup>&</sup>lt;sup>4</sup> Capital Estimate is as at Q3 2015, and accuracy level is -15% to +25%

# **PFS Capital and Operating Expenditure Estimate**

| Capital Expenditure Cost Area          | A\$M |
|--|------|
| Direct Costs                           |      |
| Process Plant and TSF                  | 180  |
| Site Preparation and Infrastructure    | 89   |
| Mine Development and Infrastructure    | 33   |
| Equipment                              | 13   |
| Subtotal Direct                        | 315  |
| Indirect Costs                         |      |
| Engineering and Contractor's Indirects | 80   |
| Owner's Costs                          | 25   |
| Subtotal Indirect                      | 105  |
| Contingency                            | 35   |
| Total (Real) Capital Cost <sup>1</sup> | 455  |
| Escalation to 2018                     | 15   |

| Operating Cost Area                     | LOM Cost<br>(A\$M) | LOM Cost<br>(A\$/oz) | LOM Cost³<br>(US\$/oz) |
|---|--------------------|----------------------|------------------------|
| Mining                                  | 1,120              | 384                  | 280                    |
| Processing                              | 1,298              | 445                  | 325                    |
| Transport and Refining                  | 5                  | 2                    | 2                      |
| General and Administration <sup>2</sup> | 88                 | 30                   | 22                     |
| Subtotal Opex                           | 2,511              | 861                  | 628                    |
| Royalties                               | 145                | 50                   | 37                     |
| Rehabilitation Fund<br>Levy             | 5                  | 2                    | 2                      |
| Total Cost                              | 2,661              | 912                  | 667                    |

<sup>&</sup>lt;sup>2</sup> General and Administration costs include site and allocated corporate costs.

All numbers are rounded to reflect appropriate levels of confidence. Apparent differences may occur due to rounding.

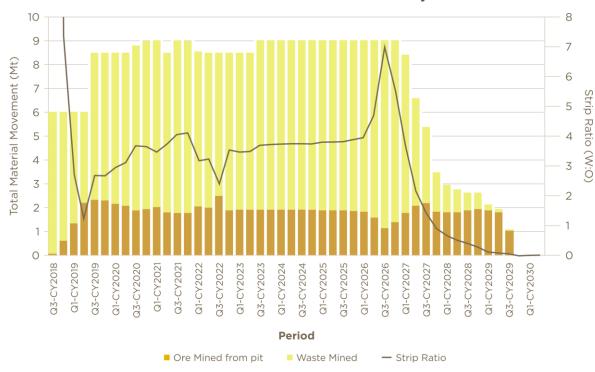
<sup>&</sup>lt;sup>3</sup> A\$:US\$ exchange rate A\$1:US\$0.73

<sup>12</sup> 

# **PFS Mining Schedule**

- Mining rates optimised to satisfy processing requirements
- 6 to 9 Mt mined per quarter
- First two quarters = pre-production
- Max vertical advance of 50m/year
- LOM strip ratio 3:1
- Simplicity of the orebody and single open pit results in highly achievable mining targets

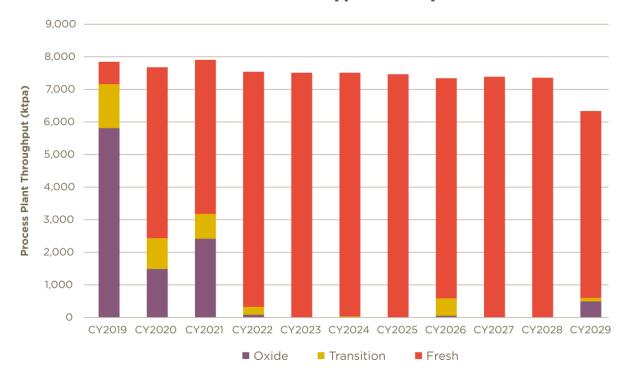
### **Total Material Movements – Gruyere PFS**



# **PFS Processing Schedule**

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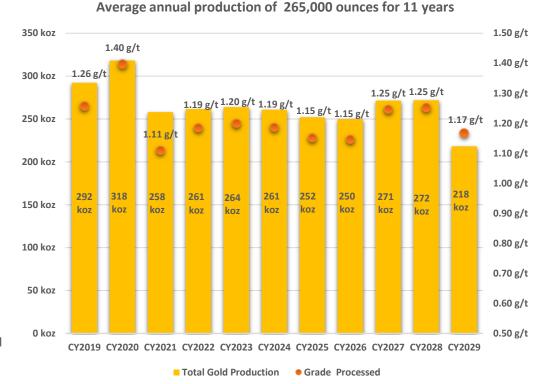
### **Process Plant Feed Type – Gruyere PFS**



### **PFS Gold Production & Grade Profile**

### Annual Gold Production – Gruyere PFS

- Throughput rate varies on material type
- Increased throughput in early years with higher oxide proportion
- Increased grade in early years from Stage 2 Pit
- Stockpile lower grade through project life
- Feed low grade in years 3 and 11
- Further value can be added through FS
  - Scheduling
  - Staging
  - Pit slope revision
  - Grind size trade-off
  - Power cost
- Review inclusion of Central Bore & Attila in GOR LOM



### **PFS Financial Performance**

- <A\$850/oz (US\$620)¹ AISC years 1-2</li>
- Project highly leveraged to gold price
  - o ~\$450M EBITDA years 1-2 at A\$1,500/oz
  - o ~\$550M EBITDA years 1-2 at A\$1,700/oz
- Projected lowest quartile producer
- Rapid project payback
  - o 42 month payback at A\$1,500/oz
  - o 27 month payback at A\$1,700/oz

### Annual EBITDA vs AISC – Gruyere PFS



<sup>1</sup> A\$:US\$ exchange rate A\$1:US\$0.73

## **Community and Employment**



Cultural awareness training — Yilka and Gold Road, Yamarna Exploration Camp L to R – HM (Yilka), Tony Shaw and Daniel Kerr (Indigenous Services Australia), enjoying fresh bush tucker

