Presentation on Q3 March FY19 Quarterly Report and audio webcast

Bob Vassie, Managing Director & CEO, will brief analysts and institutional investors on the Q3 March FY19 Quarterly Report at 11:00 am Australian Eastern Standard Time (UTC + 10 hours) on Thursday 18 April 2019. Participation on the conference call is by personal invitation only.

A live audio webcast of the briefing will be available on St Barbara’s website at stbarbara.com.au/investors/webcast/ or by clicking here. The audio webcast is ‘listen only’ and does not enable questions. The audio webcast will subsequently be made available on the website.
Q3 March FY19 Quarterly Presentation
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The Company estimates its reserves and resources in accordance with the Australasian Code for Reporting of Identified Mineral Resources and Ore Reserves 2012 Edition ("JORC Code"), which governs such disclosures by companies listed on the Australian Securities Exchange.

Financial figures are in Australian dollars unless otherwise noted. Financial year is 1 July to 30 June.
Q1 Sep FY19 = quarter to 30 Sep 2018
Q2 Dec FY19 = quarter to 31 Dec 2018
Q3 Mar FY19 = quarter to 31 Mar 2019
Q4 Jun FY19 = quarter to 30 June 2019

Title slide picture: Loader underground at Gwalia
Operational excellence

- 88 koz at AISC\(^1\) of A$1,098/oz (Q2: 89 koz at A$1,108/oz)
- Simberi set new records in milled grade and recovery
- Continued successful Gwalia deep drilling and exploration

Financial performance

- Operational cash contribution of $71 M (Q2: $76 M)
- A$800/oz cash contribution\(^2\)
- Simberi has generated $77 M cash contribution\(^2\) year to date

Capital management

- Debt free, A$382 M cash at bank\(^3\)
- Operating cash flow will fund all anticipated growth projects
- Paid A$0.04 interim fully franked dividend on 27 March

Growth

- Life-of-mine extension projects or studies at both mines
- Broad range of exploration projects, inc. equity investments
- Focused on inorganic opportunities

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1. Non IFRS measure, refer corresponding slide in Appendix
2. Cash contribution is a non-IFRS measure, refer to corresponding slide in Appendix. Q3 March FY19 cash contribution + Q3 March FY19 ounces of gold sold refer page 16 of the ‘Quarterly Report Q3 March FY19’
3. Financial information unaudited. Cash balance comprises $247 M cash, $135 M term deposits (maturing between July 2019 and January 2020) and excludes $2 M restricted cash
Focus on Safety

Total Recordable Injury Frequency Rate\(^1\)

<table>
<thead>
<tr>
<th>FY15</th>
<th>FY16</th>
<th>FY17</th>
<th>FY18</th>
<th>FY19 Q1 Sep</th>
<th>FY19 Q2 Dec</th>
<th>FY19 Q3 Mar</th>
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St Barbara LTIFR\(^2\) in comparison with Western Australian Mining benchmarks\(^3\)

<table>
<thead>
<tr>
<th></th>
<th>St Barbara Q3 FY19</th>
<th>WA Gold</th>
<th>WA Metal, Surface</th>
<th>WA Metal, Underground</th>
</tr>
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<tr>
<td></td>
<td>0.9</td>
<td>1.9</td>
<td>2.2</td>
<td>2.9</td>
</tr>
</tbody>
</table>

- The Total Recordable Injury Frequency Rate (TRIFR, 12 month moving average) at 4.1 at the end of Q3 March FY19
- Deterioration is being vigorously addressed
- Corresponding LTIFR remains well below WA industry average

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1. Total Recordable Injury Frequency Rate (12 month avg.), total recordable injuries per million hours worked.
2. LTIFR = Lost Time Injury Frequency Rate (12 month avg.), the number of lost time injuries per million hours worked.
**Q3 FY19 Production**
- Consolidated 88 koz (Q2: 89 koz)
- Gwalia 54 koz (Q2: 53 koz)
- Simberi 34 koz (Q2: 36 koz)

**Q3 FY19 AISC\(^1\)**
- Consolidated A$1,098/oz (Q2: A$1,108/oz)
- Gwalia A$1,016/oz (Q2: A$1,081/oz)
- Simberi A$1,229/oz (Q2: A$1,146/oz)

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1. Non IFRS measure, refer corresponding slide in Appendix.

