

# **Gruyere – New Discovery In A Final Frontier**

Precious Metals Summit, Hong Kong - 29 & 30 May 2014



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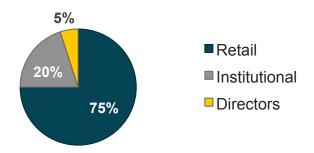


## **Corporate Summary**

#### 12 month share price & volumes



#### **Shareholders**



- As at 30 April 2014 shareholders ~ 6,300
- Van Eck ~ 6%
- JV with Sumitomo Metal Mining w.e.f. 2013

#### **Directors & Management**

Ian Murray Executive Chairman
Ziggy Lubieniecki Executive Director

Russell Davis Non-exec Director (Founding)

Martin Pyle Non-exec Director

Kevin Hart Company Secretary

Gordon Murray Business Development Manager

Justin Osborne Exploration Manager

Shaun Richardson Exploration Services Manager

Sharon Goddard Business Services Manager

#### **Corporate snapshot**

ASX Code GOR
Issued Shares (undiluted) 514M\*
Performance Rights 2.2M\*
Unlisted Options 21M\*
Share Price A\$0.16#
Average daily volume ~1M
Market Cap ~A\$80M

Market Cap ~A\$80M# Cash \$14M\*

<sup>\*</sup> As at 31 March 2014 # As at 22 May 2014



# Yamarna Highly Prospective – Underexplored

- Ownership of almost the entire Yamarna Belt
  - ~4,900 km² tenement holding
- Geologically similar to Kalgoorlie Terrane
- First gold identified in 1990's
- First company to systematically explore
- More than 100 gold targets identified
- JORC Resource of >1.3Moz Au\*, so far
- Exploration JV with Sumitomo Metal Mining over South Yamarna
- Significant discovery of Gruyere in 2H 2013

GOLD ROAD'S YAMARNA BELT ?? MILLION OUNCES LAVERTON BELT > 40 MILLION OUNCES DUKETON BELT > 8 MILLION OUNCES LEONORA WILUNA BELT Last major > 40 MILLION OUNCES discoveries **KALGOORLIE** NORSEMAN BELT MURCHISON 35 MILLION SOUTHERN CROSS BELT TROPICANA PROJECT Perth BODDINGTON >20 MILLION OUNCES ENDOWMENT



# Targeting World Class Deposits Quality Area Selection

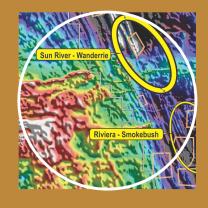
# **Targeting Methodology**



#### **Basin Targeting**

By Dr J Hronsky 2012

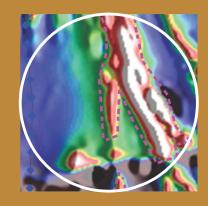
Identified Camp Scale targets



# Structural Targeting

By PGN Geoscience & Dr R Bateman 2012

Depositional sites



**Redox Targeting** 2013

**Chemical Deposition** 

Integration of Targeting Tools
Break-through in geological knowledge



# **Targeting World Class Deposits**

**Quality Area Selection** 

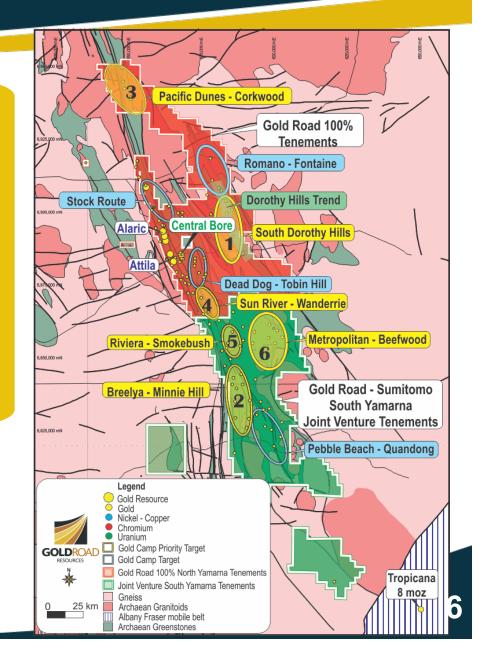
# **Camp Scale Targets** *GOR Targeting*