- FIFO workforce from Perth and/or Kalgoorlie
- Nearest local communities are Laverton and Cosmo Newberry
- Cosmo Newberry includes the Yilka people as the Traditional Owners of the land on which the Project is located, and with whom Gold Road is negotiating a Mining Agreement
- Gold Road is committed to maintaining a longterm relationship to ensure care for country in this important Indigenous region

# **Permitting and Approvals**

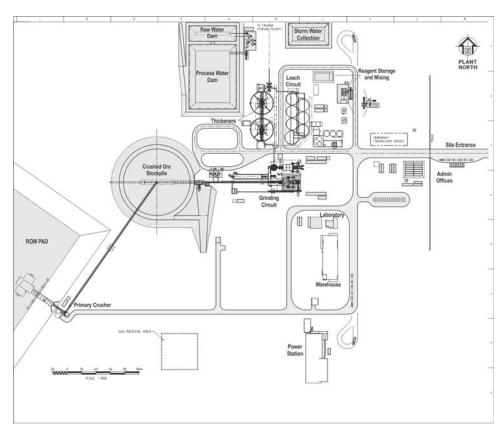
- Mining Lease Application M38/1267 submitted 2014, awaiting approval
- Reached in-principle agreement for commercial terms of Native Title Mining Agreement
- Gas pipeline, roads and borefields covered by Miscellaneous License Applications
- Environmental Permit applications to be submitted February 2016
- Gold Road expects to have all required licences and permits by completion of FS



Yilka representative – HM, Hon Bill Marmion, GOR Chairman – Ian Murray On site at Gruyere, July 2015

# **Gruyere Feasibility Study**

- Formally commenced Feasibility Study January 2016 appointed GR Engineering Services
- Certain technical work commenced in 2015, and is now complete:
  - Mineral Resource, Hydrogeological and Geotechnical Drilling
  - Metallurgical test work
  - o Infrastructure and environmental surveys
- Value engineering during FS has potential to add significant project upside;
  - o Review and update conservative geotechnical assumptions
  - o Refine mining cost assumptions based on physical quotes
  - o Power efficiency studies and renewable energy options
  - Detailed engineering design and construction options
  - Current decreasing cost environment in Australia
  - Potential Availability of pre-constructed plant or second hand infrastructure options
- Targeting completion of FS in H2 2016

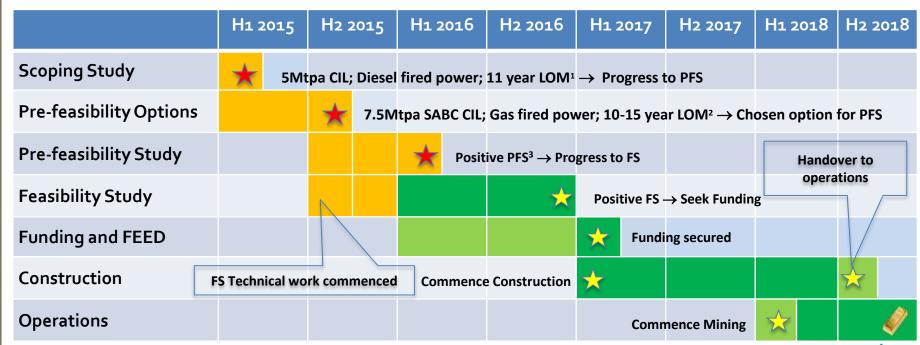


# **Gruyere Feasibility Study – Value Engineering**

| Area of<br>Focus                  | Description  | Potential Value Impact   | Status   |
|-----------------------------------|--|--|--|
| Geotechnical<br>review            | Increased level of knowledge for specific locations<br>Oxide material and the footwall shear structure<br>Increase pit slope angles                      | Lower strip ratio, increased ore recovery 10 improvement (steeper) in final pit wall slope angle reduces LOM operating cost by A\$50 million | 3,000 metre drill<br>programme complete.<br>FS level analysis in<br>progress |
| Gas vs Diesel<br>Power Generation | Current diesel prices show the delta between gas<br>and diesel power generation has reduced. Assess<br>options for final strategy on power combinations. | Power usage constitutes >40% of process related costs.   | Decision to be made by Aug16   |
| Power Efficiency<br>Studies       | Assess efficiency options through plant and site   | Power usage constitutes >40% of process related costs.  1% improvement >\$5M (undiscounted)  | FS – H1 2016   |
| Renewable Energy<br>Study         | Use of wind, solar, battery combinations.  | Power usage is >40% of process related costs.  Expose project to rapidly improving future technology Improve GOR sustainability performance  | FS – continue to monitor and assess renewable landscape.                     |
| Mine Design and Schedule          | Refine design and schedule based on new data   | Haul costs ~30% of LOM mining opex<br>5% improvement >\$15M (undiscounted)   | FS - H1 2016   |
| Mining Contractor<br>Rates        | Source contract rates via quotes. Current rates determined by first principal cost build up.   | Haul costs ~30% of LOM mining opex or \$336m. A 5% improvement would be \$17m undiscounted.  | FS – H1 2016   |
| Equipment<br>Sourcing             | Detailed definition of specifications Off-shore sourcing (eg China) Availability of near-new, low-hour equipment Early orders on long lead items         | Decrease capital cost of project and shorten project build time line.  | FS - 2016  |

### **Gruyere Development Project – Current Schedule**

**Commenced Feasibility Study – targeting gold production in 2018** 





Major planned decision points and milestones based on best case schedule



<sup>&</sup>lt;sup>1</sup> Gruyere Scoping Study - ASX announcement dated 27 January 2015

<sup>&</sup>lt;sup>2</sup> Gruyere PFS Options Study - ASX announcement dated 3 August 2015