Figures displayed to nearest koz. Reported ounces in Quarterly Report.
**Q3 FY19 Production**

- 54,261 oz (Q2: 53,257 oz)
- AISC\(^1\) A$1,016/oz (Q2: A$1,081/oz)
- Gwalia Extension Project (GEP) activities continued to compete for ventilation and trucking capacity and adversely impacted mining during the quarter
- Ore tonnes mined 146 kt (Q2: 158 kt)
- Mined grade of 11.7 g/t Au from South West Branch stopes (Q2: 10.4 g/t Au)
- FY19 guidance updated during quarter to between 235 and 240 koz (prev. 245 to 255 koz) @ AISC of A$980 to A$1,000/oz (prev. A$930 to A$970/oz)

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\(^1\) Non IFRS measure, refer corresponding slide in Appendix

\(^2\) Reserve Grade per ‘Ore Reserves and Mineral Resources Statements 30 June 2018’ released 27 August 2018
Q3 FY19 Production

- 34,097 oz (Q2: 35,987 oz)
- AISC\(^1\) A$1,229/oz (Q2: A$1,146/oz)
- AISC impacted by 6 week scheduled shutdown of the Ropecon\(^2\), 100-hour plant maintenance and refresh of mining fleet
- Record milled grade 1.83 g/t Au (Q2: 1.64 g/t Au), from higher grade zones in Sorowar and Pigibo
- FY19 guidance increased to 130 to 135 koz (prev. 120 to 130 koz) @ AISC of between A$1,245 and A$1,300/oz\(^3\) (prev. A$1,275 to A$1,375/oz)

1. Non IFRS measure, refer corresponding slide in Appendix
2. Aerial rope conveyor
3. Derived from US$895 to US$935/oz @ AUD 0.72 (previously US$920 to US$990/oz @ AUD 0.72)
Increasing Cash Balance

A$M

FY18 Q3 Mar

261

- Q4 movement net of:
  - $7 M tax
  - $10 M growth capex
  - $4 M investments

FY18 Q4 Jun

343

- Q1 movement net of:
  - $28 M dividends
  - $11 M growth capex
  - $6 M tax
  - $4 M investments

FY19 Q1 Sep

350

- Q2 movement net of:
  - $46 M tax
  - $13 M growth capex
  - $2 M investments

FY19 Q2 Dec

357

- Q3 movement net of:
  - $19 M growth capex
  - $14 M dividends
  - $4 M tax

FY19 Q3 Mar

382

- Net cash movement

Cash balance excludes restricted cash
For details refer to cash movements table in ASX release 18 April 2019 ‘Quarterly Report Q3 March FY19’
Cash Generation and Usage

Operational cash contribution is a Non IFRS measure, refer corresponding slide in Appendix

For details refer to cash movements table in ASX release 18 April 2019 'Quarterly Report Q3 March FY19'

Operational cash contribution

- Net cash movement for qtr
- Corp. costs & royalties, explr. & working cap.
- Strategic investments
- Leonora - growth capital
- Income tax payments
- Dividends paid

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Gwalia Extension Project Update – On Schedule

• Budget of A$112 M (previously A$100 M) with planned completion in Q2 Dec FY20\(^1\)
• GEP on schedule and approximately 80% complete. A$18 M spent in Q3 Mar FY19, A$80 M spent on project to date
• PAF\(^2\) crushing circuit on 1420 level is complete and 1460 level civil and mechanical work is well advanced
• PAF dry commissioning scheduled to commence Q4 June FY19, followed by wet commissioning into FY20
• Raise bore activities progressing to schedule, with two surface raisebores and one underground raisebore complete
• High voltage power cable hole complete
• Development to commence the second (and final) underground raisebore is underway

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2. PAF involves mixing paste from surface with waste crushed underground to fill stope cavities

1420 PAF chamber, March 2019
Impact of GEP on trucking capacity

- Excavation of the approx. 11 m high x 10 m wide chambers at 1,420 and 1,460 mbs for the PAF circuit commenced in Q1 Sep FY17.
- Raise-boring of the four 5-metre diameter vent shafts commenced in Q3 Mar FY18.
- The vent shafts total 2,800 m in length and represent a volume of ~44,000 m³.
- Trucking and ventilation capacity is liberated when raise boring is complete and PAF is commissioned.
Gwalia Mass Extraction (GMX) Feasibility Study Results

