



## Presentation to analysts and investors at Leonora Operations

Attached is a presentation to analysts and investors attending a site visit this week at Leonora Operations, Western Australia.

## Gwalia site visit 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.*

Australian Securities Exchange (ASX) Listing code “SBM”

American Depositary Receipts (ADR OTC code “STBMY”) through BNY Mellon,

[www.adrbnymellon.com/dr\\_profile.jsp?cusip=852278100](http://www.adrbnymellon.com/dr_profile.jsp?cusip=852278100)

*This presentation published 8 August 2019*

*Title slide picture: Aerial view of Leonora Operations*



## Overview of St Barbara

- Operations
- Safety

## Gwalia Mine, Leonora, WA

- History
- Production
- Innovation
- Growth

## Exploration

## Appendices



Melissa Walker, Process Technician at the paste plant, Gwalia.

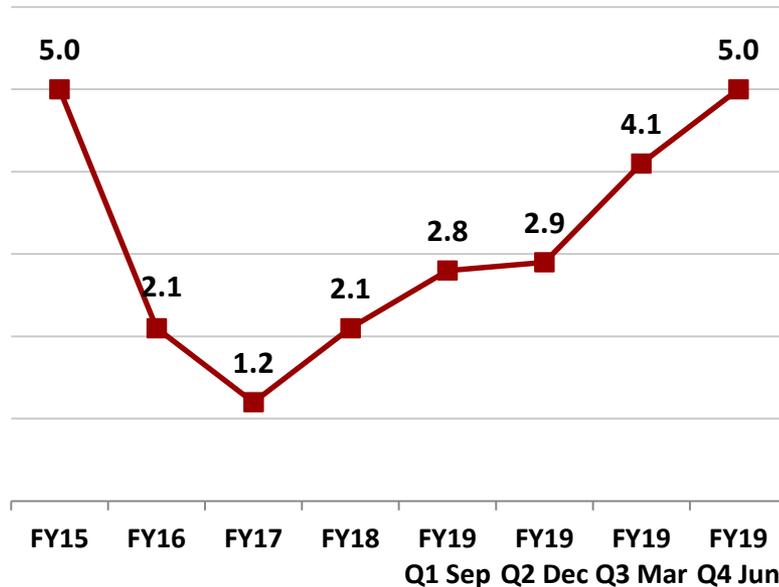


ASX 200 (ASX: SBM; ADR: STBMY), est. 1969	
Commodity	Gold (Au)
Market Cap <sup>1</sup>	A\$2.6 B @ A\$3.69/sh
Shares <sup>1</sup>	696 M
Liquidity <sup>2</sup>	8.4 M/day (1.2%)
1H FY19 EPS <sup>3</sup>	A\$0.16
1H FY19 Dividend	A\$0.04
Cash and cash deposits <sup>4</sup>	A\$111 M
Debt <sup>8</sup>	A\$112 M (C\$100 M)
Ore Reserves (JORC) <sup>5</sup>	5.8 Moz
Mineral Resources <sup>5</sup>	11.5 Moz

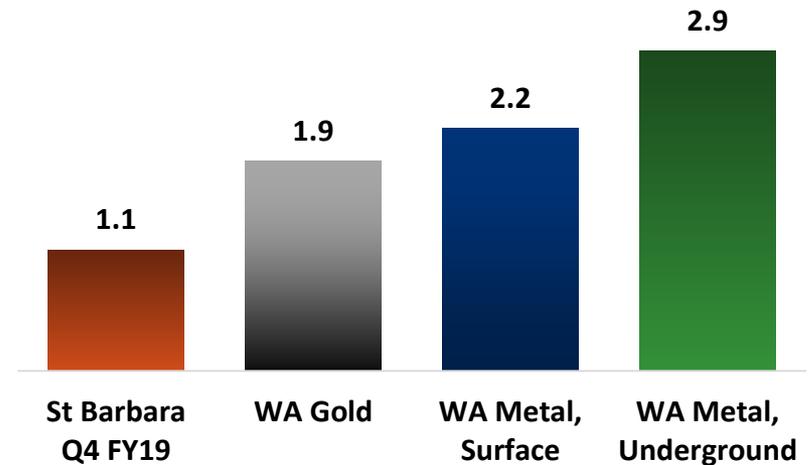
	FY19A	FY20F <sup>7</sup>
<b>Consolidated</b>	362 koz @ AISC <sup>6</sup> A\$1,080/oz	310 to 335 koz @ AISC A\$1,250 to A\$1,350/oz (+ Atlantic Gold TBA)
<b>Gwalia</b>	220 koz @ AISC A\$1,027/oz	200 to 210 koz @ AISC A\$1,230 to A\$1,290/oz
<b>Simberi</b>	142 koz @ AISC \$1,162/oz	110 to 125 koz @ AISC A\$1,285 to A\$1,450/oz
<b>Atlantic Gold<sup>8</sup></b>	93 koz @ AISC A\$787/oz (AISC YTD Q3 FY19)	<i>Due to be released in Q1 September FY20</i>

1. As at close 6 Aug 2019 2. 3 months to 6 Aug 2019, Deutsche Bank 3. Basic EPS for H1 FY19. 4. As at 30 Jun 2019. Cash balance comprises \$213 M cash, \$678 M term deposits and excludes A\$2 M restricted cash, net of \$780 M Atlantic consideration paid in July 2019. 5. Refer corresponding Ore Reserves and Mineral Resources slides in Appendix, Leonora and Simberi as at 30 June 2018, Atlantic Gold as at 13 March 2019 (details in ASX release 5 August 2019 'Diggers & Dealers Mining Forum'). Mineral Resources are reported inclusive of Ore Reserves 6. Non IFRS measure, refer corresponding slide in Appendix. 7. FY20F guidance released 24 July 2019 'Quarterly Report Q4 June FY19'. 8. Atlantic Gold production attributable to St Barbara from 19 July 2019. C\$100M debt facility acquired with Atlantic Gold on 19 July 2019.

## Total Recordable Injury Frequency Rate<sup>1</sup>



## St Barbara LTIFR in comparison with Western Australian Mining benchmarks<sup>2</sup>



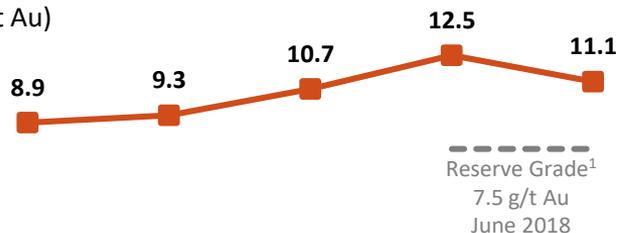
- The Total Recordable Injury Frequency Rate (TRIFR, 12 month moving average) at 5.0 at the end of Q4 June FY19
- Deterioration is being vigorously addressed with focus on HS culture and maturity, personal accountability and safety mindset.
- Corresponding LTIFR remains well below WA industry average

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  
 3. Most recent statistics from [www.dmp.wa.gov.au/Safety/Safety-statistics-16198.aspx](http://www.dmp.wa.gov.au/Safety/Safety-statistics-16198.aspx)  
 WA Gold: [Safety performance in the Western Australian mineral industry 2017-18 - poster](http://www.dmp.wa.gov.au/Safety/Safety-statistics-16198.aspx)  
 Surface & Underground: [Safety performance in the Western Australian mineral industry 2016-2017 - report](http://www.dmp.wa.gov.au/Safety/Safety-statistics-16198.aspx)

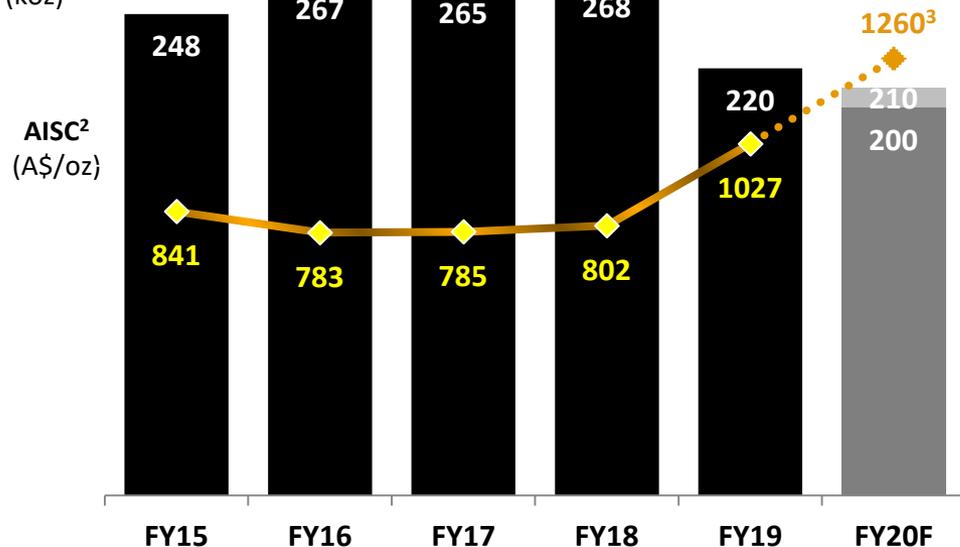
- From surface outcrop (first mined 1896) to current workings is approx. 3.5 km 'straight line' along shear
- Herbert Hoover was the initial Gwalia mine manager (1897-1898), later a US President (1929-1933), noted angle of deposit – took mining underground via underlay shaft (forerunner of decline)
- One of few world deposits mined for over 100 years
- In October 2018 produced its 2 millionth ounce under St Barbara ownership



**Mined Grade**  
(g/t Au)



**Production**  
(koz)



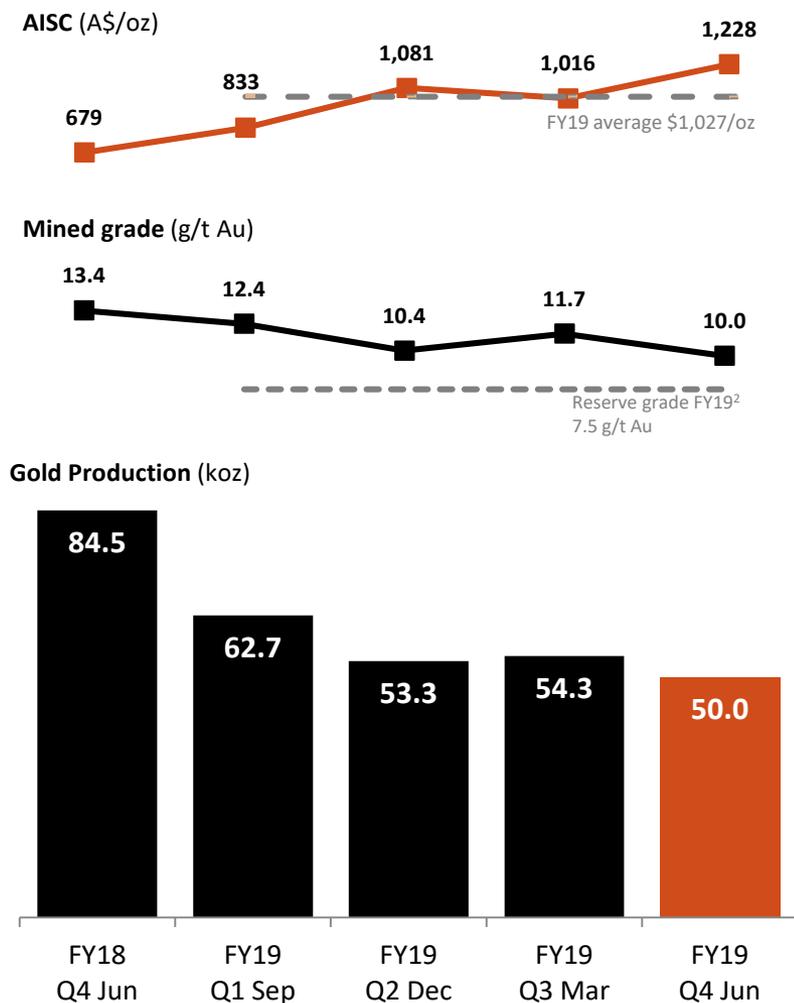
## FY19 performance

- Production of 220 koz (FY18: 268 koz)
- AISC<sup>2</sup> of A\$1,027/oz (FY18: A\$802/oz)

## FY20 guidance

- Production of 200 to 210 koz
- AISC of A\$1,230 to A\$1,290/oz

1. Reserve grade per 'Ore Reserves and Mineral Resources Statement 30 June 2018'.  
 2. AISC is a Non-IFRS measure, refer Appendix  
 3. FY20F AISC is midpoint of revised guidance released 24 July 2019 in 'Q4 June FY19 Quarterly Report'.