#### **Priority Exploration Sites**

- Massive reduction in areas of most interest
- Multiple Camp Targets over 200km strike
- Equivalent distance from Norseman to Paddington in Kalgoorlie Terrane (>150 Moz Endowment)

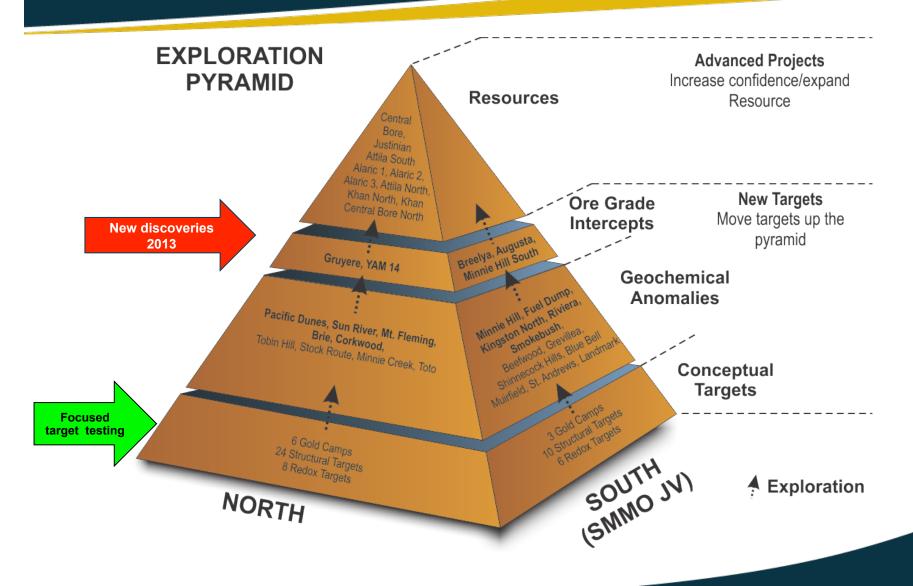
High Priority Camps for immediate testing