<sup>&</sup>lt;sup>3</sup> Gruyere PFS - ASX announcement dated 8 February 2016

# **Exploration Update**

- 2016 Plan
- North Yamarna
- SYJV



# **Yamarna Exploration 2015**

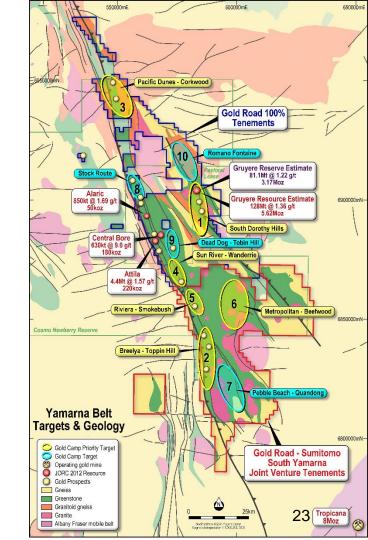
- Majority of activity through 2015 at Gruyere
  - RC and DD for May and September Resource updates
  - RC Measured drill-out for first 2 years production
  - Deep diamond drilling to assess depth potential
  - Infrastructure sterilisation Waste dumps, TSF, Process Plant

### North Yamarna Regional

- Wanderrie, Corkwood, and Monteith Regional programmes
- o Renegade Porphyry assessment
- Re-modelled Attila and Alaric Resources

### South Yamarna Regional

- Smokebush Dolerite and Toppin Hill discoveries
- RAB Interface and Airocre at Bluebell and Landmark.





### **Developing Gold Mines**

Gruyere FS

PFS Complete

Maiden Reserve 3.2 Moz

Gruyere Conceptual UG Central Bore High Grade UG Attila – Alaric Open Pits



### **Making New Discoveries**

Yam14 (South Dorothy Hills)
Supergroup (Wanderrie)
Washburn (Corkwood)
Renegade Porphyry (Attila Trend)
Toto (South Dorothy Hills)

Smokebush (SJYV)
Toppin Hill (SYJV)



### **Testing Gold Camps**

Ibanez AC (Corkwood)

East Dorothy Hills AC

Multiple Wanderrie Targets – AC

Corkwood Targets – AC

Yaffler (SYJV)
Metropolitan-Beefwood RAB (SYJV)
Bluebell RAB (SYJV)

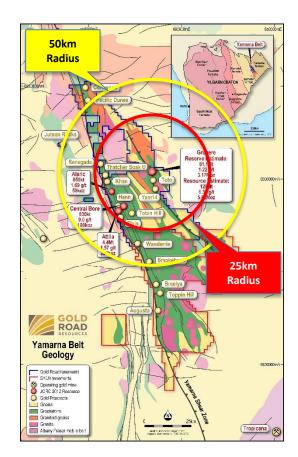
### **Drill Plan for 2016**

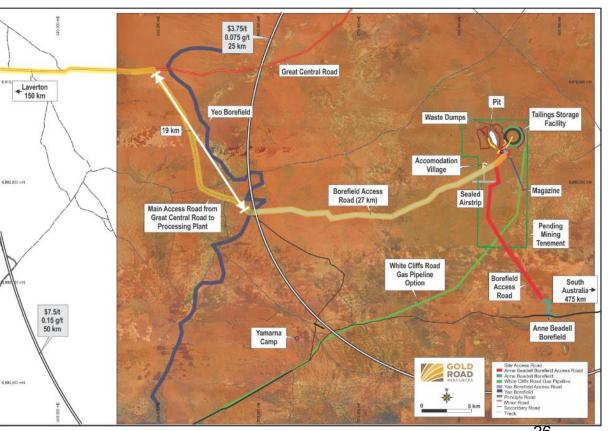
# Targeting New Discoveries – Developing New Resources H1 2016 H2 2016

### **Dorothy Hills Trend (inc Gruyere)**



# New discoveries can feed a Gruyere Mine





# Yamarna Exploration 2016

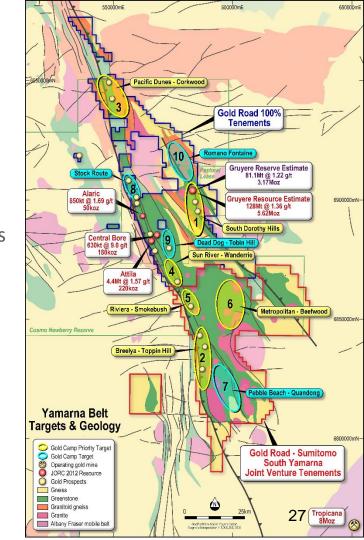
### Focus on discovery and definition of new resources.

#### North Yamarna

- Test and advance anomalies identified in 2015
  - Wanderrie Corkwood Renegade
- Continue early-stage testing of regional camp-scale targets
- Continually replenish the Project Portfolio

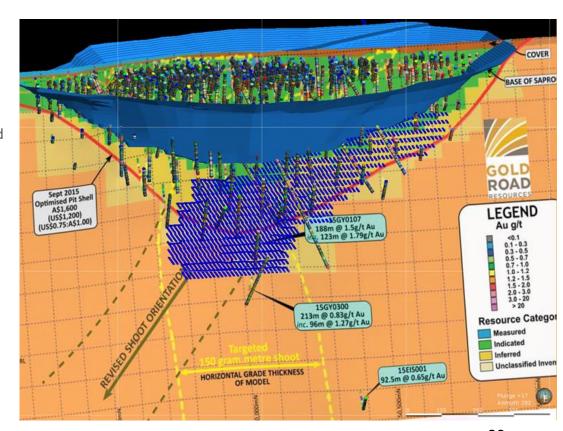
#### South Yamarna

- RC and DD test of Smokebush Yaffler Toppin Hill
- Follow-up testing of RAB-Interface anomalies
- Continually replenish the Project Portfolio