Reported ounces in Quarterly Report.

## Q4 FY19 Production

- 49,966 oz (Q3: 54,261 oz)
- AISC<sup>1</sup> A\$1,228/oz (Q3: A\$1,016/oz)
- The sequential nature of the mine plan, and continued ventilation constraints limited parallel work activities in the underground and continues to impact mining operations
- Ore tonnes mined 156 kt (Q3: 146 kt). Mined volume affected by temporary blockage of the paste reticulation circuit during May 2019
- Mined grade of 10.0 g/t Au (Q3: 11.7 g/t Au)

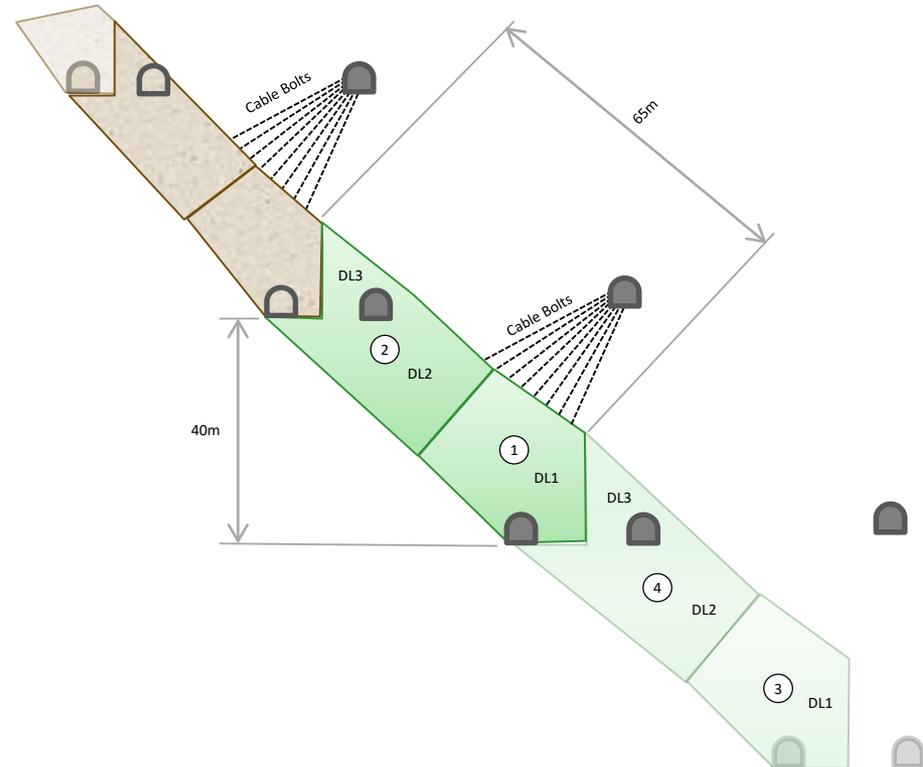


Animation of Gwalia underground mine available at <https://youtu.be/D3uo4FKi2I>

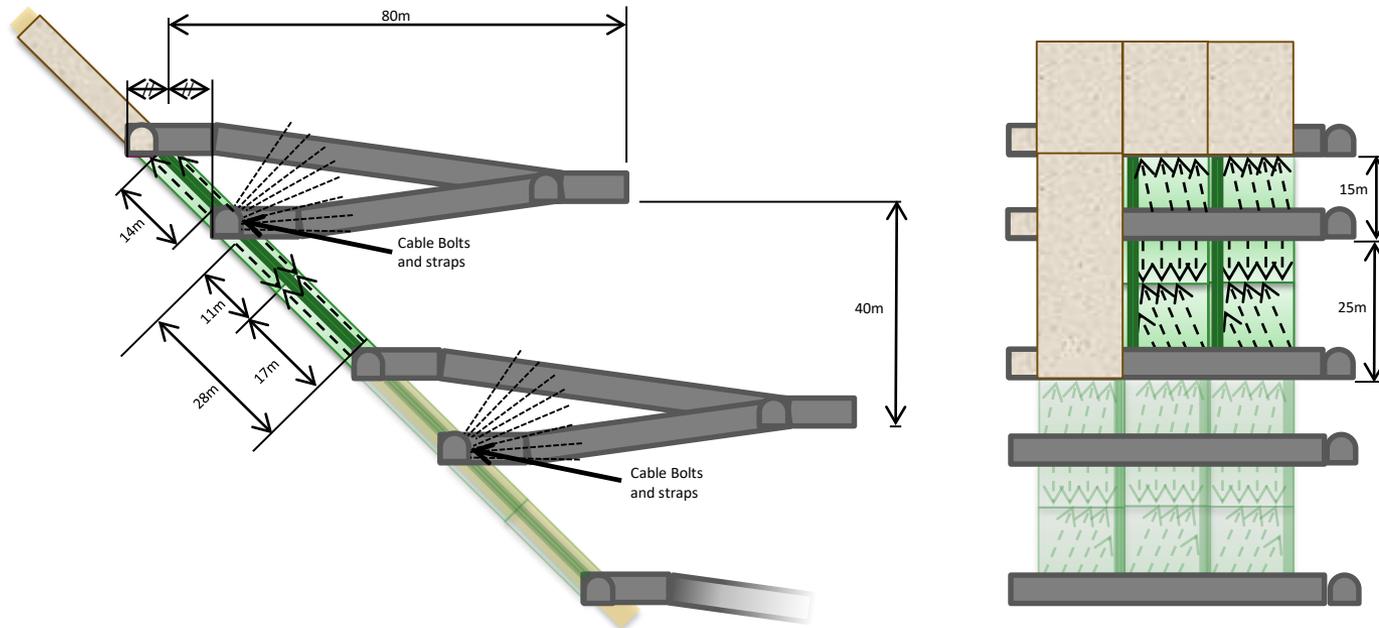
## Triple Lift Stopping in Wide SWB Zones

### Mining method

- Long hole open stoping with fill
- North & south access on two levels gives 4 mining areas
- Greater percentage of free bogging increases productivity of each stope
- Sill drives fully in ore – reduces development dilution



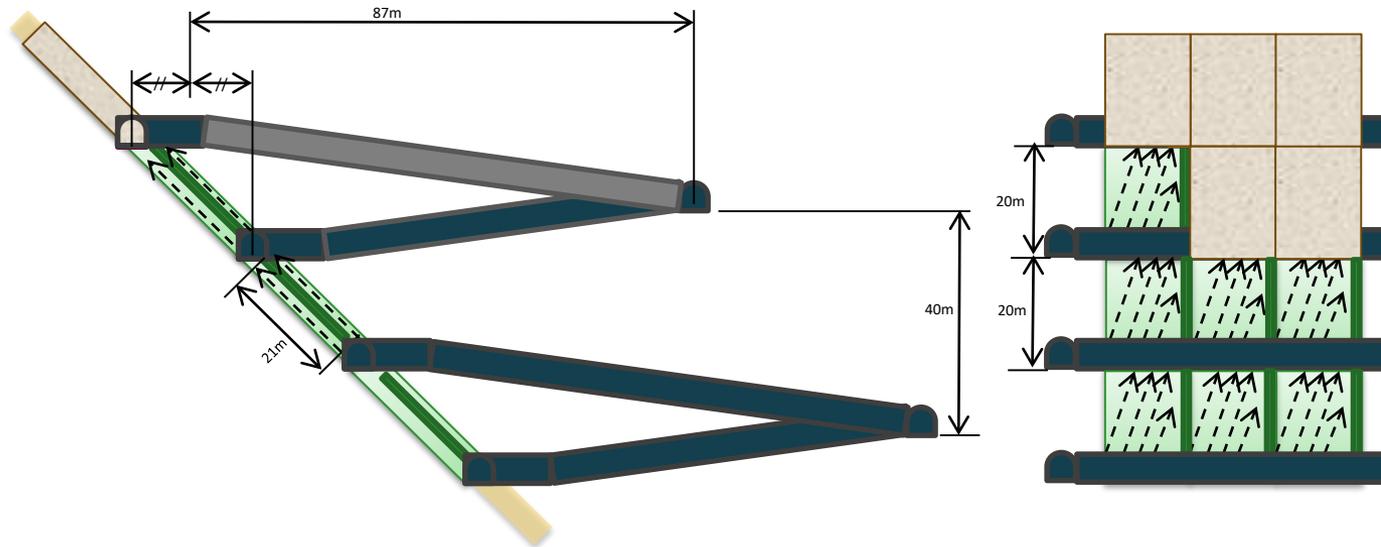
## Double Lift Stopping in South Gwalia Series and Narrower SWB Zones



### Mining method

- Cable bolts installed from central ore drive, reducing dilution
- Production drilling parallel to hangingwall to reduce blast induced dilution

## Single Lift Stopping in Narrower Zones (Main Lode, West Lode)



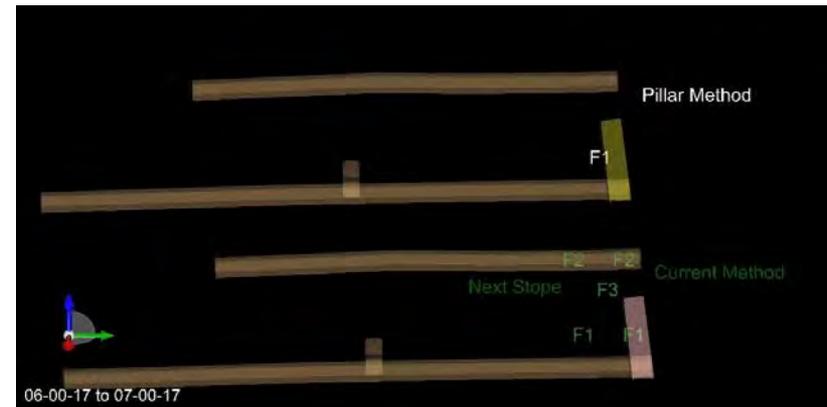
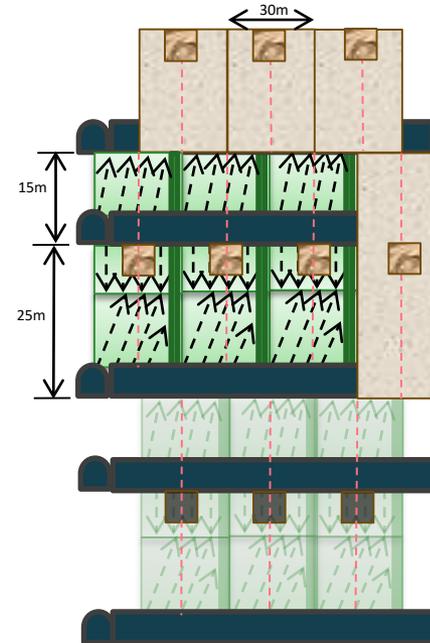
### Mining method