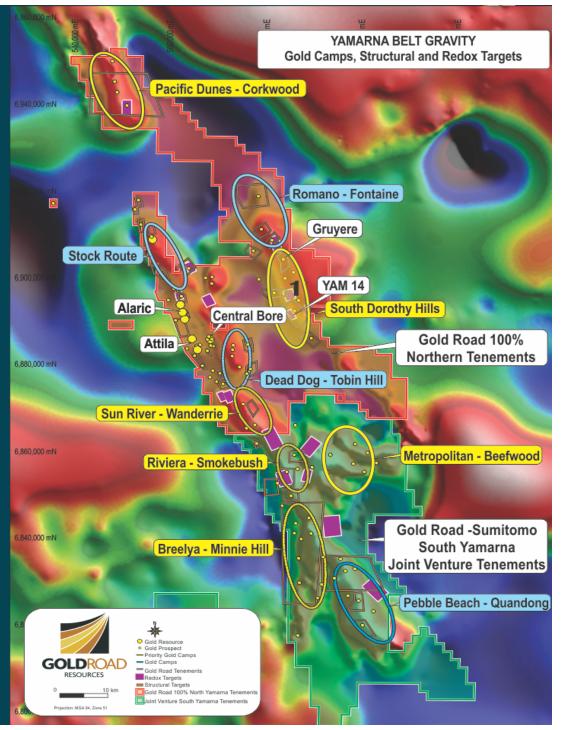




# Improving the Portfolio Quality

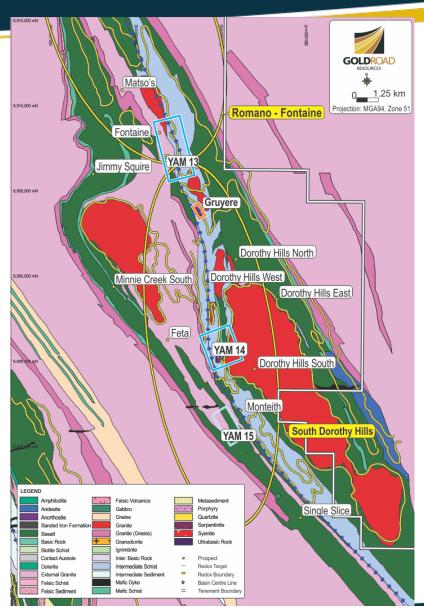


# First Camp Tested: South Dorothy Hills





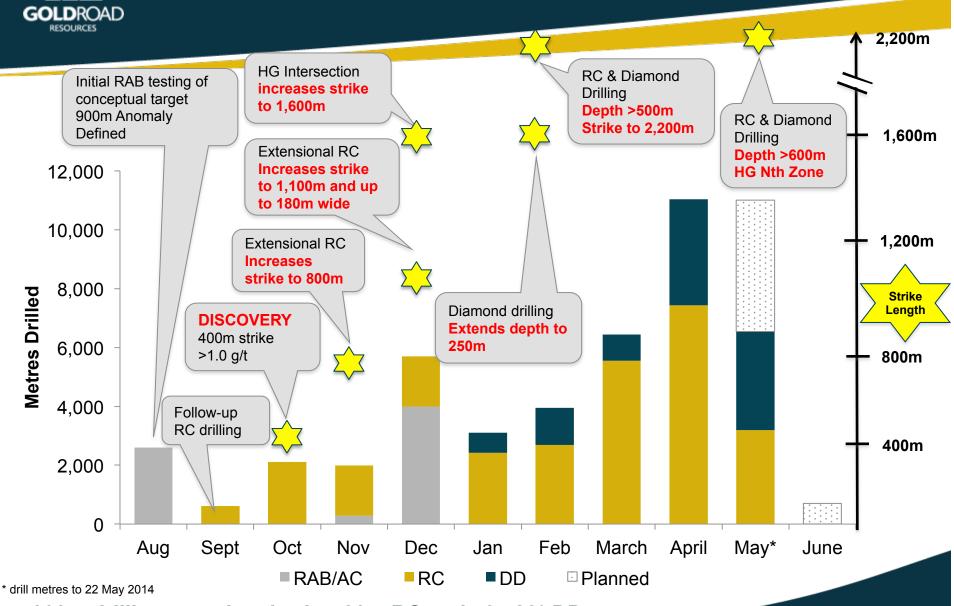
## **Dorothy Hills Trend – A Regional Play**



- 25km east of Central Bore
- Majority in GOR pastoral lease
- Regional shear at "Centre of Basin"
- Multiple targets identified
  - Gruyere Structural Target
  - ➤ YAM14 Structural/Redox Target
  - > 9km apart on Dorothy Hills Shear Zone
- Gruyere discovery\*
  - 2,200m strike length of 1.2 to 52 g/t gold mineralisation
  - Horizontal width from 25m to 180m.
  - > From 1m below surface to >600m depth
  - > Open at depth
- YAM14\*
  - 300m strike length, to 80m depth
  - Shallow supergene over intrusive