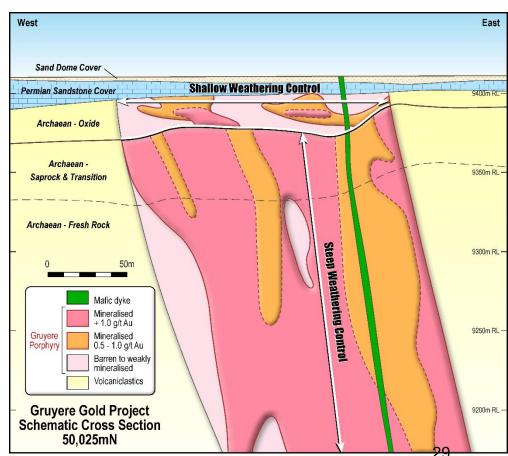
# **Gruyere Upside Potential**

- Measured drilling completed
  - Improved geological model
  - Model to be updated Q2 2016
  - o Anticipate 2 years production as Measured
- 2015 deep drilling confirmed continuation of mineralisation at depth
- Interpreted southerly plunging high grade shoot
- Continue testing late 2016



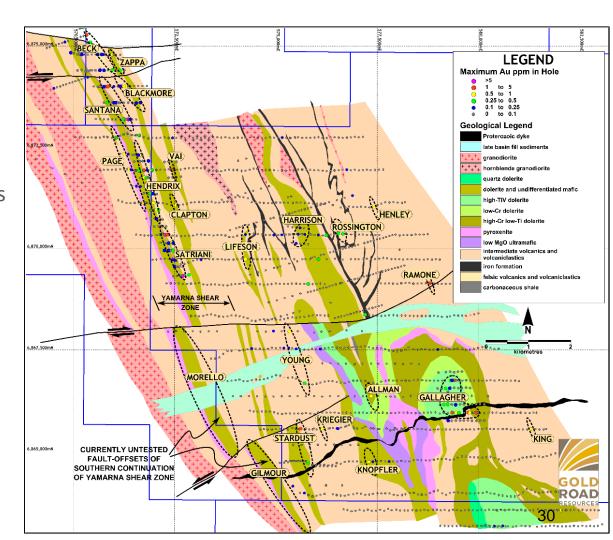
# **Gruyere Mineralisation Control Model**

- Measured drill-out confirmed:
  - Detailed understanding of cover profile
  - Horizontal shallow weathering control
  - Leached horizons above Saprock interface
  - Strong vertical control in fresh rock extends into Saprock-Transition zone
- Model to be updated Q2 2016
- Anticipate 2 years production as Measured
- Require additional Grade control in Oxide zone
- Minimal grade control drilling required below Saprock interface
- Interpreted southerly plunging high grade shoot
- Continued testing late 2016



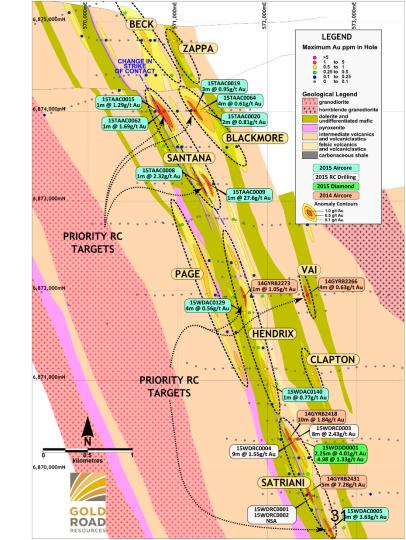
### Wanderrie

- 13km x 9 km Camp Target
- 22 Discrete targets defined
- Multiple >1 g/t assays across project
- Aircore testing of SouthernSupergroup continuation
- Continued aircore testing of early-stage targets



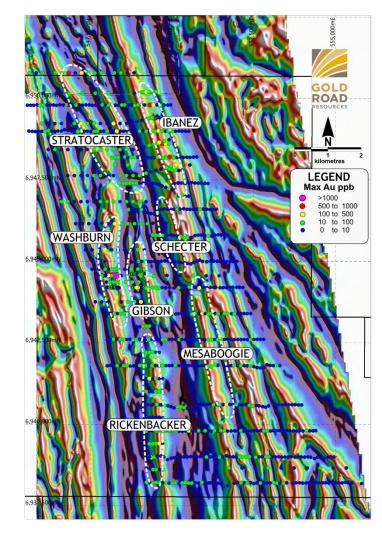
# **The Supergroup Anomaly**

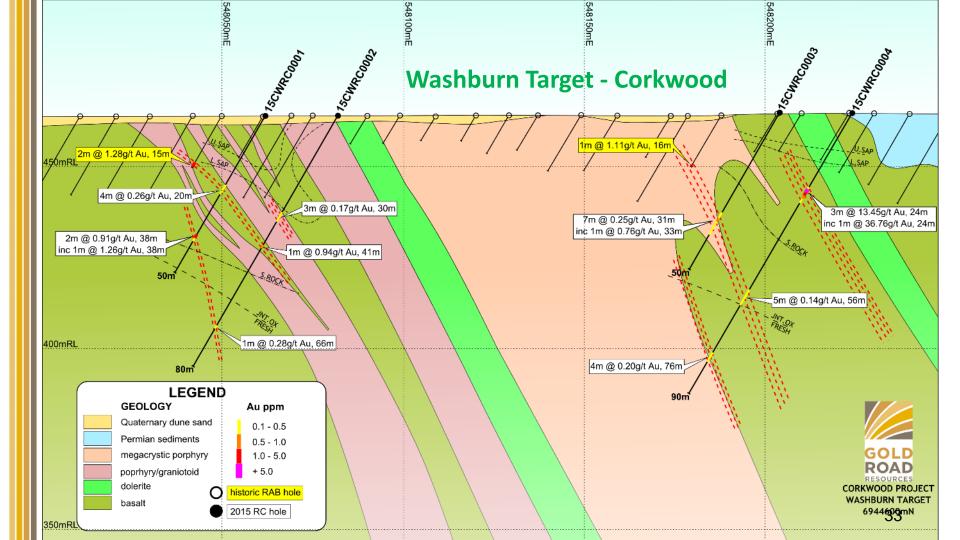
- 6km mineralised anomaly, multiple trends
- H1 2016 RC drill testing of Priority Targets:
  - Santana
  - Blackmore
  - Satriani
  - Vai
  - Hendrix
- Early DD testing to improve geological knowledge
- Best resultant targets will fast tracked to resource evaluation