• Feasibility Study results announced 22 March 2019
• An optimised trucking case is the preferred option based on risk and return-on-capital assessments
• Three main alternative haulage methods were reviewed:
  • Continue trucking (the base case, plus two sub-options with additional ventilation and cooling)
  • Hydraulic hoisting using positive displacement pumping
  • Hydraulic hoisting using three chamber pipe feeder
• Life of mine extends to FY2031
• Mining at up to 1.1 Mtpa down to 2,300 mbs\(^1\)
• Estimated $100 M capex over the life of mine, comprising:
  • ~$70 M for additional ventilation raise bore shafts, and
  • ~$30 M for additional cooling infrastructure announced as part of GEP

1. Using existing Resources and Reserves released 27 August 2018. Refer ‘Ore Reserves and Mineral Resources Statements 30 June 2018’
   For details refer to ASX releases 22 March 2019 ‘Gwalia Mass extraction Feasibility Study Results’ and 18 April 2019 ‘Quarterly Report Q3 March FY19’
Gwalia – future indicative production profile

- H1 FY20 ventilation constrained until GEP is complete
- H2 FY20 production will compete with GMX development
- FY21 and FY22 production outlook based on building to, but not yet achieving, a target 1.1 Mtpa mining rate
- Opportunity to improve anticipated production profile by achieving target mining rate earlier and potentially exceeding target rate, centred on improved development rates:
  - Project team formed (inc. Byrnecut)
  - Autonomous jumbo\(^1\) arriving in May

1. For more details, refer to ASX announcement on 22 March 2019 ‘Gwalia Mass Extraction Feasibility Study Results, FY19 Guidance and webcast’. FY21 & FY22 = anticipated midpoint
2. Jumbo = electro-hydraulic rock drilling machine
Gwalia, WA
• Continued testing southern extensions to orebody returned significant results

Jessie Alma, WA
• RC drilling commenced testing targets between the Gwalia and Tower Hill deposits, with 5 holes completed (assays pending)

Pinjin, WA
• RC drilling commenced during the quarter testing four geochem targets in the region. Subsequent to quarter end two exploration tenements were acquired adjoining SBM ground to the south

Back Creek, NSW
• Diamond hole tested a geophysical target to the north of the project (assays pending)

Simberi Island, PNG
• Ongoing sulphide drilling beneath Sorowar pit continued to return significant sulphide and oxide mineralisation

Newcrest JV, PNG
• Commenced the second hole testing Banesa Cu-Au porphyry target. Intersected trace copper mineralisation (assays pending)
Gwalia Deep Drilling

- Daughter holes GWDD16I, GWDD16J and GWDD16K intersected the mine sequence between 2,030 and 2,060 mbs
- Significant results include:
  - 6.0 m at 11.7 g/t Au from 1,945 mbs
  - 0.5 m at 11.0 g/t Au from 1,948 mbs

- Results suggest this zone could host high grade mineralisation and that the deposit trends progressively shallower in a southerly plunge

- Results from GWDD16K are pending with GWDD23 nearing completion
Sorowar Pit

Drilling results continue to be positive, indicating significant additional sulphide and oxide mineralisation is present.

Best intersections include (all results downhole):

135SORDGC003:
- 20 m at 3.26 g/t Au from 95 m
- 7 m at 25.5 g/t Au from 153 m

185SORDGC011:
- 26 m at 2.19 g/t Au from 72 m

185SORDG020:
- 10 m at 8.84 g/t Au from 190 m
Sorowar Pit Q3 FY19
Drilling Program Oblique Section 66,337

- 7m @ 2.09g/t Au
- 8m @ 6.17g/t Au
- 6m @ 4.31g/t Au
- 20m @ 1.21g/t Au
- 8m @ 2.32g/t Au
- 3m @ 1.49g/t Au
- 6m @ 5.13g/t Au
- 10m @ 2.24g/t Au
- 14m @ 1.12g/t Au
- 2m @ 2.46g/t Au
- 8m @ 4.12g/t Au