# **Gruyere – Discovery Timeline**

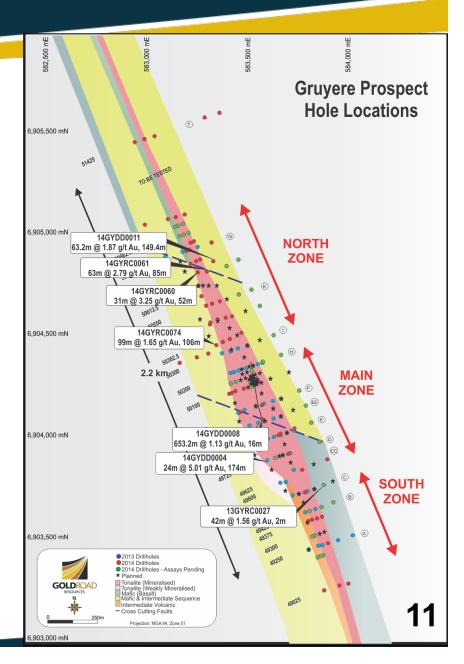




## **Gruyere – Geology Plan**

#### **Geology and Dimensions**

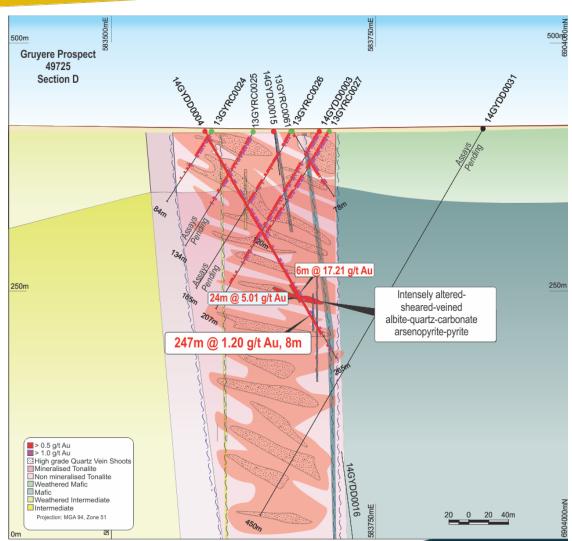
- Strike length 2,200m
- Main mineralised zone over 1,800m strike
- Horizontal width 25m to 180m
- Gold intercepted from 1m below sand cover to 600m vertical
- Remains open at depth
- High Grade North Zone grade from 1.6 to 3.4 g/t Au
- Main Zone Moderate grade, very wide (average 140m)
- South Zone Moderate grade, very shallow (<3m cover)</li>





## **Gruyere – Geological Model**

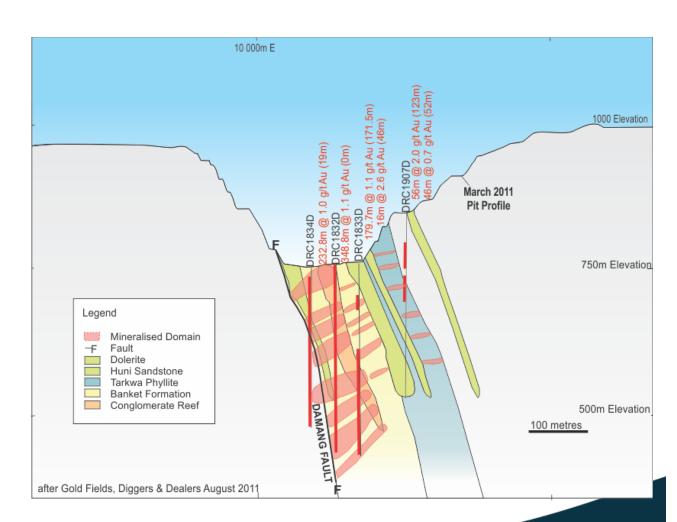
- Porphyry host rock
- Mafic and intermediate volcanics as country rocks
- Porphyry intruded shear zone
- Major reverse shear
- Internal mafic rafts and dykes
- Porphyry undergoes brittle fracture
- Mineralisation
  - Flat east-dipping 'lode' zones
  - Background disseminated sericite-pyrite alteration
  - Gold occurs in chlorite-sulphide and biotitesulphide stylolites
  - Highest grades associated with biotitealbite alteration phases and discrete lode structures
  - Sulphides are accessory and nonrefractory





# **Gruyere Analogue – Damang (Ghana)**

- Structural look-alike
- Steep shear zone
- Flat stacked lodes
- >10Moz Endowment
- >5Moz produced
- >10 Years mining
- Peak production:5.2 Mtpa for >200koz