- Lower hydraulic radius reduces dilution
- Production drilling parallel to hangingwall to reduce blast induced dilution

## Island Pillar Method Opportunity

### Mining method

- Island pillar supports hangingwall, reducing dilution
- Allows strike length to be increased
- Fixed part of stoping cycle effectively spread over two stopes
- Potential increase in stoping productivity

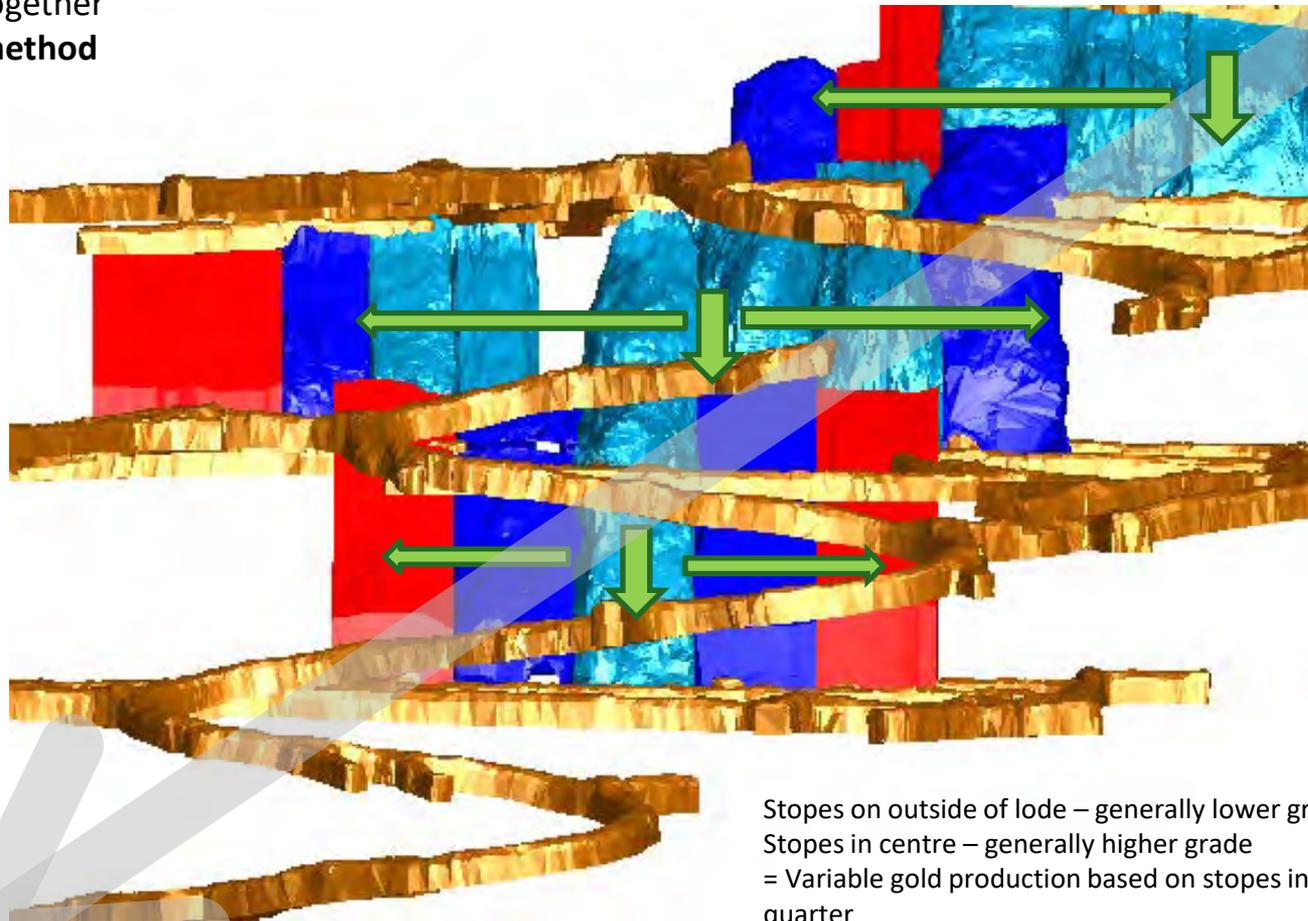


**Objective:** Maximise production, constrained by:

- 1) Waiting for adjacent/above stope's paste fill to dry
- 2) Geotech considerations – not too many open stopes too close together

= 'Centre out' method

'Centre out' –  
extract centre  
stope of lode first,  
then move out to  
edge of lode



## Stope Cycle Time – 6 months per stope

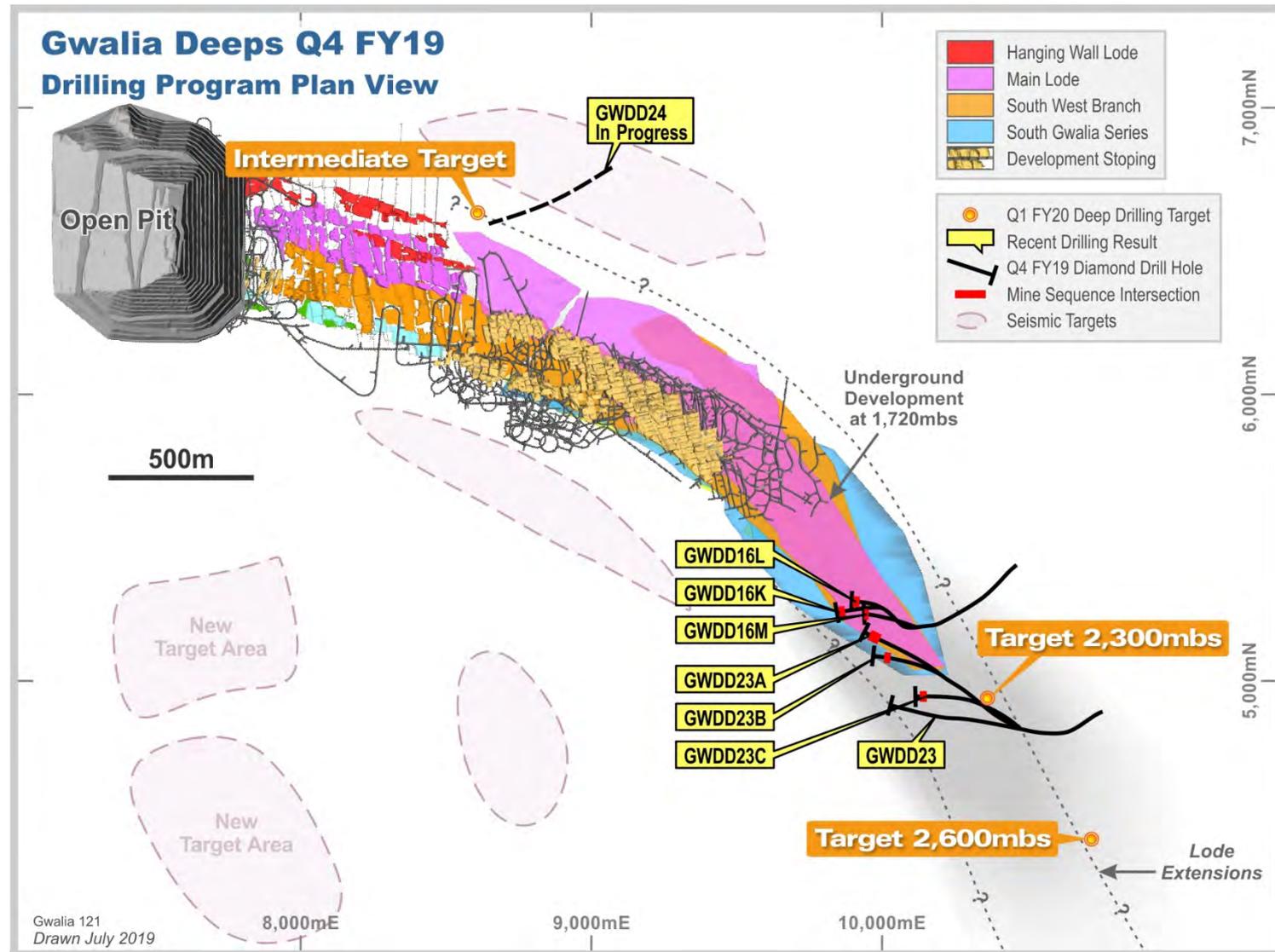
- ‘Bogging’ (extracting ore from the stope) represents just under 50% of stope cycle time
- Filling and curing around 30% of stope cycle time
  - PAF circuit optimisation to aid in reduction of filling time
- Adjacent stopes (beside, above, below) cannot be developed until curing complete
- Dependent on development progress, mining commences on a new level (approx. 40 metres depth) approx. each 12 months
- Commence with ‘centre slot’ on new level