- 2m @ 1.53g/t Au
- 20m @ 3.26g/t Au
- 6m @ 1.28g/t Au
- 7m @ 25.5g/t Au
- 3m @ 3.95g/t Au
- 10m @ 5.43g/t Au

For full explanation and results refer to ASX release 18 April 2019 ‘Quarterly Report Q3 March FY19’
Diversify production base
Seeking a portfolio of robust operations

Sustainable long life operations
Aiming for above average mine life at bottom-third AISC

Quality growth pipeline
Actively add, manage and progress assets in all phases of the pipeline

Talented people who deliver
Support and work with our people to continue to achieve extraordinary results

Trusted to operate
Our various stakeholders trust us everywhere we choose to operate
Growth Pipeline

Inorganic growth
Evaluating exploration, project, development and operating assets in a range of sizes in Australia and overseas

Exploration
- Back Creek
- Pinjin
- Greater Gwalia
- Peel Mining
- Aust. Potash
- Duketon Mining
- Au, EJV

Feasibility
- Gwalia GMX
- Tower Hill

Construction
- Gwalia Extension

Production
- Gwalia Mine
- Simberi Mine

Australia
- Catalyst Metals 16%
- Prodigy Gold 10%

Overseas
- Tabar Is Group
- Cu-Au, OFA with NCM

Projects owned 100%
St Barbara interest as noted

1. Option and Farm-in Agreement with Newcrest announced 14 November 2016
2. Earn-in and Joint Venture Agreement with Australian Potash announced 8 October 2018
Conclusion

- Gwalia production maintained during GEP activity, GEP progressing well
- Simberi FY19 production guidance increased
- GMX feasibility study results indicates trucking as the preferred option
- Successful drilling at Gwalia Deeps and regionally
- Continued positive Simberi Sulphide drilling results
- Debt free, $382 M cash and term deposits¹
- Well positioned for inorganic growth opportunities

¹. Cash balance comprises $247 M cash, $135 M term deposits (maturing between July 2019 and January 2020) and excludes $2 M restricted cash
Boats for Exploration logistics, Tatau Island PNG. Mt Banesa in background. June 2018.
Diversity and Sustainability – Developments in Q3 Mar FY19

- **WGEA Employer Of Choice For Gender Equality** citation received for 2019. Citation held since 2014 and the only mining company to be currently certified.

**Leonora sponsorships**

- **Clontarf Foundation.** Uses football as a vehicle to improve the education, discipline, life skills, self-esteem and employment prospects of young indigenous men.

- **Shooting Stars** Leonora official launch. Uses netball as a vehicle to encourage greater engagement and attendance at school of young indigenous girls.

- **Indigenous Hip Hop Project** at Leonora District High School.

- **Kambalda/Leonora Football Club**
## Production Summary

<table>
<thead>
<tr>
<th></th>
<th>Year FY18</th>
<th>Q1 Sep FY19</th>
<th>Q2 Dec FY19</th>
<th>Q3 Mar FY19</th>
<th>Q3 YTD FY19</th>
<th>Guidance FY19</th>
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<tr>
<td><strong>St Barbara’s financial year is</strong></td>
<td>Year to 30 June 2018</td>
<td>Qtr to 30 Sep 2018</td>
<td>Qtr to 31 Dec 2018</td>
<td>Qtr to 31 Mar 2019</td>
<td>9 months to 31 Mar 2019</td>
<td>Year to 30 June 2019</td>
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<tr>
<td><strong>Production</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Gwalia</td>
<td>oz</td>
<td>268,428</td>
<td>62,685</td>
<td>53,257</td>
<td>54,261</td>
<td>170,203</td>
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<tr>
<td>Simberi</td>
<td>oz</td>
<td>134,661</td>
<td>35,862</td>
<td>35,987</td>
<td>34,097</td>
<td>105,946</td>
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<td><strong>Consolidated</strong></td>
<td>oz</td>
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<td><strong>Mined Grade</strong></td>
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<tr>
<td>Gwalia</td>
<td>g/t</td>
<td>12.5</td>
<td>12.4</td>
<td>10.4</td>
<td>11.7</td>
<td>11.5</td>
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<tr>
<td>Simberi</td>
<td>g/t</td>
<td>1.25</td>
<td>1.29</td>
<td>1.55</td>
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<td>1.43</td>
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<tr>
<td>Gwalia</td>
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<td>613</td>
<td>665</td>
<td>806</td>
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<td>724</td>
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<td>Simberi</td>
<td>A$/oz</td>
<td>969</td>
<td>952</td>
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<td><strong>All-In Sustaining Cost</strong></td>
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<td>Gwalia</td>
<td>A$/oz</td>
<td>802</td>
<td>833</td>
<td>1,081</td>
<td>1,016</td>
<td>969</td>
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<td>Simberi</td>
<td>A$/oz</td>
<td>1,068</td>
<td>1,068</td>
<td>1,146</td>
<td>1,229</td>
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<td><strong>Consolidated</strong></td>
<td>A$/oz</td>
<td>891</td>
<td>919</td>
<td>1,108</td>
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</table>