### Corkwood

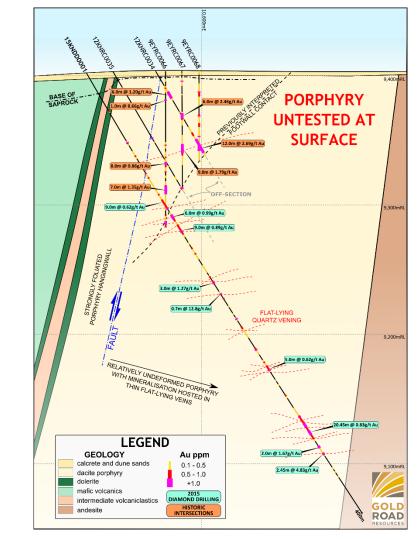
- 13km x 6km Camp Target over northern Yamarna
   Shear zone
- Six defined gold targets
- RC testing of Washburn bedrock mineralisation
- RC testing of Ibanez aircore anomalism
- Early DD test of Washburn and Ibanez mineralisation
- Continued aircore testing of northern extensions at
   Washburn and Ibanez
- First-pass follow-up aircore testing of Stratocaster and Mesaboogie





# Renegade (prev. Khan North)

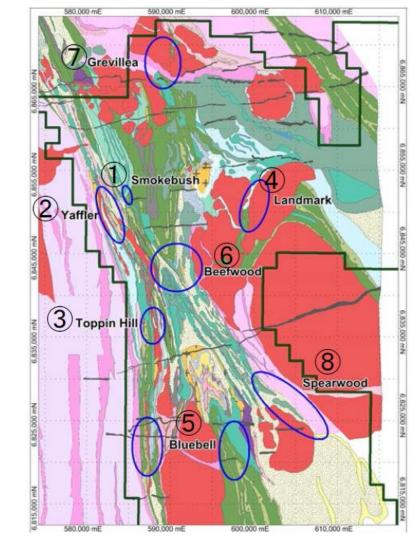
- 2 DD holes in 2015 identified a porphyry body significantly wider than previously interpreted
- Wide zones of mineralisation within porphyry
- Significant area at surface untested
- Follow-up RC and DD testing in 2016



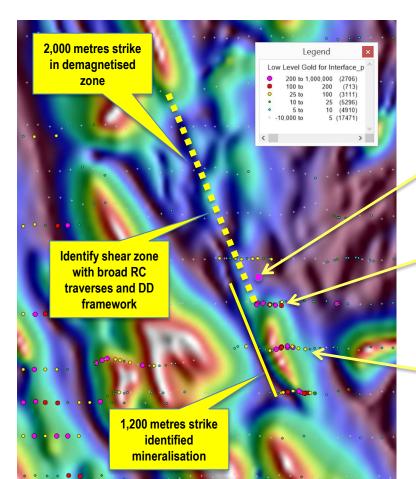
### **South Yamarna**

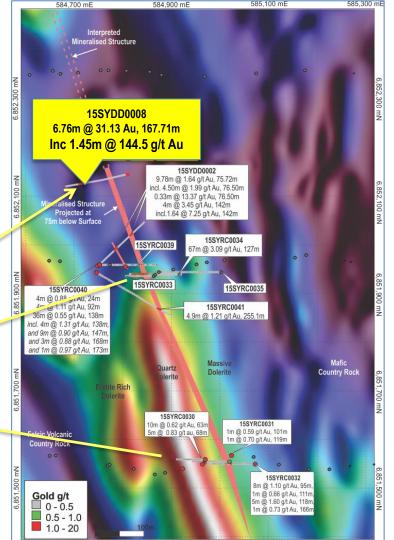
- Sumitomo Metal Mining (SMMO) A\$8M
   (US\$6M) JV spend to earn 50%
- SMMO to earn 50% in Q1 2016

- RC and DD testing of Smokebush Dolerite
  - Commence defining resource if successful
- Initial RC testing of aircore anomalism at Yaffler and Toppin Hill
- Aircore testing of RAB-Interface anomalism at Bluebell and Landmark



#### **Smokebush Dolerite**







# THANK YOU

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### Appendices 1 to 6

- Competent Persons Statement
- Mineral Resource Statement
- Ore Reserve Statement
- PFS Metallurgy
- PFS Cost Breakdowns
- Geology and Exploration