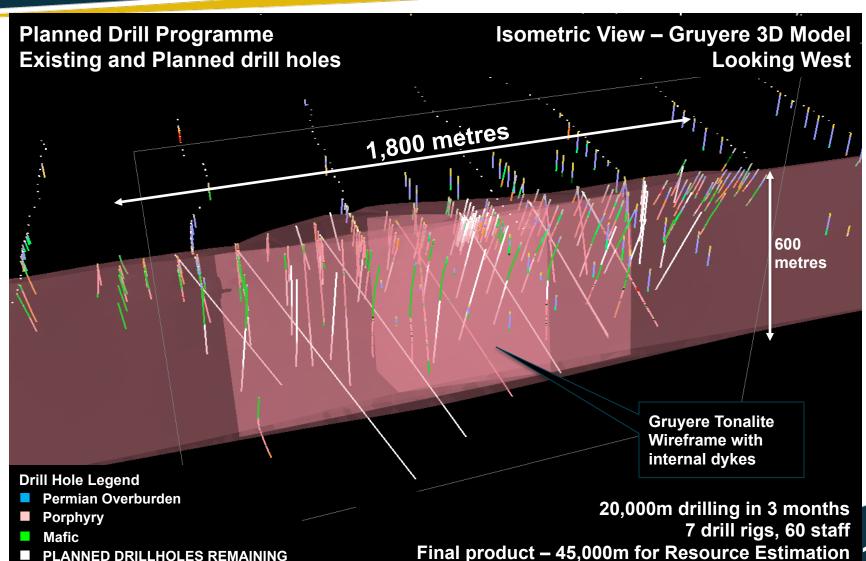
# On the road to Gruyere



Drill location signs for safety purposes, identifying the direction to the seven active drilling rigs at Gruyere



# **Gruyere – Resource Drill Programme**





# **Gruyere – Project Development Status**

| Study Element                    | Status   |  |  |  |
|----------------------------------|--|--|--|--|
| Metallurgical                    | <ul> <li>Total recoveries of ~94% to 98% at 75 to 125µm grind</li> </ul>               |  |  |  |
|                                  | <ul> <li>Gravity recoveries from ~50% to 69%</li> </ul>                                |  |  |  |
|                                  | Rapid leach kinetics   |  |  |  |
|                                  | Bottle roll test work suggests heap leach potential                                    |  |  |  |
| Environmental                    | <ul> <li>Level 1 Flora and Fauna Survey field work complete.</li> </ul>                |  |  |  |
| Geotechnical                     | <ul> <li>Logging and data acquisition progressing.</li> </ul>                          |  |  |  |
| Hydrological                     | <ul> <li>Production water bores developed and licenced</li> </ul>                      |  |  |  |
| Native Title                     | Central Bore Draft Mining Agreement in progress.                                       |  |  |  |
| Mining Engineering               | <ul> <li>Conceptual Operating and Capital cost structures<br/>under review.</li> </ul> |  |  |  |
| Mine Optimisation and Scheduling | Mining parameters under review.  |  |  |  |
|                                  | First pass conceptual optimisations complete   |  |  |  |



# **Gruyere – Going Forward**



#### Q2 2014

- Finalise RC and Diamond drilling
- Initial metallurgical testing completed

#### Q3 2014

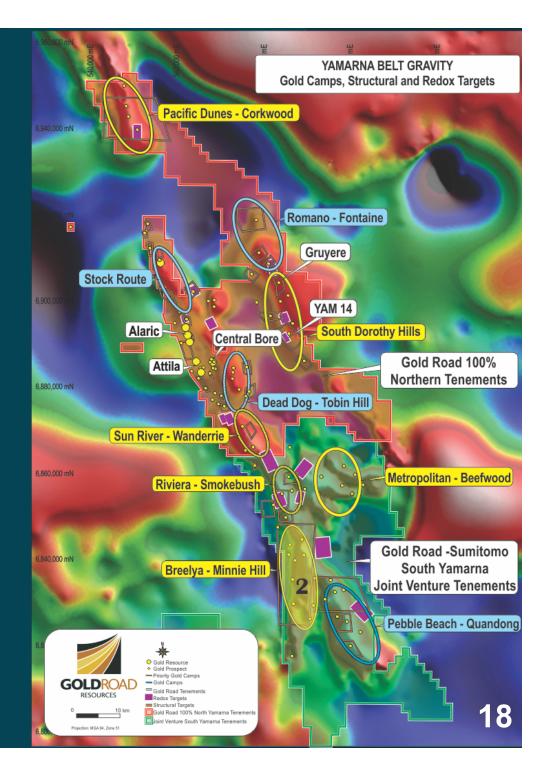
- Maiden Resource Estimate
- Complete conceptual mining studies
- Commence Scoping Studies
- Next phase Resource Infill Drilling