2. Refer to Ore Reserve and Mineral Resources Statements (released 27 August 2018)
3. Non-IFRS measure, refer Appendix
4. Derived from US$895 to US$935 per ounce @ AUD 0.72 (previously US$920 to US$990 per ounce @ AUD 0.72)
### Current Projects – Timeline

<table>
<thead>
<tr>
<th></th>
<th>FY19</th>
<th>FY19</th>
<th>FY20</th>
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<tr>
<td></td>
<td>Q1 Sep</td>
<td>Q2 Dec</td>
<td>Q3 Mar</td>
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<tr>
<td><strong>Gwalia Extension Project</strong></td>
<td>construction (completion due Q2 Dec FY20)</td>
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<td><strong>Gwalia Mass Extraction</strong></td>
<td>feasibility study</td>
<td>optimisation</td>
<td></td>
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<tr>
<td><strong>Gwalia 2600 mbs hole</strong></td>
<td>analysis and further drilling</td>
<td></td>
<td></td>
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<tr>
<td><strong>Gwalia 3D Targets</strong></td>
<td>analysis and further seismic</td>
<td>drilling</td>
<td></td>
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<tr>
<td><strong>Simberi sulphide PFS</strong></td>
<td></td>
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<tr>
<td><strong>Simberi JV</strong></td>
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</tbody>
</table>

- **Simberi sulphide PFS**: Drilling (inc. 30 m x 30 m) (initial 2 year option period extended to Dec 2019)

Refer to ASX release 18 April 2019 ‘Quarterly Report Q3 March FY19’
Exploration FY19 Guidance - A$25 to A$30 million

A$12 – A$15 million Leonora
- Greater Gwalia Area
- Gwalia Deep Drilling
- Gwalia Seismic

A$4 – A$5 million Pinjin WA
- Aircore drilling of identified targets

A$9 – A$10 million PNG
- Simberi Oxides/Sulphides and Porphyry
  Option and farm in with Newcrest
- Drilling copper-gold porphyry targets

For full explanation and results refer to ASX release 18 April 2019 ‘Quarterly Report Q3 March FY19’
Exploration – Gwalia Deep Drilling

Gwalia Deeps Drilling Program Q3 FY19
Cross Section Looking North

Open Pit

Underground Development

Recent Diamond Drilling

Underground Development at 1,713mbs

GWDD16J
0.5m @ 1.8g/t (MNL)
2.7m @ 0.3g/t (SWB)
6.0m @ 11.7g/t (SGS2)
0.5m @ 11.0g/t (WL1)

Recent Drilling Result
Q3 FY19 Diamond Drill Hole
Mine Sequence Intersection
South West Branch
South Gwalia Series
Development Stoping

GWDD16l
3.0m @ 0.4g/t (MNL)

GWDD23
In Progress

Gwalia Shear Zone Extensions

Gwalia 117
Drawn April 2019

For full explanation and results refer to ASX release 18 April 2019 ‘Quarterly Report Q3 March FY19’
Exploration – Seismic Targets

Gwalia Deeps Q3 FY19
Drilling Program Plan View

GWDD16J
0.5m @ 1.8g/t (MNL)
2.7m @ 0.3g/t (SWB)
6.0m @ 11.7g/t (SGS2)
0.5m @ 11.0g/t (WL1)

GWDD16I
3.0m @ 0.4g/t (MNL)

GWDD16K
Assays Pending

GWDD23
In Progress

Target 2,100mbs
Target 2,600mbs

Q4 FY19 Deep Drilling Target
Recent Drilling Result
Q3 FY19 Diamond Drill Hole
Mine Sequence Intersection
Seismic Targets