#### **Appendix 1: Competent Person Statement**

The information in this report which relates to Exploration Results is based on information compiled by Mr Justin Osborne. The information in this report that relates to the Mineral Resource Estimation for Gruyere is based on information compiled by Mr Justin Osborne, Executive Director for Gold Road and Mr John Donaldson, Principal Resource Geologist for Gold Road. Mr Osborne is an employee of Gold Road, as well as a shareholder and share option holder, and is a Fellow of the Australasian Institute of Mining and Metallurgy (FAusIMM 209333). Mr Donaldson is an employee of Gold Road as well as a shareholder, and is a Member of the Australian Institute of Geoscientists and a Registered Professional Geoscientist (MAIG RPGeo Mining 10147). Messrs Osborne and Donaldson have 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 Competent Persons as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Messrs Osborne and Donaldson consent to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The information in this report that relates to the Mineral Resource Estimation for Attila Trend is based on information compiled by Mr Justin Osborne, Executive Director for Gold Road, Mr John Donaldson, Principal Resource Geologist for Gold Road and Mrs Jane Levett, Senior Resource Geologist for Gold Road. Mr Osborne is an employee of Gold Road, as well as a shareholder and share option holder, and is a Fellow of the Australasian Institute of Mining and Metallurgy (FAusIMM 209333). Mr Donaldson is an employee of Gold Road as well as a shareholder, and is a Member of the Australian Institute of Geoscientists and a Registered Professional Geoscientist (MAIG RPGeo Mining 10147). Mrs Levett is a part time employee of Gold Road, and is a Member of the Australasian Institute of Mining and Metallurgy and a Chartered Professional (MAusIMM CP 112232). Messrs Osborne and Donaldson and Mrs Levett have 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 Competent Persons as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Messrs Osborne and Donaldson and Mrs Levett consent to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The information in this report that relates to the Mineral Resource Estimation for Central Bore is based on geostatistical modelling by Ravensgate using sample information and geological interpretation supplied by Gold Road. The Mineral Resource estimates were undertaken by Mr Craig Harvey, previously Principal Consultant at Ravensgate and Mr Neal Leggo, Principal Consultant at Ravensgate. Messrs Harvey and Leggo are both Members of the Australian Institute of Geoscientists. Messrs Harvey and Leggo have sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking 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." Messrs Harvey and Leggo consent to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not materially changed from the original market announcement.

The information in this report that relates to Ore Reserves is based on information compiled by David Varcoe of AMC Consultants, a competent person who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Varcoe has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity currently 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'. Mr Varcoe consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

#### **Appendix 2: Mineral Resource Table**

| Project Name                               | Tonnes<br>(kt) | Grade<br>(g/t Au) | Contained Metal<br>(koz Au) |
|--|----------------|-------------------|-----------------------------|
| Gruyere <sup>1</sup> (2015) (0.7 g/t)      | 128,381        | 1.36              | 5,616                       |
| Measured                                   | 1,585          | 1.41              | 72                          |
| Indicated                                  | 93,485         | 1.35              | 4,050                       |
| Inferred                                   | 33,312         | 1.40              | 1,495                       |
| Central Bore <sup>2</sup> (2013) (1.0 g/t) | 632            | 9.00              | 183                         |
| Measured                                   | 43             | 26.5              | 37                          |
| Indicated                                  | 400            | 9.0               | 116                         |
| Inferred                                   | 188            | 5.0               | 31                          |
| Attila Trend <sup>3</sup> (2015) (0.7 g/t) | 5,301          | 1.59              | 270                         |
| Measured                                   | 661            | 1.96              | 42                          |
| Indicated                                  | 3,852          | 1.52              | 189                         |
| Inferred                                   | 787            | 1.59              | 40                          |
| Total Mineral Resource                     | 134,313        | 1.41              | 6,070                       |

#### NOTES:

- 1. Gruyere Mineral Resource reported to JORC 2012 standards, at 0.70 g/t Au cut-off (refer ASX announcement dated 16 September 2015).
- Attila Trend Mineral Resource (including Attila South and Alaric 3) reported to JORC 2012 standards, at 0.70 g/t Au cut-off (refer ASX announcement dated 16 September 2015).
- 3. Central Bore Mineral Resource reported to JORC 2012 standards, at 1.0 g/t Au cut-off (refer GOR Annual Report dated 15 October 2014).

All figures are rounded to reflect appropriate levels of confidence. Apparent differences may occur due to rounding.

#### **Appendix 3: Gruyere Ore Reserve Table**

| Ore Reserve Category | Tonnes<br>(Mt) | Grade<br>(g/t Au) | Contained Metal<br>(Moz Au) |
|----------------------|----------------|-------------------|-----------------------------|
| Proved               | 1.6            | 1.32              | 0.07                        |
| Probable             | 79.6           | 1.21              | 3.11                        |
| Total Ore Reserve    | 81.1           | 1.22              | 3.17                        |

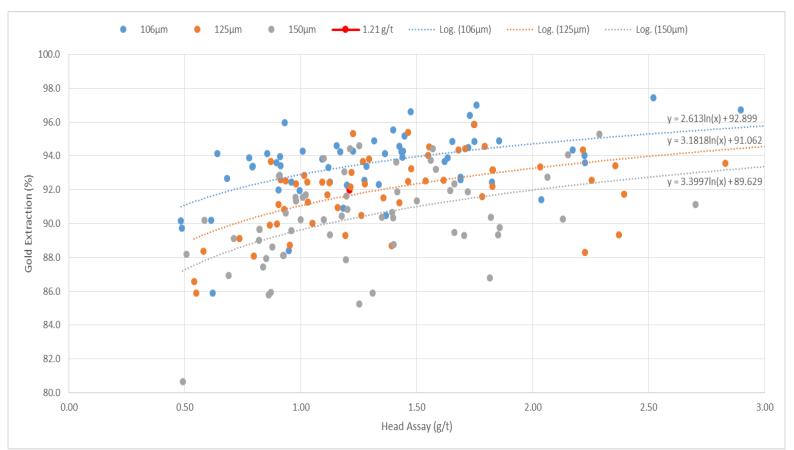
#### NOTES:

- 1. The Ore Reserve conforms with and uses JORC 2012 definitions
- 2. The Ore Reserve is evaluated using a gold price of A\$1,400/oz (US\$1,022/oz @ US\$0.73:A\$1.00)
- 3. The Ore Reserve is evaluated using an average cut-off grade of 0.5 g/t
- 4. Ore block dilution averages 4.3%, Ore block ore loss is estimated at 3.4%
- All figures are rounded to reflect appropriate levels of confidence. Apparent differences may occur due to rounding