#### Q1 2015

- Finalise Scoping Studies
- Progress to PFS if positive

# Second Camp Tested: Breelya-Minnie

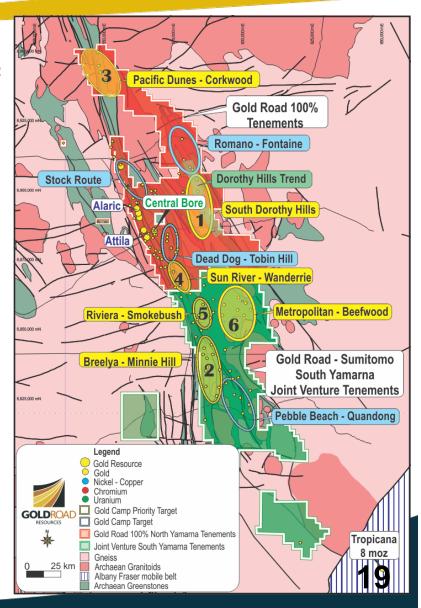
Hill





## **Sumitomo Metal Mining JV**

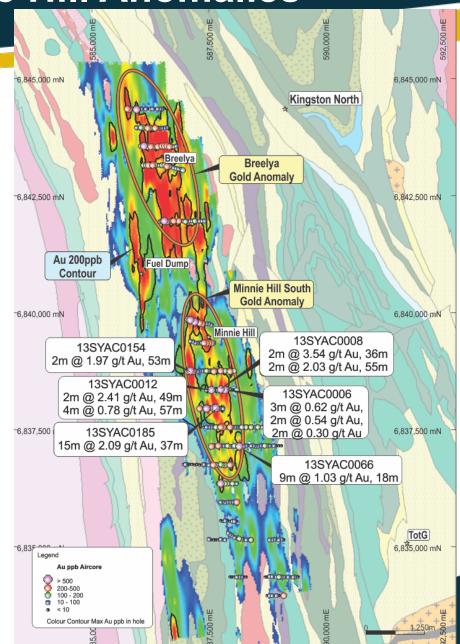
- South Yamarna JV Tenements cover ~ 2,800km²
- Minimum expenditure \$3.5m prior to end 2014
- Earn a percentage interest in these tenements:
  - > \$5m spend = 30%
  - > \$8m spend = 50%
- Gold Road is Manager during Earn-In period
- SMMO focus: discovery of World Class targets
- Tested one Priority Camp in 2013
  - Discovered two Regional Scale anomalies
- Putting money into Gold Roads projects