Underground Development at 1,713mbs
Exploration – Gwalia Geological Interpretation

Shallowing Gwalia Fold Model
Looking North

Note: Stylised conceptual interpretation of the Gwalia geology and mineralisation
For full explanation and results refer to ASX release 18 April 2019 ‘Quarterly Report Q3 March FY19’
Sorowar Pit Q3 FY19
Drilling Program Oblique Section 67,177

- 8m @ 0.98g/t Au
- 26m @ 2.19g/t Au
- 5m @ 1.66g/t Au
- 9m @ 1.63g/t Au
- 5m @ 0.78g/t Au
- 16m @ 3.67g/t Au
- 3m @ 0.86g/t Au
- 3m @ 0.91g/t Au
- 3m @ 1.41g/t Au
- 3m @ 2.70g/t Au

Q3 FY19 RC Drill Hole
Previously Reported
RC Drill Hole with Intersection
Recent Intersection
Recent Drilling Result
Previous Drilling Result
Sulphide Pit Design
Intrusion (Early)

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Exploration – Simberi Island, PNG

For full explanation and results refer to ASX release 18 April 2019 ‘Quarterly Report Q3 March FY19’
Sorowar Pit Q3 FY19
Drilling Program Oblique Section 66,537

35m @ 3.11g/t Au
10m @ 9.53g/t Au
9m @ 2.81g/t Au
10m @ 1.06g/t Au
3m @ 5.30g/t Au

4m @ 2.69g/t Au
10m @ 0.91g/t Au
9m @ 4.73g/t Au
6m @ 2.19g/t Au
27m @ 8.92g/t Au
6m @ 2.18g/t Au
2m @ 5.50g/t Au
8m @ 1.20g/t Au

Q3 FY19 RC Drill Hole
Previously Reported RC Drill Hole with Intersection
Recent Intersection
Recent Drilling Result
Previous Drilling Result
Sulphide Pit Design
Intrusion (Early)

For full explanation and results refer to ASX release 18 April 2019 ‘Quarterly Report Q3 March FY19’
Gwalia Tailings Storage Facility (TSF3)

Upstream raise construction
• Type of TSF: Paddock

Metrics:
• First approved: 1992
• Elevation: ~376m
• Current wall height: 30 m
• Projected final wall height: 32 m
• Tailings deposition rate: 750-850 ktpa
• Deposited density: 1.4-1.5 t/m³
• Total capacity: 30 Mt
• Perimeter: 3,000 m
• Impoundment area: ~70 ha
• Current impoundment volume: ~17.1 x 10⁶ m³
• Current mass of solids stored: ~25.6 x 10⁶ t
• Final raise expected by 2023; new TSF will be ready for utilisation at that point.
• Tailings are mined for concrete aggregate material for the paste fill plant.
• During 2018/19 a review of emergency plan and dam rating was completed based on ANCOLD and regulatory standards.
• In 2019 stability drill testing was completed and an additional eight piezometers were installed to provide increased certainty of TSF stability.
Gwalia Tailings Storage Facility (TSF3) - Governance

• Engineer of Record & Independent Tailings Engineer
  • Annual safety inspections

• Insurance Assessment
  • Annual visit

• WA Government, Department of Water and Environmental Regulation
  • Periodic inspections

• WA Government, Department of Mines, Industry Regulation and Safety
  • Guide to Departmental requirements for the management and closure of tailings storage facilities (2015)
  • Tailings Dam Audit Guide (2013)
  • Safe Design and Operating Standards for Tailings Storage (1990)

• A regulatory mine closure plan is in place which includes rehabilitation of the TSF.
## Hedging Summary at 18 April 2019