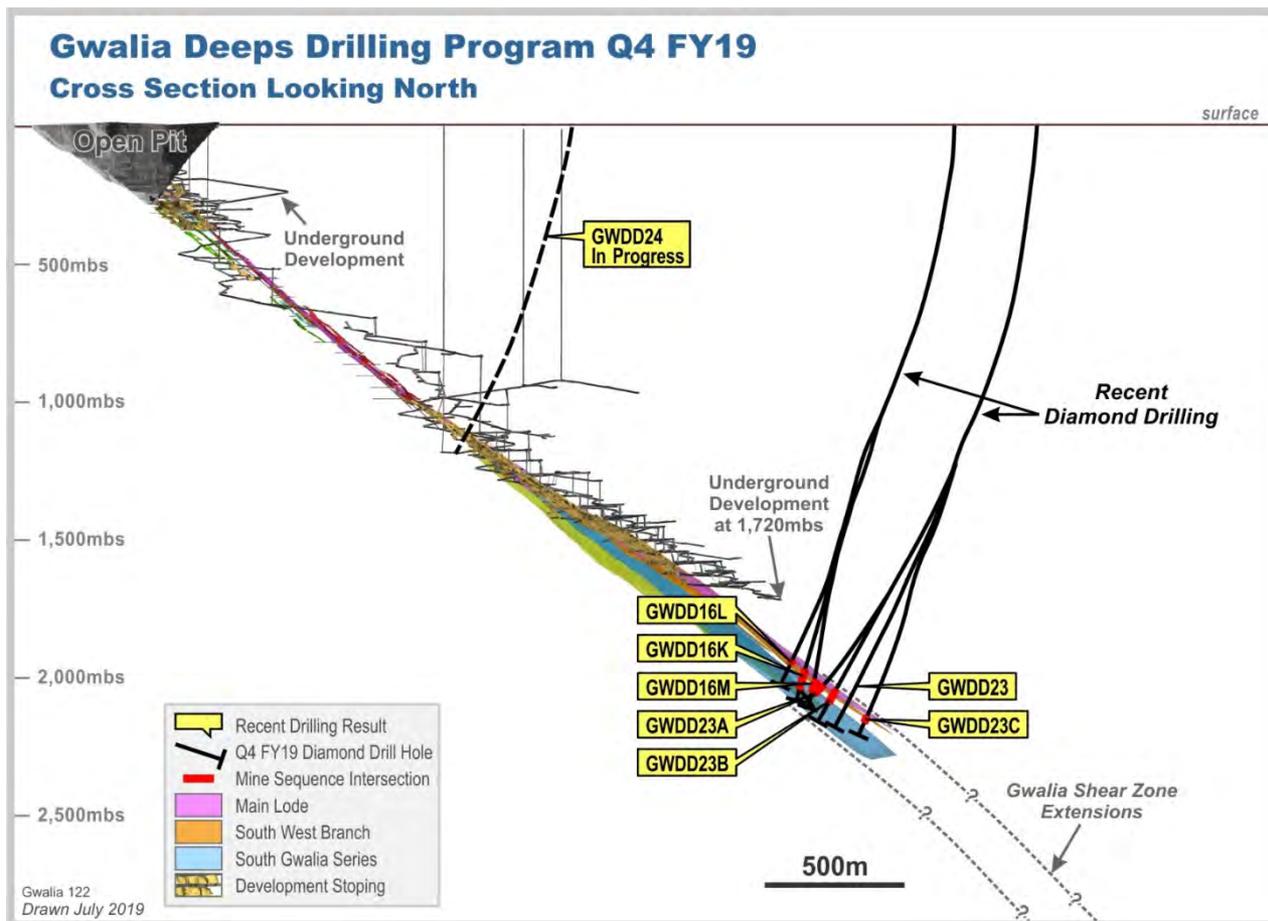
	Month						
	0	1	2	3	4	5	6
Adjacent stope curing	[Grey bar from Month 0 to 1]						
Development		[Yellow bar from Month 1 to 2]					
Raiseboring			[Green bar from Month 2 to 3]				
Production Drilling			[Blue bar from Month 3 to 4]				
Blasting & Bogging			[Red bar from Month 4 to 5]			‘Production’	
Paste filling & Curing						[Grey bar from Month 5 to 6]	

- Gwalia Extension Project (GEP) consists of two main components: a ventilation upgrade and paste aggregate fill (PAF)<sup>1</sup>
- Budget of A\$112 million with planned completion in Q2 December FY20<sup>2</sup>
- A\$100 million spent on project to date
- PAF crushing circuit on 1420 level is complete and commissioning has commenced
- Mechanical installation of equipment on 1460 level largely complete and electrical installation well progressed
- Dry commissioning of sections of 1460 PAF circuit to commenced in July. PAF completion expected in August
- Pilot drilling for final underground raisebore commenced in July
- High voltage power cable drop to 1460 level is complete



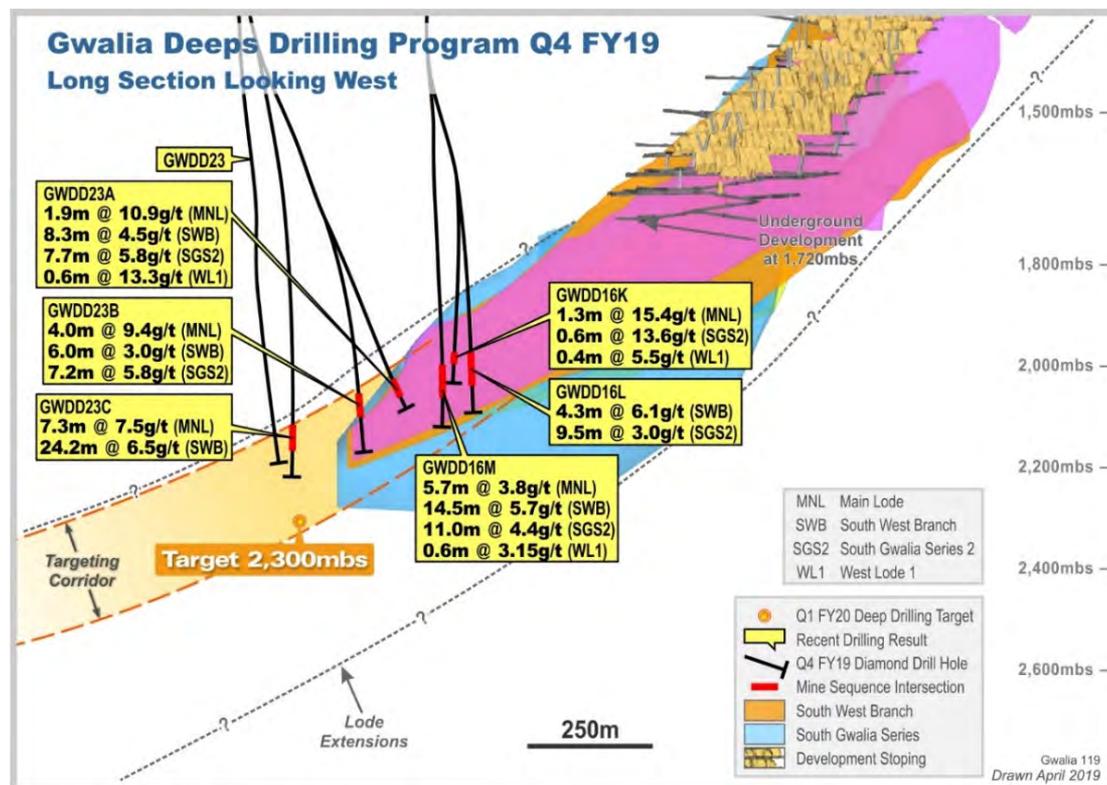
PAF chamber, 1420 mbs, March 2019

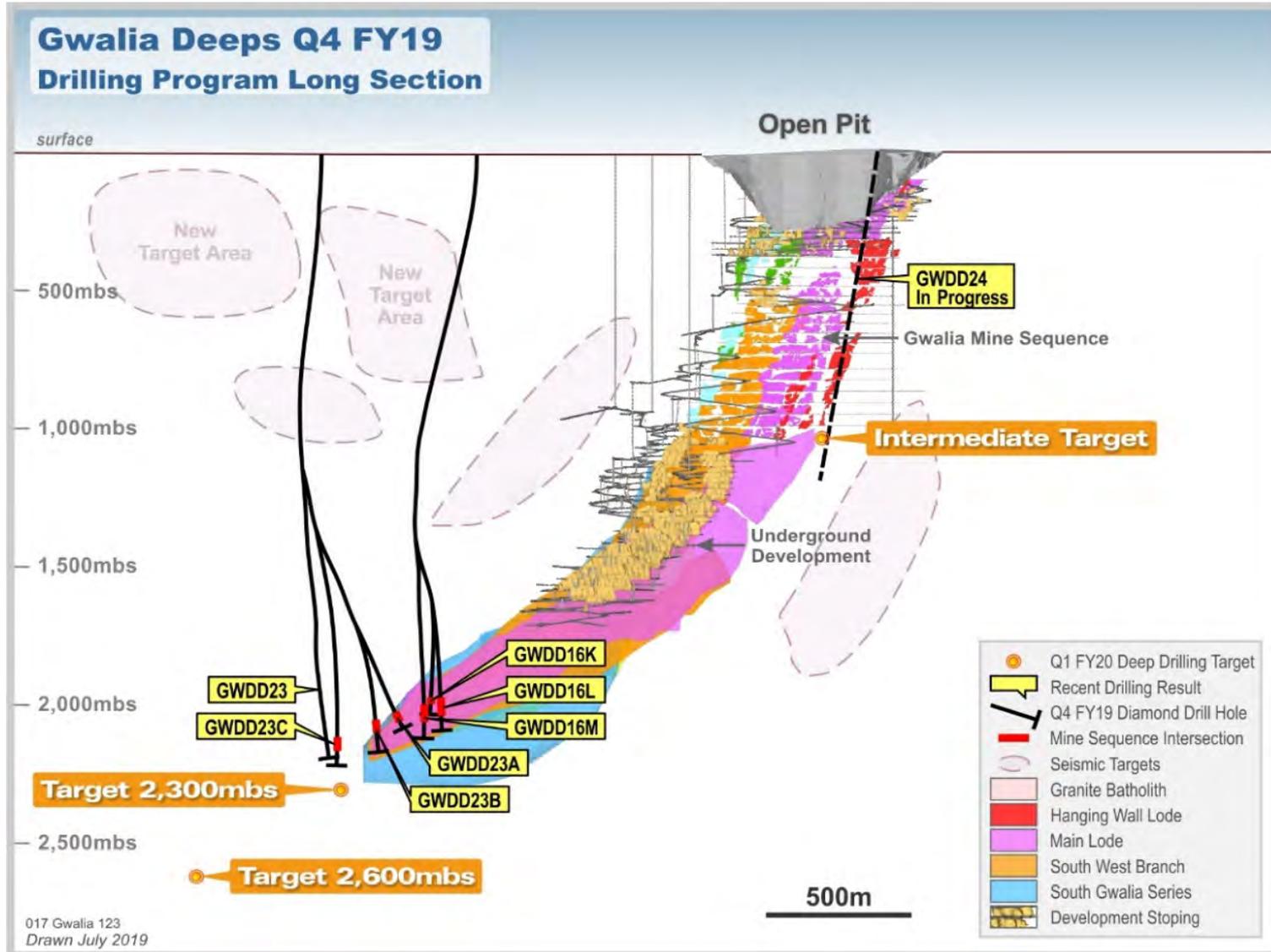


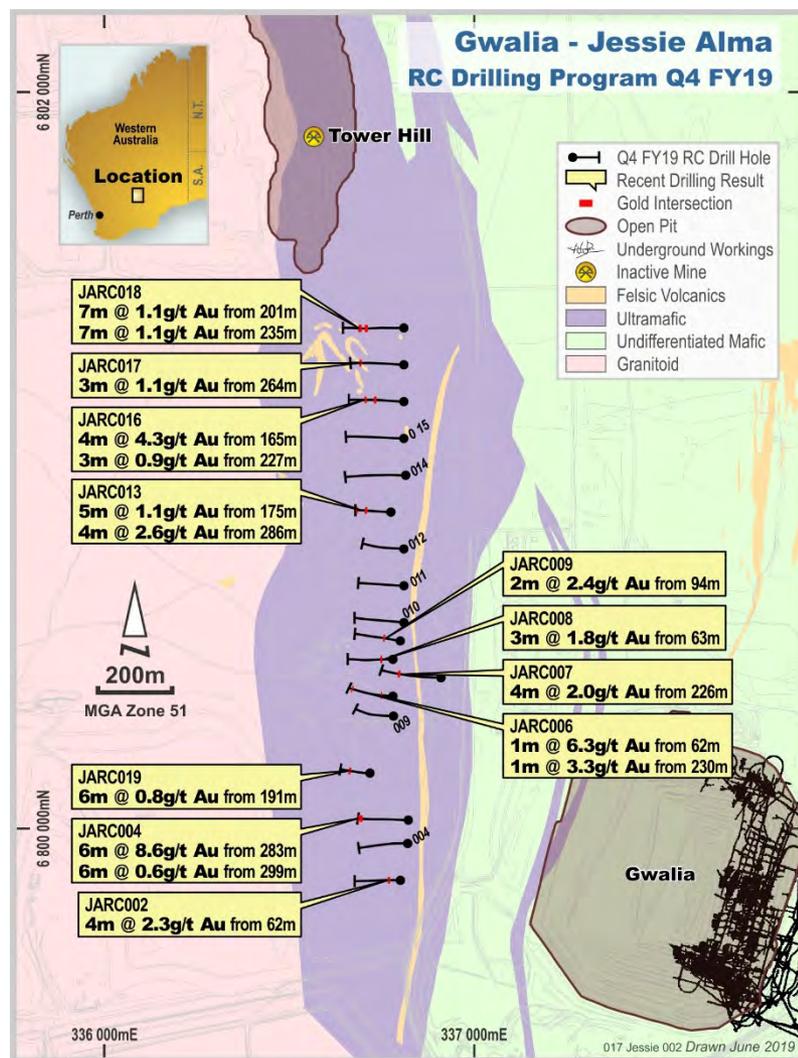


- Daughter holes GWDD16K, GWDD16L and GWDD16M intersected the mine sequence at 2,000 - 2,100 mbs
- Parent hole GWDD23 and daughter holes GWDD23A, GWDD23B and GWDD23C targeted the orebody at 2,100 - 2,200 mbs