## **Appendix 4: Gruyere PFS Metallurgical Recoveries**

| Rock Type  | Grind Size (um) | Annualised Mill<br>Throughput (Mtpa) | Processing Operating Cost (A\$/t) | Au Plant Recovery (%)    | Maximum recovery |
|------------|-----------------|--------------------------------------|-----------------------------------|--------------------------|------------------|
|            | 106             | 8.30                                 | \$14.54                           | 94.0                     |                  |
| Oxide      | 125             | 8.80                                 | \$14.19                           | 93.0                     |                  |
|            | 150             | 8.80                                 |                                   | 92.0                     |                  |
|            | 106             | 7.60                                 | \$15.98                           | 93.0                     |                  |
| Transition | 125             | 8.00                                 | \$15.53                           | 92.0                     |                  |
|            | 150             | 8.50                                 |                                   | 91.0                     |                  |
|            | 106             | 7.10                                 | \$17.04                           | y = 2.613*In X +92.1999  | 96.0%            |
| Fresh      | 125             | 7.50                                 | \$16.54                           | y = 3.1818*In X +90.362  | 94.5%            |
|            | 150             | 7.50                                 |                                   | y = 3.3997*In X + 88.929 | 93.0%            |

#### **Gruyere PFS Metallurgical Grade Recovery Regression**

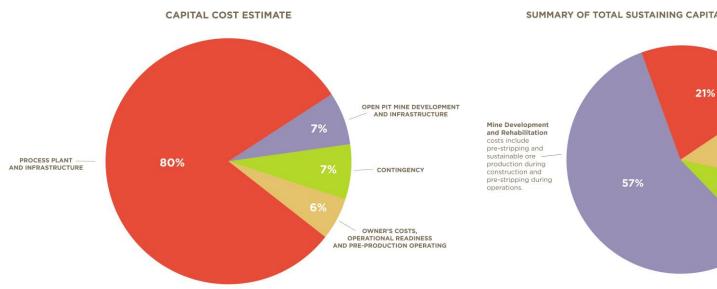


# **Gruyere PFS Comminution Data**

| Rock type                 |         | UCS<br>(Mpa) | Rwi<br>(kWh/t) | BWi<br>(kWh/t) | Ai (g) | Axb  | SG   |
|---------------------------|---------|--------------|----------------|----------------|--------|------|------|
| Oxide (1 composite)       | Average | 2.4          | n/a            | 18.5           | n/a    | 58   | 2.51 |
| Saprock (7 composites)    | Average | n/a          | 12.3           | 14.5           | 0.20   | 48.2 | 2.59 |
| Transition (6 composites) | Average | 47.3         | 18.4           | 15.7           | 0.38   | 46.2 | 2.62 |
| Fresh (19 composites)*    | Minimum | 134.3        | 20.4           | 13.2           | 0.42   | 28.0 | 2.53 |
|                           | Maximum | 269.0        | 21.6           | 19.3           | 0.56   | 48.6 | 3.10 |
|                           | Average | 182.3        | 21.3           | 18.3           | 0.50   | 35.6 | 2.69 |

<sup>\*</sup>The fresh ore is classified as Moderately Hard to Hard based on the resistance to impact breakage (JK Axb parameter). The BBWi Index is 18.3 kWh per tonne and the ore is considered highly abrasive (Ai of 0.5). The UCS data is also high supporting the indication of high resistance to impact breakage.

# **Appendix 5: Gruyere PFS Capital Breakdown**



#### SUMMARY OF TOTAL SUSTAINING CAPITAL COST BY MAJOR AREA

**Process Plant** and Infrastructure costs include the replacement of light vehicles and mobile equipment (non-mining) and sustaining works for all mechanical equipment.

TSF

Contingency

the total contingency has been estimated by applying 10% to the total sustaining capital.

includes all staged

expansion of the TSF.

There are six stages

in total that will be

undertaken during the

LOM where Stage 1 of the

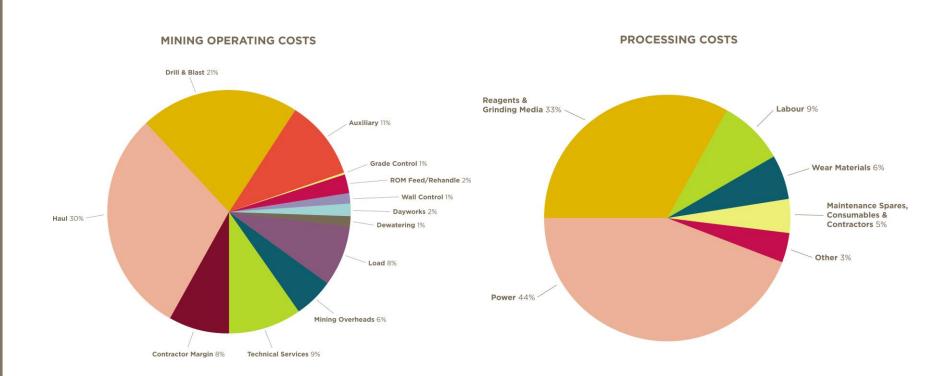
TSF has been captured as

part of the development

Stages 2 to 6 have been included as part of sustaining capital.

capital cost estimate.

### **Appendix 5: Gruyere PFS Operating Cost Breakdown**



### **Appendix 6: Geology**

Gruyere advanced from Target to PFS in 18 months

Gruyere FS
Central Bore PFS

Gruyere

2018

Attila South & North Alaric 1,2 & 3 Khan, Renegade Justinian Thatcher Soak Uranium

South Dorothy Hills – Yam14, Toto

Pacific Dunes-Corkwood – Washburn

Wanderrie – Supergroup Targets

Attila Trend – multiple other prospects

South Dorothy Hills – Monteith, Toto, YAM14, MCS

Pacific Dunes-Corkwood – 6 Au Targets, 1 Ni Target

Sun River-Wanderrie - 22 Targets

Attila Trend - 30km anomalous trend

South Dorothy Hills – active programmes

Pacific Dunes-Corkwood – active programmes

Sun River-Wanderrie – active programmes

Attila Trend, Tobin Hill, Stock Route, Romano

**Gold Mines** 

Advanced Studies & Reserves

**Resources** 

Prospects
(Ore Grade Intercepts)