<table>
<thead>
<tr>
<th>Financial Year</th>
<th>Volume ounces</th>
<th>Price $/oz</th>
<th>Delivery (all monthly instalments)</th>
<th>Announced</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY19</td>
<td>27,000</td>
<td>A$1,750</td>
<td>February and June 2019</td>
<td>7 &amp; 19 Feb 2018 and 7 Mar 2018</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><em>(73,000 of initial 100,000 ounces delivered year to date since 1 July 2018)</em></td>
</tr>
<tr>
<td>FY20</td>
<td>50,000</td>
<td>A$1,750</td>
<td>July and December 2019</td>
<td>7 &amp; 19 Feb 2018 and 7 Mar 2018</td>
</tr>
<tr>
<td>FY20</td>
<td>24,000</td>
<td>A$1,809</td>
<td>January and June 2020</td>
<td>26 Oct 2018</td>
</tr>
<tr>
<td>FY20</td>
<td>24,000</td>
<td>US$1,300</td>
<td>January and June 2020</td>
<td>10 Dec 2018</td>
</tr>
<tr>
<td>FY21</td>
<td>26,000</td>
<td>A$1,809</td>
<td>July and December 2020</td>
<td>26 Oct 2018</td>
</tr>
<tr>
<td>FY21</td>
<td>26,000</td>
<td>US$1,300</td>
<td>July and December 2020</td>
<td>10 Dec 2018</td>
</tr>
</tbody>
</table>

For full explanation and results refer to ASX release 18 April 2019 ‘Quarterly Report Q3 March FY19’
## Ore Reserves Summary as at 30 June 2018

### Notes

1. Ore Reserves are based on a gold price of: Gwalia (AU$1,350/oz), Tower Hill (AU$1,250/oz), Simberi (US$1,200/oz)
2. Cut-off Grades Gwalia (4.0g/t Au), Tower Hill (2.8g/t Au), Simberi Oxide (0.5g/t Au), Simberi Sulphide (1.1g/t Au)
3. Mineral Resources are reported inclusive of Ore Reserves
4. Data is rounded to thousands of tonnes and thousands of ounces. Discrepancies in totals may occur due to rounding

Full details are contained in the ASX release dated 27 August 2018 ‘Ore Reserves and Mineral Resources Statements 30 June 2018’ available at www.stbarbara.com.au

<table>
<thead>
<tr>
<th>Project</th>
<th>Proved</th>
<th></th>
<th></th>
<th>Probable</th>
<th></th>
<th></th>
<th>Total</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tonnes ('000)</td>
<td>Gold (g/t)</td>
<td>Ounces ('000)</td>
<td>Tonnes ('000)</td>
<td>Gold (g/t)</td>
<td>Ounces ('000)</td>
<td>Tonnes ('000)</td>
<td>Gold (g/t)</td>
<td>Ounces ('000)</td>
</tr>
<tr>
<td>Gwalia, (WA)</td>
<td>1,845</td>
<td>9.0</td>
<td>531</td>
<td>6,061</td>
<td>7.0</td>
<td>1,368</td>
<td>7,907</td>
<td>7.5</td>
<td>1,899</td>
</tr>
<tr>
<td>Tower Hill, (WA)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2,572</td>
<td>3.7</td>
<td>306</td>
<td>2,572</td>
<td>3.7</td>
<td>306</td>
</tr>
<tr>
<td>Simberi Oxide, (PNG)</td>
<td>1,644</td>
<td>1.5</td>
<td>77</td>
<td>5,692</td>
<td>1.3</td>
<td>237</td>
<td>7,336</td>
<td>1.3</td>
<td>314</td>
</tr>
<tr>
<td>Simberi Sulphide, (PNG)</td>
<td>151</td>
<td>3.0</td>
<td>15</td>
<td>12,200</td>
<td>3.5</td>
<td>1,367</td>
<td>12,352</td>
<td>3.5</td>
<td>1,382</td>
</tr>
<tr>
<td>Simberi Stockpiles, (PNG)</td>
<td>889</td>
<td>0.8</td>
<td>22</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>889</td>
<td>0.8</td>
<td>22</td>
</tr>
<tr>
<td>Total All Projects</td>
<td>4,529</td>
<td>4.4</td>
<td>645</td>
<td>26,525</td>
<td>3.8</td>
<td>3,278</td>
<td>31,055</td>
<td>3.9</td>
<td>3,923</td>
</tr>
</tbody>
</table>
## Mineral Resources Summary as at 30 June 2018