- Extensive mineralised alteration and quartz veining encountered in GWDD23C has provided new information on the direction and thickening of the lode system
- Significant results include:
  - 14.5 m at 5.7 g/t Au from 2,084 mbs (GWDD16M)
  - 24.2 m at 6.5 g/t Au from 2,242 mbs (GWDD23C)

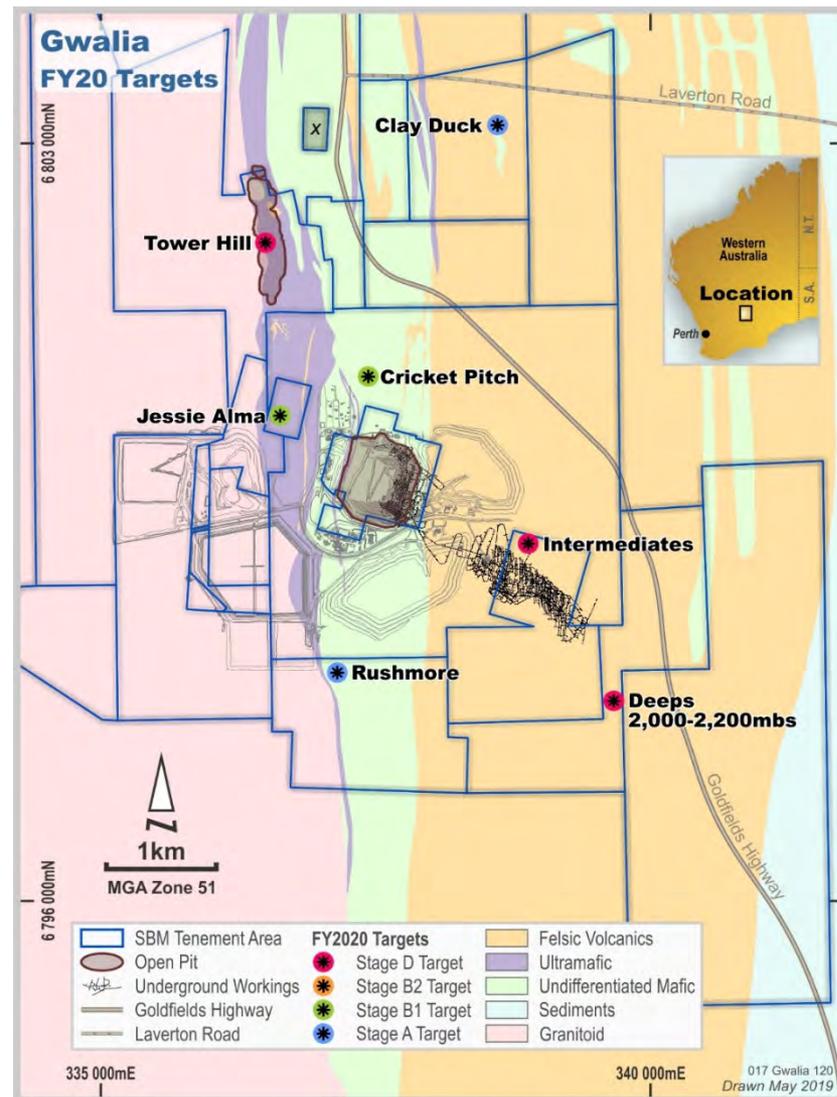
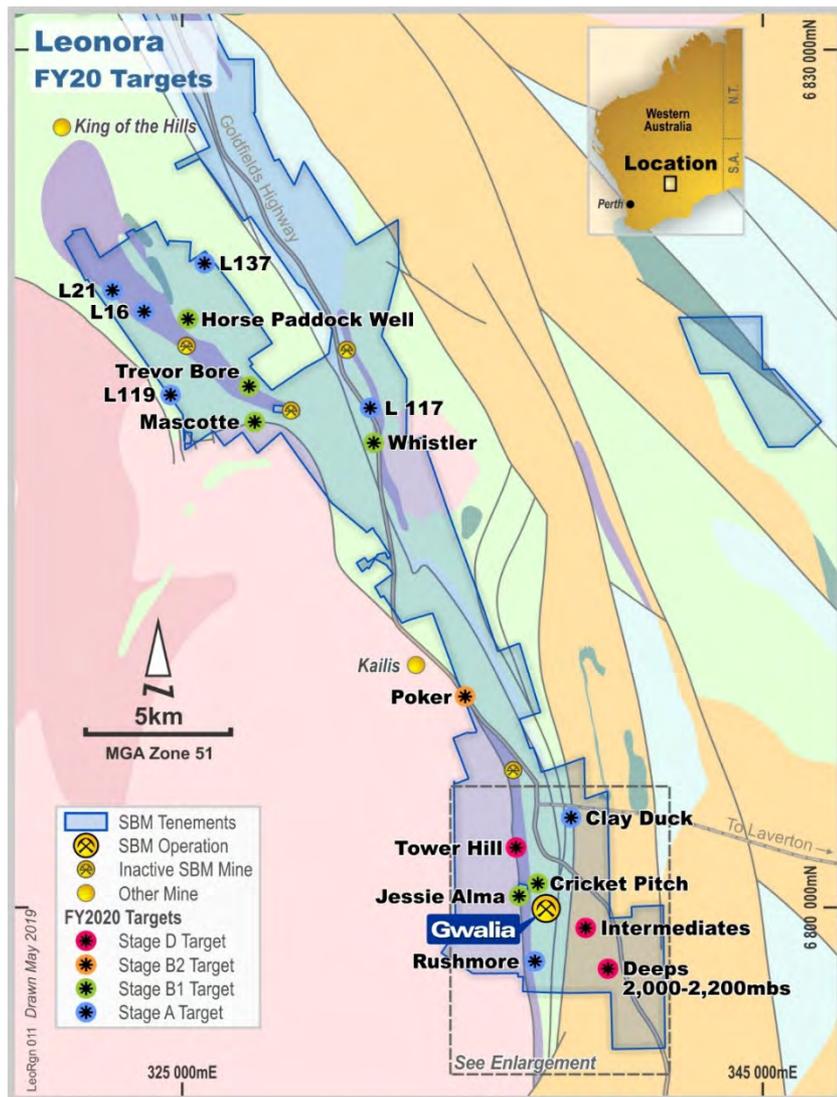