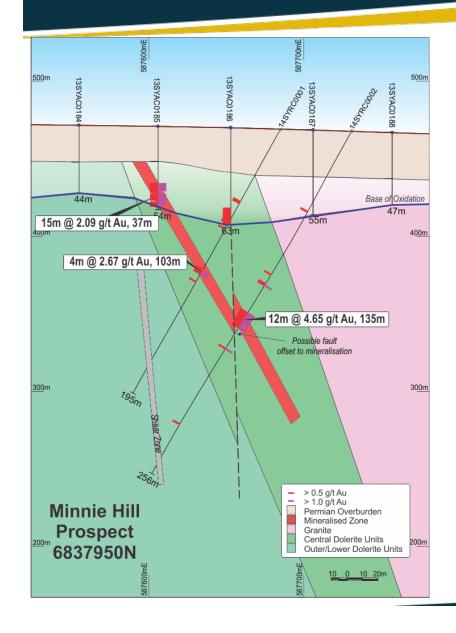
# **Breelya – Minnie Hill Anomalies**

- Two 4km x 500m gold anomalies identified
  - Breelya and Minnie Hill South
- Minnie Hill South related to dolerites
- Breelya in complex shear
- Best aircore intercepts from 2013 drilling\*
  - > 15m @ 2.09 g/t Au from 37m
  - > 9m @ 1.03 g/t Au from 18m
  - 2m @ 3.54 g/t Au from 36m
  - > 2m @ 2.03 g/t Au from 55m
  - > 2m @ 2.41 g/t Au from 49m
  - > 4m @ 0.78 g/t Au from 57m
  - 2m @ 1.97 g/t Au from 53m
- Two more camps to be tested in 2014
  - Riviera-Smokebush
  - Metropolitan-Beefwood





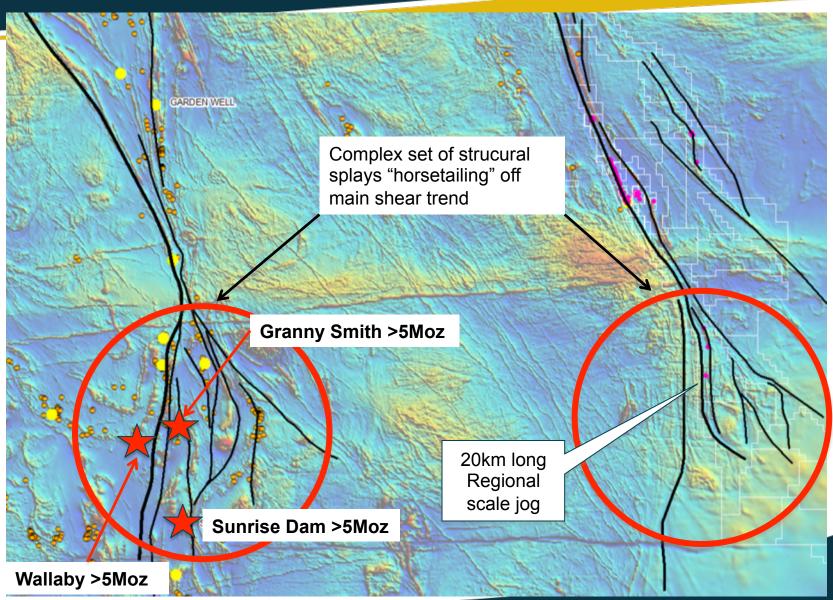
# Minnie Hill South New High Grade Discovery



- First RC completed May 1,200 metres
- Significant Intersections
  - 12 metres @ 4.65 g/t Au from 135 metres (14SYRC0002)
  - 4 metres @ 2.67 g/t Au from 103 metres (14SYRC0001)
  - 4 metres @ 2.72 g/t Au from 113 metres (14SYRC0004)
- Intersected shear zone in dolerite host
- First identification of differentiated dolerite at Yamarna
  - Similar host rocks to major Yilgarn gold deposits – Golden Mile, St Ives
- Follow-up RC planned 4,000 to 5,000 metres



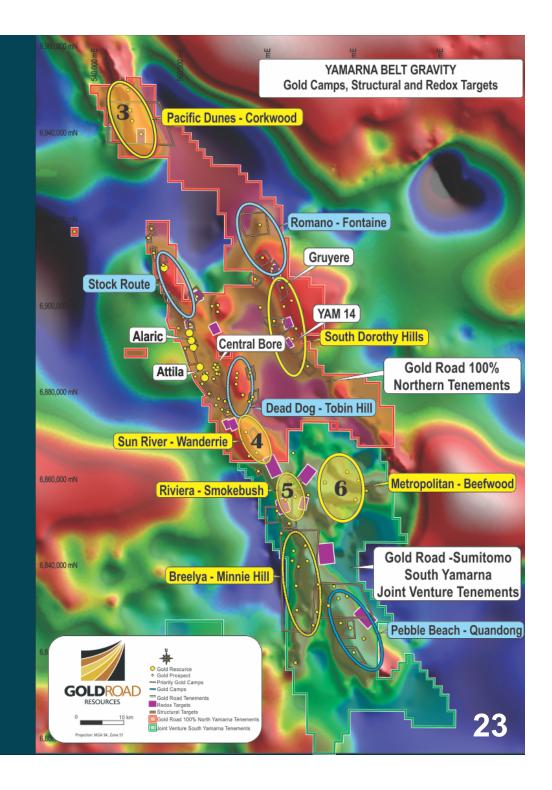
# Breelya-Minnie Hill Analogue: Laverton Terrane