### Project

|                      | Measured |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|----------------------|----------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                      | Tonnes ('000) | Gold (g/t) | Ounces ('000) | Tonnes ('000) | Gold (g/t) | Ounces ('000) | Tonnes ('000) | Gold (g/t) | Ounces ('000) | Tonnes ('000) | Gold (g/t) | Ounces ('000) |
| Gwalia, (WA)         | 4,581    | 7.1           | 1,048         | 14,690        | 6.3          | 2,997         | 3,831         | 6.3          | 780           | 23,102        | 6.5          | 4,825          |
| Tower Hill, (WA)     | -        | -             | -             | 4,604         | 3.9          | 574           | 489           | 3.3          | 51            | 5,093         | 3.8          | 625            |
| Simberi Oxide, (PNG) | 2,120    | 1.2           | 85            | 10,163        | 1.0          | 341           | 4,834         | 1.0          | 150           | 17,117        | 1.0          | 576            |
| Simberi Sulphide, (PNG) | 526     | 1.7           | 28            | 40,683        | 1.9          | 2,454         | 12,615        | 1.6          | 654           | 53,824        | 1.8          | 3,136          |
| Total All Projects   | 7,227    | 5.0           | 1,161         | 70,140        | 2.8          | 6,366         | 21,769        | 2.3          | 1,635         | 99,136        | 2.9          | 9,162          |

### Notes

1. Mineral Resources are reported inclusive of Ore Reserves
2. Cut-off Grades Gwalia (2.5g/t Au), Tower Hill (2.5g/t Au), Simberi Oxide (0.4g/t Au), Simberi Sulphide (0.6g/t Au)
3. Simberi Mineral Resources are reported constrained by a US$1,800/oz pit shell
4. Data is rounded to thousands of tonnes and thousands of ounces. Discrepancies in totals may occur due to rounding

**Exploration Results**
The information in this presentation that relates to Exploration Results for Simberi and Pinjin is based on information compiled by Dr Roger Mustard, who is a Member of The Australasian Institute of Mining and Metallurgy. Dr Mustard is a full-time employee of St Barbara and has sufficient experience 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 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Dr Mustard consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this presentation that relates to Exploration Results for Gwalia and the Leonora region is based on information compiled by Mr Robert Love, who is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Love is a full-time employee of St Barbara and has sufficient experience 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 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr Love consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

**Mineral Resource and Ore Reserve Estimates**
The information in this presentation that relates to Mineral Resources or Ore Reserves is extracted from the report titled ‘Ore Reserves and Mineral Resources Statements 30 June 2018’ released to the Australian Securities Exchange (ASX) on 27 August 2018 and available to view at stbarbara.com.au and for which Competent Persons’ consents were obtained. Each Competent Person’s consent remain in place for subsequent releases by the Company of the same information in the same form and context, until the consent is withdrawn or replaced by a subsequent report and accompanying consent.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original ASX announcement released on 27 August 2018 and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the original ASX 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 been materially modified from the original ASX announcement.

Non-IFRS Measures and Scheduled Announcements

We supplement our financial information reporting determined under International Financial Reporting Standards (IFRS) with certain non-IFRS financial measures, including cash operating costs. We believe that these measures provide meaningful information to assist management, investors and analysts in understanding our financial results and assessing our prospects for future performance.

**Cash operating costs**
- Calculated according to common mining industry practice using The Gold Institute (USA) Production Cost Standard (1999 revision)
- Refer most recent quarterly report available at stbarbara.com.au for example

**All-In Sustaining Cost**
- All-In Sustaining Cost is based on Cash Operating Costs, and adds items relevant to sustaining production. It includes some, but not all, of the components identified in World Gold Council’s Guidance Note on Non-GAAP Metrics - All-In Sustaining Costs and All-In Costs (June 2013)
- Refer most recent quarterly report available at stbarbara.com.au for example

**Cash contribution**
- Refer cash movements table in Finance section of corresponding Quarterly Report. It is the sum of ‘operating cash flow’ from individual operations, net of sustaining capital expenditure
- Refer most recent quarterly report available at stbarbara.com.au for example

### Scheduled ASX Announcements

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 July 2019</td>
<td>Q4 June FY19 Quarterly Report</td>
</tr>
<tr>
<td>21 August 2019</td>
<td>FY19 Full Year Report&lt;br&gt;FY19 Final Dividend&lt;br&gt;30 June 2019 Ore Reserves and Mineral Resources Statements</td>
</tr>
</tbody>
</table>