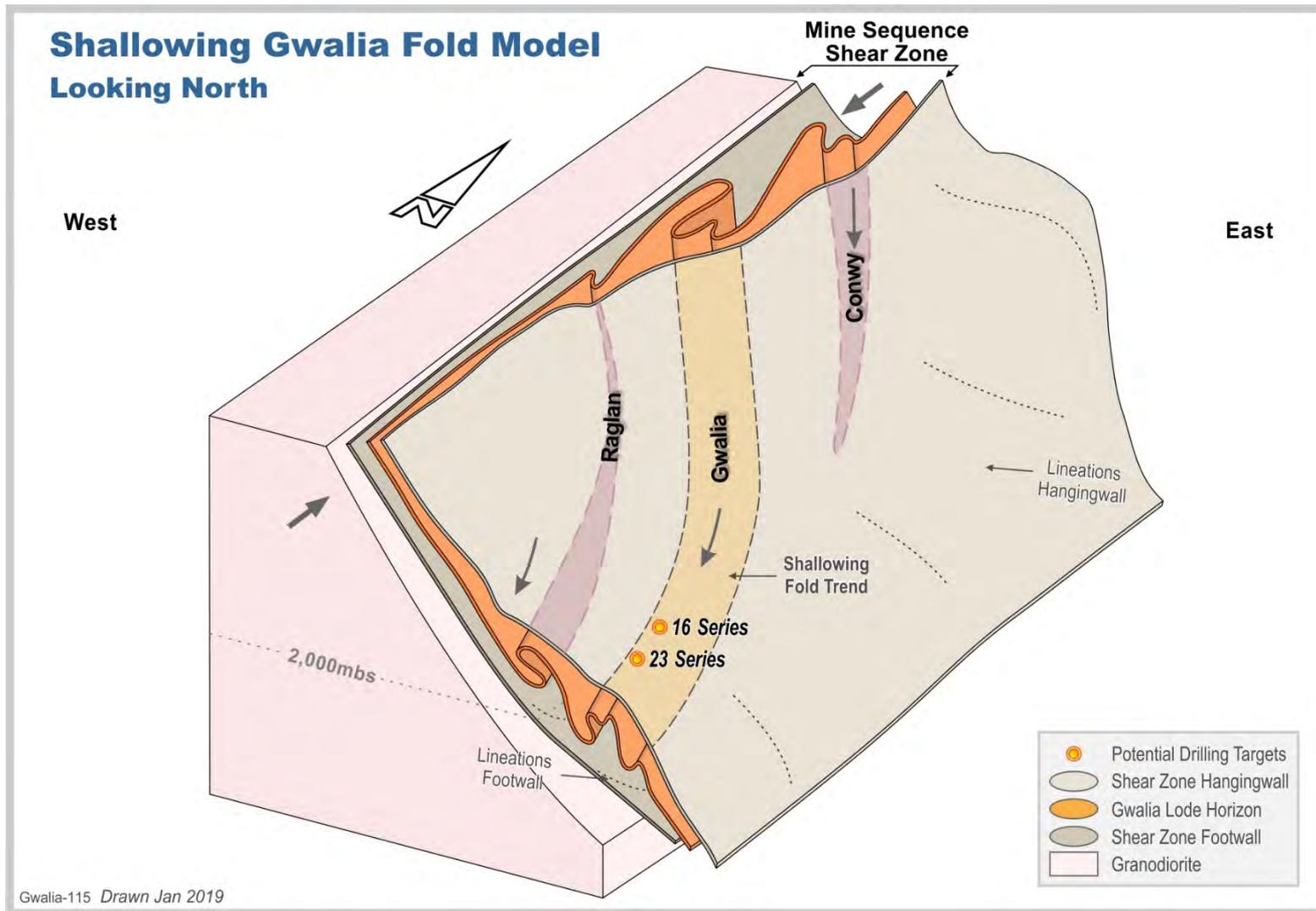




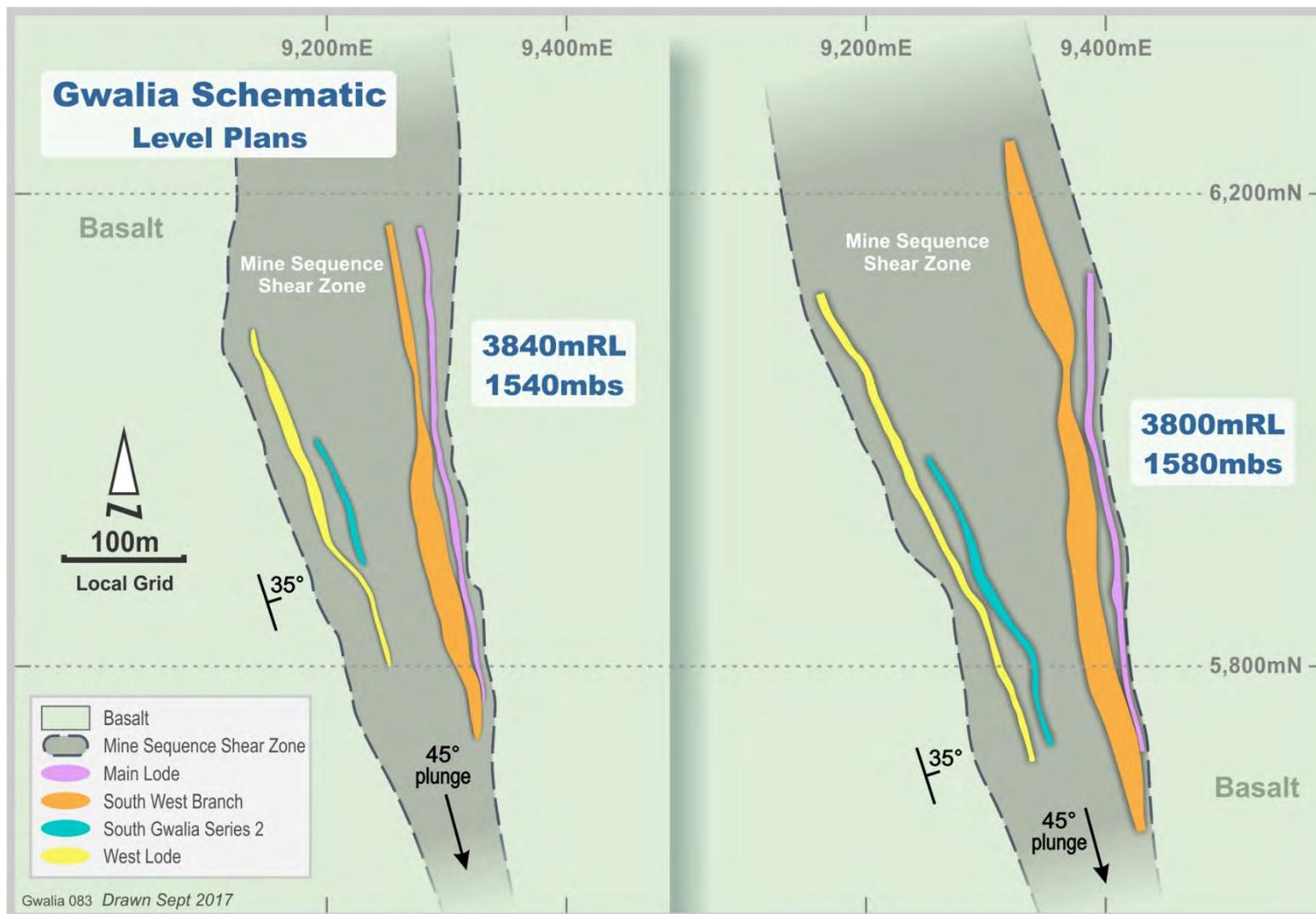
- An 18 hole RC drilling program was completed in April testing a 1.6km strike south of Tower Hill and 500 m west of the Gwalia Open Pit.
- Significant results from this program include (all intercepts down-hole):
  - 6.0 m @ 8.6 g/t Au from 283 m (JARC004)
  - 1.0 m @ 6.3 g/t Au from 230 m (JARC006)
  - 4.0 m @ 4.3 g/t Au from 165 m (JARC016)
- Follow up eight diamond hole drilling program planned for Q1 September FY20

# Exploration | Gwalia Regional Targets





# Gwalia Deeps 1540 – 1580 lode schematic





Underground at Gwalia

# Consolidated Production, Costs, Guidance Summary



Production Summary Consolidated		Year FY18	Q1 Sep FY19	Q2 Dec FY19	Q3 Mar FY19	Q4 Jun FY19	Year FY19	Guidance FY19 <sup>1</sup>	Guidance FY20
<i>St Barbara's financial year is 1 July to 30 June</i>		<i>Year to 30 June 2018</i>	<i>Qtr to 30 Sep 2018</i>	<i>Qtr to 31 Dec 2018</i>	<i>Qtr to 31 Mar 2019</i>	<i>9 months to 31 Mar 2019</i>	<i>Year to 30 June 2019</i>	<i>Year to 30 June 2019</i>	<i>Year to 30 June 2020</i>
<b>Production</b>									
<b>Gwalia</b>	oz	268,428	62,685	53,257	54,261	49,966	220,169	220 koz	200 to 210 koz
<b>Simberi</b>	oz	134,661	35,862	35,987	34,097	36,231	142,177	140 koz	110 to 125 koz
<b>Consolidated</b>	oz	<b>403,089</b>	<b>98,547</b>	<b>89,244</b>	<b>88,358</b>	<b>86,197</b>	<b>362,346</b>	<b>360 koz</b>	<b>310 to 335 koz</b>
<b>Mined Grade</b>								<u>Reserve grade<sup>2</sup></u>	
<b>Gwalia</b>	g/t	12.5	12.4	10.4	11.7	10.0	11.1	7.5	
<b>Simberi</b>	g/t	1.25	1.29	1.55	1.46	1.48	1.43	1.3	
<b>Total Cash Operating Costs<sup>3</sup></b>									
<b>Gwalia</b>	A\$/oz	613	665	806	713	821	746	n/a	n/a
<b>Simberi</b>	A\$/oz	969	952	1,027	1,066	1,021	1,016	n/a	n/a
<b>Consolidated</b>	A\$/oz	732	769	895	849	905	852	n/a	n/a
<b>All-In Sustaining Cost<sup>3</sup></b>									
<b>Gwalia</b>	A\$/oz	802	833	1,081	1,016	1,230	1,027	980 to 1,000	1,230 to 1,290
<b>Simberi</b>	A\$/oz	1,068	1,068	1,146	1,229	1,203	1,162	1,245 to 1,300 <sup>4</sup>	1,285 to 1,450 <sup>5</sup>
<b>Consolidated</b>	A\$/oz	<b>891</b>	<b>919</b>	<b>1,108</b>	<b>1,098</b>	<b>1,219</b>	<b>1,080</b>	<b>1,075 to 1,100</b>	<b>1,250 to 1,350</b>

1. Amended FY19 guidance released 17 June 2019 in 'Atlantic Gold acquisition and St Barbara operations update'.
2. Ore Reserve grade at 30 June 2018, refer Ore Reserve and Mineral Resources Statement (released 27 August 2018).
3. Non-IFRS measure, refer Appendix.
4. US\$895 to US\$935 per ounce @ AUD 0.72
5. US\$900 to US\$1,015 per ounce @ AUD 0.70

## St Barbara

- Responsible for
  - Planning
  - Processing
  - Procurement
  - Commercial
- Approx. 150 employees, mostly FIFO
- **Leonora facilities**
- 1.4 Mtpa plant
- 300 bed camp

## Other contractors

- ~ 80 contractors involved as required

## Byrnegut – contract mining

- Byrnegut is part of Gwalia's success
- Started at Gwalia in Sep 2012
- Alliance agreement from Sep 2013
- Approx. 230 employees

## Underground fleet

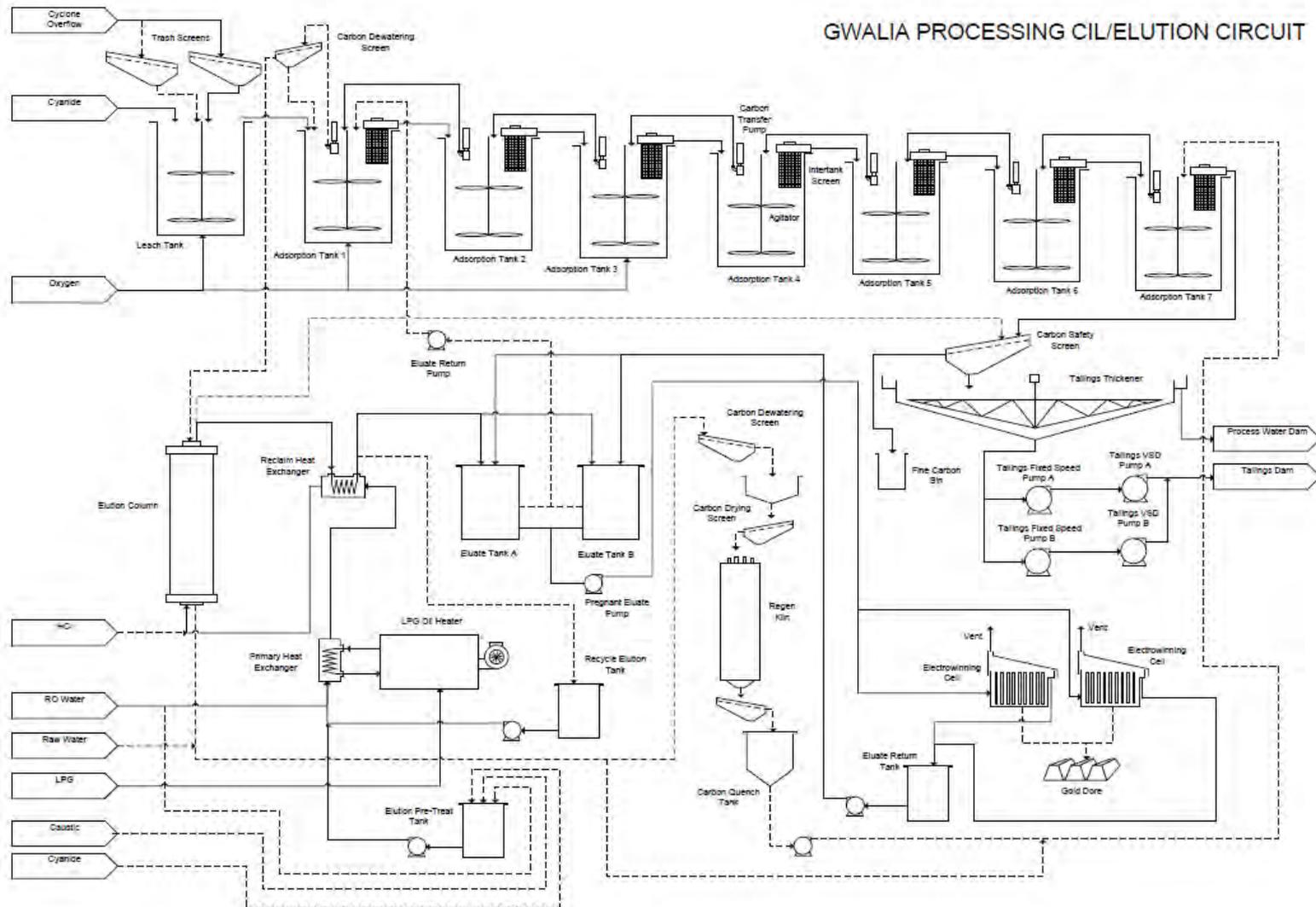
- 7 Drills
  - 4 x Jumbo (development)
  - 3 x Long hole (production)
- 5 Loaders
  - 3 x Production (remote capable)
  - 2 x Development
- 11 Trucks
  - 7 x Atlas Copco MT65 (65t)
  - 1 x Atlas Copco MT6020 (60t original)
  - 3 x Atlas Copco MT6020 (65t tub upgrade)

St Barbara is focused on working within the Leonora community.