# Other Regional Exploration 2014/2015

'Regenerating the portfolio'

- Pacific Dunes-Corkwood
- **■**Sun River-Wanderie
- Riviera-Smokebush
- Metropolitan-Beefwood





### **Put Into Perspective**

- ~4,900km² under-explored gold region
- Strong comparison to Kalgoorlie Belt.....
  - ..... where exploration commenced in 1880s
- Systematic exploration at Yamarna.....
  - .... only commenced in 2009
- 10 Gold Camp Targets identified
- 100 prospects identified across tenements
- Breakthrough discoveries on Dorothy Hills Trend
- Earn-in Joint Venture over South Yamarna with Sumitomo Metal Mining
- New high grade discovery on JV project area
- 1.3 million ounces of reported gold resource\*
- Potential remains massive and untapped

The information in this report which relates to Exploration Results or Mineral Resources is based on information compiled by Mr Justin Osborne, Exploration Manager for Gold Road Resources Limited. Mr Osborne is an employee of Gold Road Resources Limited and both a shareholder and option holder, and is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Osborne 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". Mr Osborne consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

Competent Person's Statement for Exploration Results included in this report that were previously reported pursuant to JORC 2004:

This information has not been updated to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported. The information in this report which relates to Exploration Results is based on information compiled by Mr Justin Osborne and Mr Ziggy Lubieniecki, employees as well as shareholders and share option holders of Gold Road Resources Limited, and who are Fellow and Member of the Australasian Institute of Mining and Metallurgy respectively. Mr Osborne and Mr Lubieniecki have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration 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 Osborne and Mr Lubieniecki consent to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The current resources are prepared in accordance with the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves", 2004 Edition (JORC 2004). Gold Road is not aware of any new information or data that materially affects the information included in the relevant market announcement. In the case of estimates of Mineral Resources, the company confirms that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

The information in this report which relates to the Gold Mineral Resource estimates are based on geostatistical modeling by Ravensgate using sample information and geological interpretation supplied by Gold Road. The Mineral Resource estimates were undertaken by Don Maclean, a Principal Consultant. Mr Maclean is the competent person responsible for the Resource and a Member of the Australasian Institute of Geoscientists and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he has undertaken 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 Maclean consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.





# **Appendix 1: Resource Table**

| Project Name<br>(cut-off)  | Tonnes of<br>Ore ('000t) | Grade Au<br>(g/t) | Contained Au<br>(Ounces) | Contained Au<br>(Tonnes) |
|--|--------------------------|-------------------|--------------------------|--------------------------|
| Central Bore Trend (1.0g/t)<br>(2013)  | 814                      | 7.7               | 201,100                  | 6.2                      |
| Measured   | 43                       | 26.6              | 36,700                   | 1.1                      |
| Indicated  | 428                      | 8.7               | 119,300                  | 3.7                      |
| Inferred   | 343                      | 4.1               | 45,100                   | 1.4                      |
| Attila Trend (0.5g/t) (2012)<br>(encompasses Attila South;<br>Attila North; Alaric; Khan and<br>Khan North projects) | 25,527                   | 1.3               | 1,060,000                | 33.0                     |
| Measured   | 8,382                    | 1.4               | 389,000                  | 12.1                     |
| Indicated  | 9,360                    | 1.2               | 373,000                  | 11.6                     |
| Inferred   | 7,785                    | 1.2               | 298,000                  | 9.3                      |
| TOTAL  | 26,341                   | 1.5               | 1,261,100                | 39.2                     |

April 2013 JORC 2004 compliant Gold Resource for the Yamarna Gold Belt