Geochemical Anomalies

Camp Targets Smokebush Dolerite
Toppin Hill South

Riviera-Smokebush – active programmes Breelya-Toppin Hill - active programmes Metropolitan-Beefwood – active programme

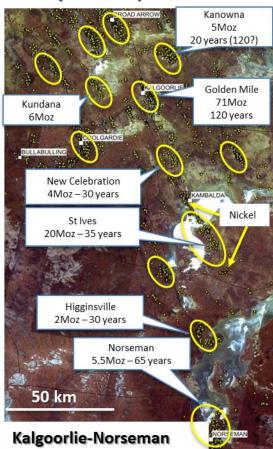
Riviera-Smokebush – active programmes Breelya-Toppin Hill - active programmes Metropolitan-Beefwood – active programmes Pebble Beach-Quandong, Bluebell

**NORTH YAMARNA PROJECT** 

SOUTH YAMARNA JOINT VENTURE

#### Belt Endowment - Kalgoorlie vs Laverton vs Yamarna

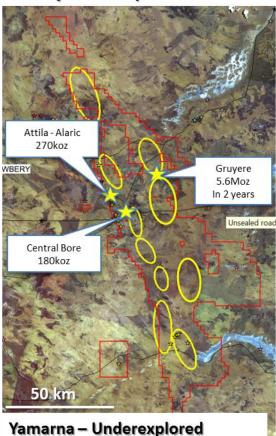
120 years of exploration



120 years of exploration



20 years of exploration

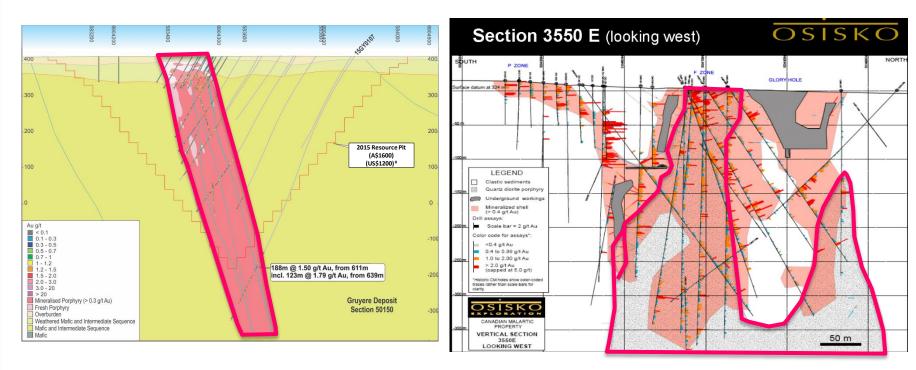


# **Canadian Malarctic – A Gruyere Analogue?**

|  | c volcanics  phyry  one with secondary dextral events  te-albite with quartz-carbonate veining | Quartz Monzodiorite porphyry  Clastic sediments (Pontiac Group)  30% in Porphyry, 70% in Pontiac Group sediments  Cadillac Break with secondary dextral events  |
|--|--|---|
| Mineralisation host 100% in Gruyere Porp Primary Structural feature Dorothy Hills Shear Zo | ohyry one with secondary dextral events te-albite with quartz-carbonate veining                | 30% in Porphyry, 70% in Pontiac Group sediments Cadillac Break with secondary dextral events  |
| Primary Structural feature Dorothy Hills Shear Zo  | one with secondary dextral events te-albite with quartz-carbonate veining                      | Cadillac Break with secondary dextral events  |
|  | te-albite with quartz-carbonate veining  |   |
|  |  | Development ( foldonous bilatita continuo menta ( 200)  |
| and silica-albite overp  | pyrrhotite-arsenopyrite (<5%)  | <b>Porphyry:</b> K-feldspar-biotite-calcite-pyrite (<3%) and pervasive silica overprint <b>Sediments:</b> biotite-K-feldspar-calcite-pyrite (<5%) and stage pervasive silica-albite overprint   |
| Gold location Free milling fine gold,  | 40-50% gravity recovery  | Fine gold in pyrite and as tellurides   |
|  | l Resource – Gold Road<br>5.62 Moz at 0.7 g/t cut-off  | September 2008 M&I Resource - Osisko<br>125.5 Mt @ 1.48 g/t for 5.97 Moz at 0.7 g/t cut-off   |
| Reserve PFS 2016 (A\$1400/oz 81.1Mt @ 1.22 g/t, 3. Cut-off grade 0.5 g/t                   |  | December 2008 Reserve (US\$775/oz) – Osisko<br>183.3 Mt @ 1.07 g/t for 6.28 Moz at 0.36 g/t cut-off<br>~ 155 Mt @ 1.28 g/t for 5.96 Moz at 0.5 g/t cut-off<br>March 2011 Reserve (US\$1000/oz) – Osisko<br>343.7 Mt @ 0.97 g/t for 10.7 Moz |
| Strip Ratios <b>PFS 2016 (A\$1400/oz</b> 3.0:1 at 0.5 g/t cut-off                          | z) (US\$1022/oz*)  – Gold Road<br>f  | December 2008 Reserve (US\$775/oz) – Osisko<br>1.8 at 0.36 g/t cut-off or 2.3 at 0.50 g/t cut-off   |
| Recovered Grade Fresh rock: 91% at 12.   | 5um grind, 1.21 g/t head grade   | Fresh rock: 85.9% in 2008 Feasibility Study 49  |

<sup>\*</sup> Exchange Rate US\$0.73:A\$1.00

# **Canadian Malarctic – A Gruyere Analogue?**



Gruyere cross section (left) at 50% scale of Malarctic cross section (right). Note 100% of mineralisation at Gruyere situated within porphyryr, compared to 70% in sediments at Malarctic. The Malarctic Porphyry shows multiple "dykes" extending off a deeper pluton stock. The Gruyere Porphyry might represent the dyke in a higher relative position to a pluton at more depth.