### Sponsorships

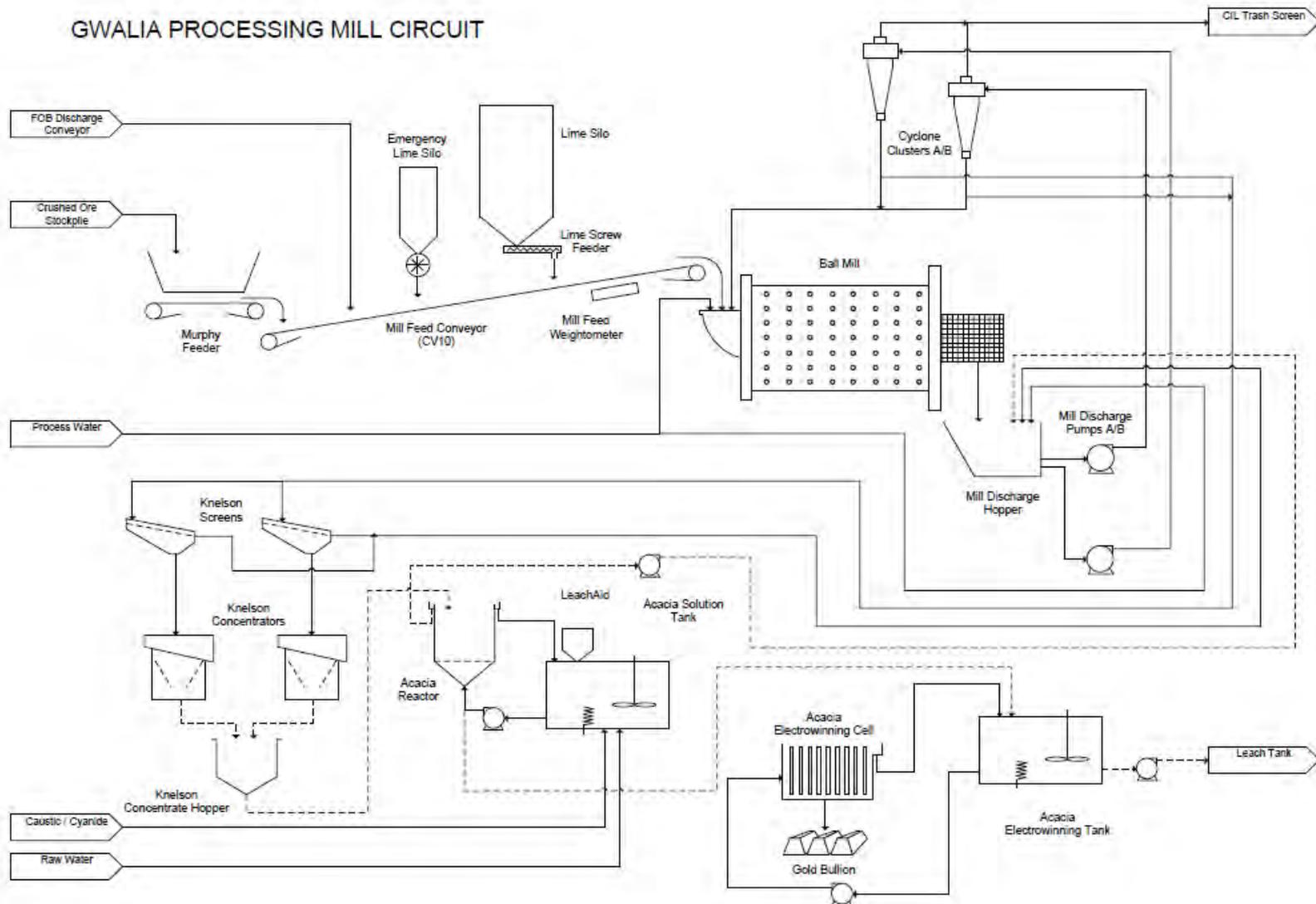
- Golden Gift (athletics carnival)
- Kambalda/Leonora Football Club
- Goldfields Girl (personal development program for young indigenous women)
- Shooting Stars (netball program for indigenous girls)
- Netball WA & Gold Industry Group partnership
- Indigihack technology and indigenous language event at Leonora District High School
- School HipHop video program
- St Barbara Leonora Cup



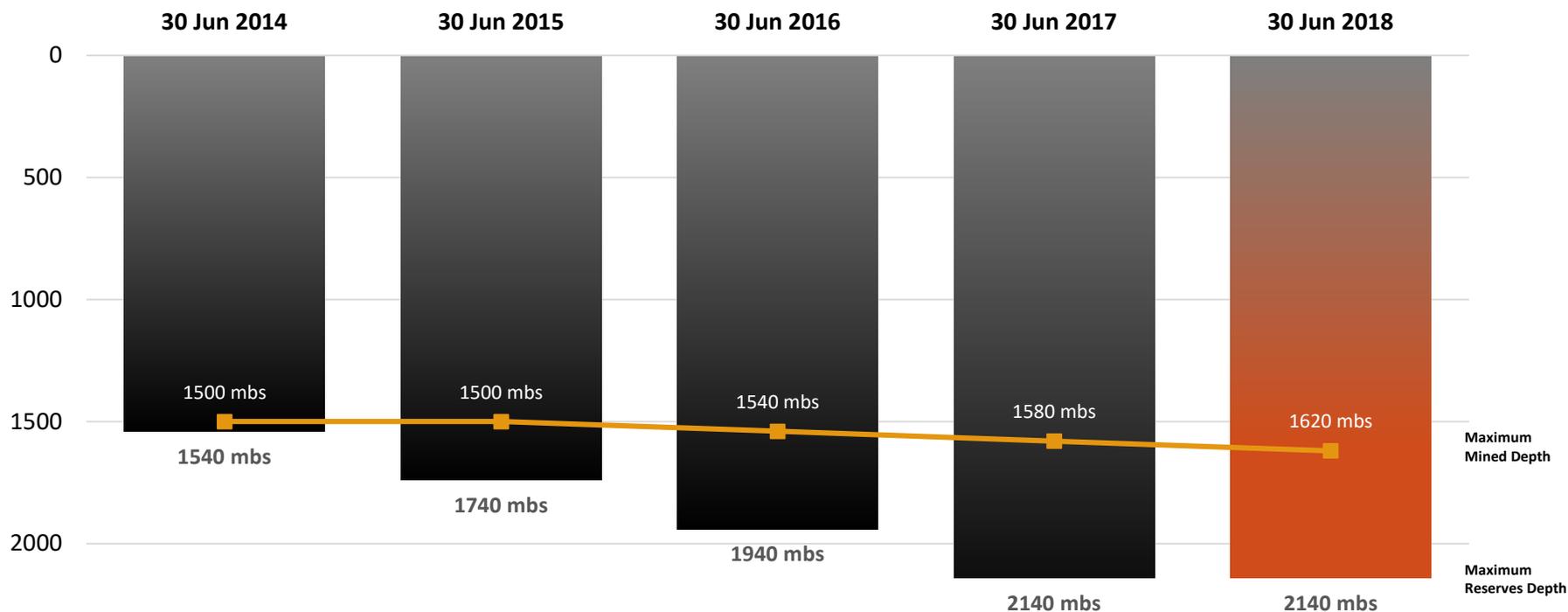




## GWALIA PROCESSING MILL CIRCUIT



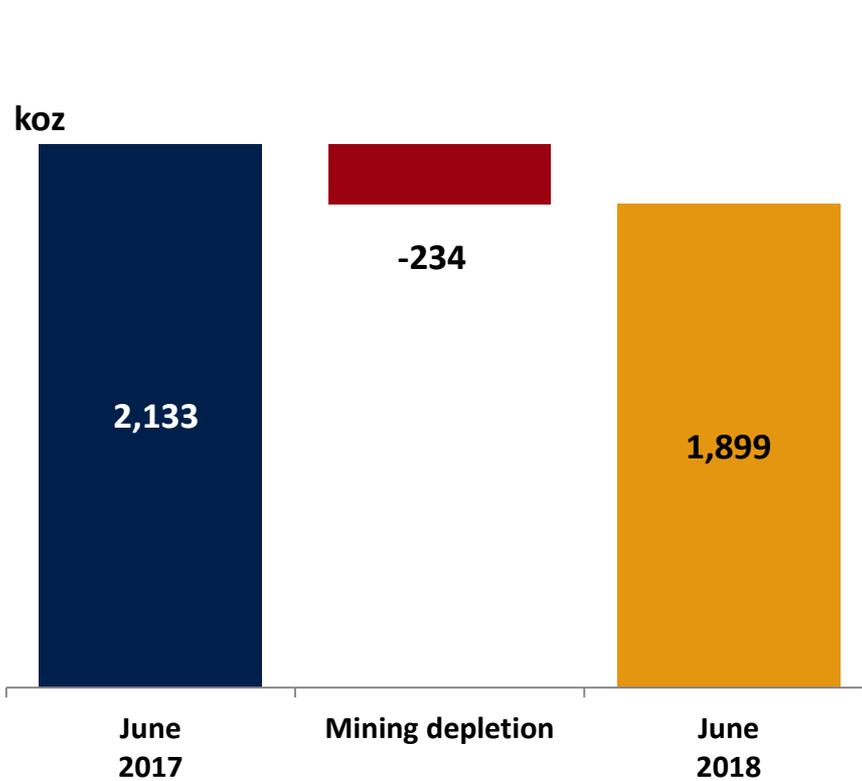
## Maximum Depth of Ore Reserves (mbs)



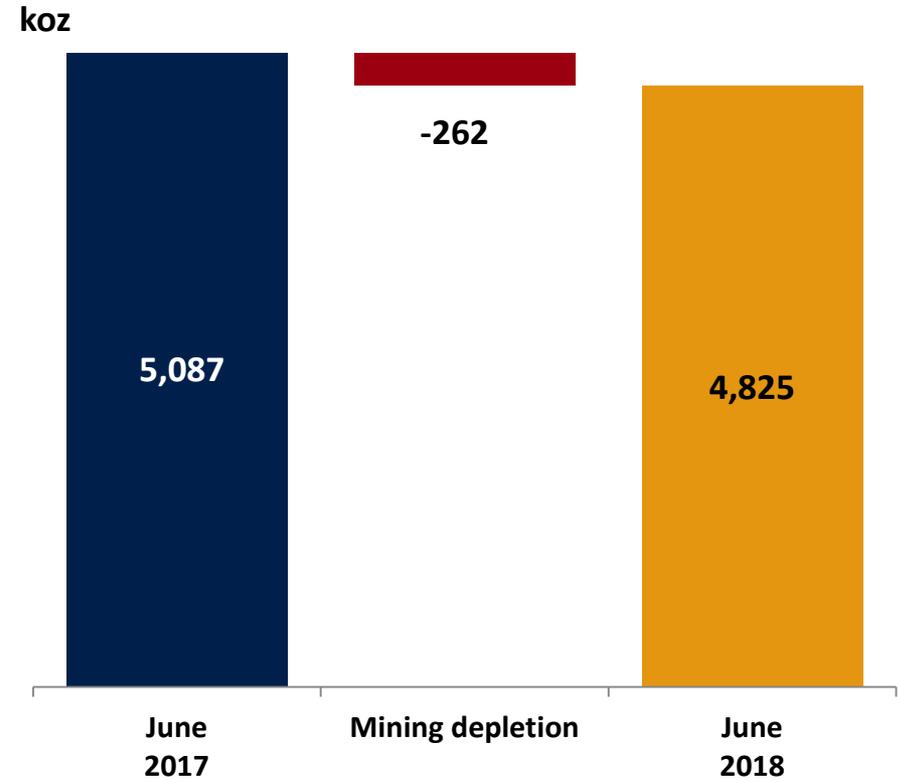
Ore Reserves and Mineral Resources Statements as at 30 June 2018 (released 27 August 2018)

For full details refer to ASX Announcement "Gwalia mine medium and long-term outlook" released on 21 February 2018.

## Gwalia Reserves



## Gwalia Resources



# Ore Reserves Summary as at 30 June 2018



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

## Notes

- 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)
- 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)
- Mineral Resources are reported inclusive of Ore Reserves.
- Data is rounded to thousands of tonnes and thousands of ounces. Discrepancies in totals may occur due to rounding.
- Details relating to each of the estimates are contained in the 2018 Annual Mineral Resource and Ore Reserve Report at [www.stbarbara.com.au/exploration/Ore-Reserves-mineral-resources/](http://www.stbarbara.com.au/exploration/Ore-Reserves-mineral-resources/)

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](http://www.stbarbara.com.au).

# Mineral Resources Summary as at 30 June 2018

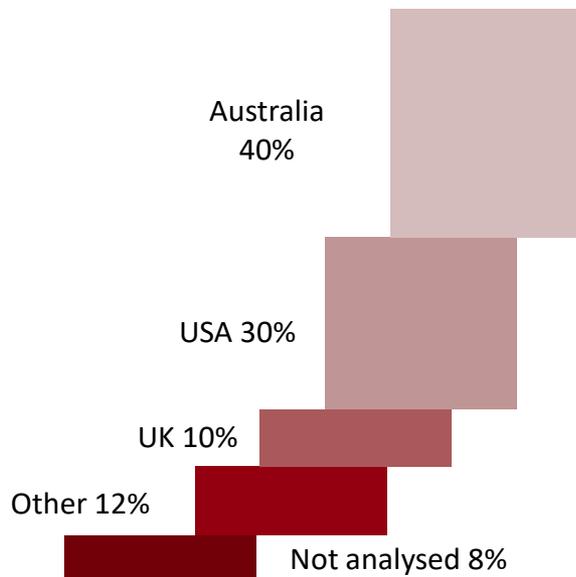
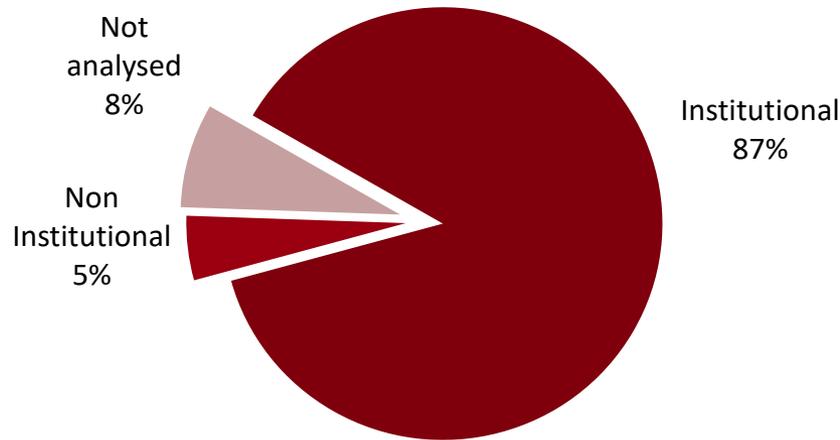


Project	Measured			Indicated			Inferred			Total		
	Tonnes ('000)	Gold (g/t)	Ounces ('000)	Tonnes ('000)	Gold (g/t)	Ounces ('000)	Tonnes ('000)	Gold (g/t)	Ounces ('000)	Tonnes ('000)	Gold (g/t)	Ounces ('000)
<b>Gwalia, (WA)</b>	4,581	7.1	1,048	14,690	6.3	2,997	3,831	6.3	780	23,102	6.5	4,825
<b>Tower Hill, (WA)</b>	-	-	-	4,604	3.9	574	489	3.3	51	5,093	3.8	625
<b>Simberi Oxide, (PNG)</b>	2,120	1.2	85	10,163	1.0	341	4,834	1.0	150	17,117	1.0	576
<b>Simberi Sulphide, (PNG)</b>	526	1.7	28	40,683	1.9	2,454	12,615	1.6	654	53,824	1.8	3,136
<b>Total All Projects</b>	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.
5. Details relating to each of the estimates are contained in the 2018 Annual Mineral Resource and Ore Reserve Report at [www.stbarbara.com.au/exploration/Ore-Reserves-mineral-resources/](http://www.stbarbara.com.au/exploration/Ore-Reserves-mineral-resources/)

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](http://www.stbarbara.com.au).



## Broker Research Coverage

Argonaut	James Wilson
Canaccord	Reg Spencer
Citi	Trent Allen
Credit Suisse	Mike Slifirski
GMR	David Radclyffe
Goldman Sachs	Matthew Frydman
JP Morgan	TBC
Macquarie	Ben Crowley
RBC	Paul Hissey

## Substantial Shareholders<sup>2</sup>

Van Eck	12%
Shares on issue	696M

American Depositary Receipts (ADR) trade in USA through BNY Mellon (ADR OTC Code 'STBMY')



## **Tim Netscher**

Chairman – Non Executive

*Appointed Director February 2014*

*Appointed Chairman July 2015*

Mr Netscher is an experienced international mining executive with extensive operational, project development, transactional and sustainability experience gained in senior executive and board roles over many years. Mr Netscher's experience covers a wide range of resources including nickel, coal, iron ore, uranium and gold and regions including Africa, Asia and Australia. Mr Netscher is a director of ASX listed Gold Road Resources Limited and Western Areas Limited.



## **David Moroney**

Director – Non Executive

*Appointed March 2015*

Mr Moroney is an experienced finance executive with more than 30 years' experience in senior corporate finance roles, including 15 years in the mining industry, and extensive international work experience with strong skills in finance, strategic planning, governance, risk management and leadership. Mr Moroney is an independent non-executive director of non-ASX listed WA Super (Western Australia's largest public offer superannuation fund) and Hockey Australia Ltd.



## **Stef Loader**

Director – Non Executive

*Appointed November 2018*

Ms Loader is a company director, geologist and former mining executive with experience in mining operations, mineral exploration and project development. Ms Loader's experience covers a wide range of commodities and regions including copper and gold in Australia, Laos, Chile and Peru, and diamonds in Canada and India. Ms Loader advises organisations, as a director and consultant, in the areas of leadership, strategy and regional economic development and is an independent non-executive director of ASX listed Clean TeQ Holdings Ltd.



## **Bob Vassie**

Managing Director and CEO

*Appointed July 2014*

Mr Vassie is a mining engineer with over 30 years' international mining industry experience and has 18 years' experience in a range of senior management roles with Rio Tinto. He has particular experience in operations management, resource development strategy, mine planning, feasibility studies, business improvement, corporate restructuring, and strategic procurement. Mr Vassie is an independent non-executive director of ASX listed Alliance Mineral Assets Limited.



## **Kerry Gleeson**

Director – Non Executive

*Appointed May 2015*

Ms Gleeson is an experienced corporate executive with over 25 years' boardroom and senior management experience across Europe, North America and Australasia. A qualified lawyer in both UK and Australia, Ms Gleeson has significant experience in international governance, strategic mergers and acquisitions and complex finance transactions, as well as in risk and crisis management. Ms Gleeson is a Non-Executive Director of Trinity College, University of Melbourne.



## **Steven Dean**

Director – Non Executive

*Appointed July 2019*

Mr Dean's extensive international mining experience includes a wide range of commodities and regions including gold in Canada and Australia, metallurgical coal in North America, and copper, zinc and energy in Canada, United States, Chile and Peru. Previously Chairman and CEO of Atlantic Gold Corporation, and former President of Teck Cominco Limited (now Teck Resources Ltd), Canada's largest diversified resource company, Mr Dean is a non-executive director of TSX listed Sierra Metals Inc, and Chairman of TSX listed Oceanic Iron Ore Corp.

# Executive Leadership Team



**Bob Vassie**

Managing Director and CEO

*Appointed 2014*

Mr Vassie is a mining engineer with over 30 years' international mining industry experience and has 18 years' experience in a range of senior management roles with Rio Tinto.

He has particular experience in operations management, resource development strategy, mine planning, feasibility studies, business improvement, corporate restructuring, and strategic procurement.



**Garth Campbell-Cowan**

Chief Financial Officer

*Joined 2006*

Mr Campbell-Cowan is a Chartered Accountant with 30 years' experience in finance and management positions across a number of different industries. He is responsible for the Group's Finance function, covering financial reporting and accounting, treasury, taxation, business analysis, capital management, procurement and information technology.

Prior to joining St Barbara, he was Director of Corporate Accounting at Telstra and has held senior finance leadership roles with WMC, Newcrest Mining and ANZ.



**Rowan Cole**

Company Secretary

*Joined 2010*

Mr Cole joined St Barbara in 2010 as General Manager Corporate Services and was appointed Company Secretary in 2014. He has over 30 years' experience across chartered accounting, retail banking, private and public companies.

Mr Cole's experience includes external, internal and IT audit, strategy formulation, execution and measurement, process and business improvement, marketing, financial services, head of risk and compliance, chief audit executive and chief financial and risk officer.



**Val Madsen**

General Manager Human Resources and HSEC

*Joined 2013*

Ms Madsen joined St Barbara in September 2013 and leads the Human Resources and Health, Safety, Environment and Community functions. With a Masters in Education and a number of other business qualifications and accreditations, Ms Madsen has particular experience in organisational development, training and development, diversity and employee engagement.

Prior to joining St Barbara, Val worked for Newcrest Mining and has extensive experience in Human Resources.

## Exploration Results

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](http://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.

*Full details are contained in the ASX release dated 27 August 2018 '*Ore Reserves and Mineral Resources Statements 30 June 2018*' available at [stbarbara.com.au](http://stbarbara.com.au).*

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 [www.stbarbara.com.au](http://www.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 [www.stbarbara.com.au](http://www.stbarbara.com.au) for example

**Rowan Cole**

Company Secretary

**David Cotterell**

Manager Investor Relations

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