



## Presentation on Q3 March FY21 Quarterly Report and audio webcast

Craig Jetson, Managing Director & CEO, will brief analysts and institutional investors on the Q3 March FY21 Quarterly Report at 11:00 am Australian Eastern Standard Time (UTC + 10 hours) on Wednesday 28 April 2021.

### Analysts and institutional investors

Analysts and institutional investors can register for the briefing at <https://s1.c-conf.com/diamondpass/10013320-gb65c4.html>

### Shareholders and media

A live audio webcast of the briefing will be available on St Barbara's website at [stbarbara.com.au/investors/webcast/](http://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.

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# Q3 March FY21 Quarterly Presentation

28 April 2021



**Craig Jetson**

Managing Director and Chief Executive Officer



# Disclaimer



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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.

**Non-IFRS financial information:** We supplement our financial information reporting determined under International Financial Reporting Standards ("IFRS") with certain non-IFRS financial measures, including cash operating costs. Details of these are set out in the Supplement.

Financial figures are in Australian dollars unless otherwise noted. Financial year is 1 July to 30 June. This presentation is not audited.

Unless otherwise noted, information in this report that relates to Mineral Resources or Ore Reserves is extracted from the report titled 'Ore Reserves and Mineral Resources Statements 30 June 2020' released to the ASX on 24 August 2020. Full details of recent exploration results in ASX release 28 April 2021 '*Q3 March FY21 Quarterly Report*'.

Australian Securities Exchange (ASX) Listing code "SBM"

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

Title slide picture: Atlantic Operations, Nova Scotia

Published: 28 April 2021





## Acknowledgement of Country

We at St Barbara acknowledge the Traditional Custodians of the land upon which we operate and recognise their unique cultural heritage, beliefs and connection to these lands, waters and communities.

We pay our respects to all members of these Indigenous communities, and to Elders past, present, and emerging. We also recognise the importance of continued protection and preservation of cultural, spiritual and educational practices.

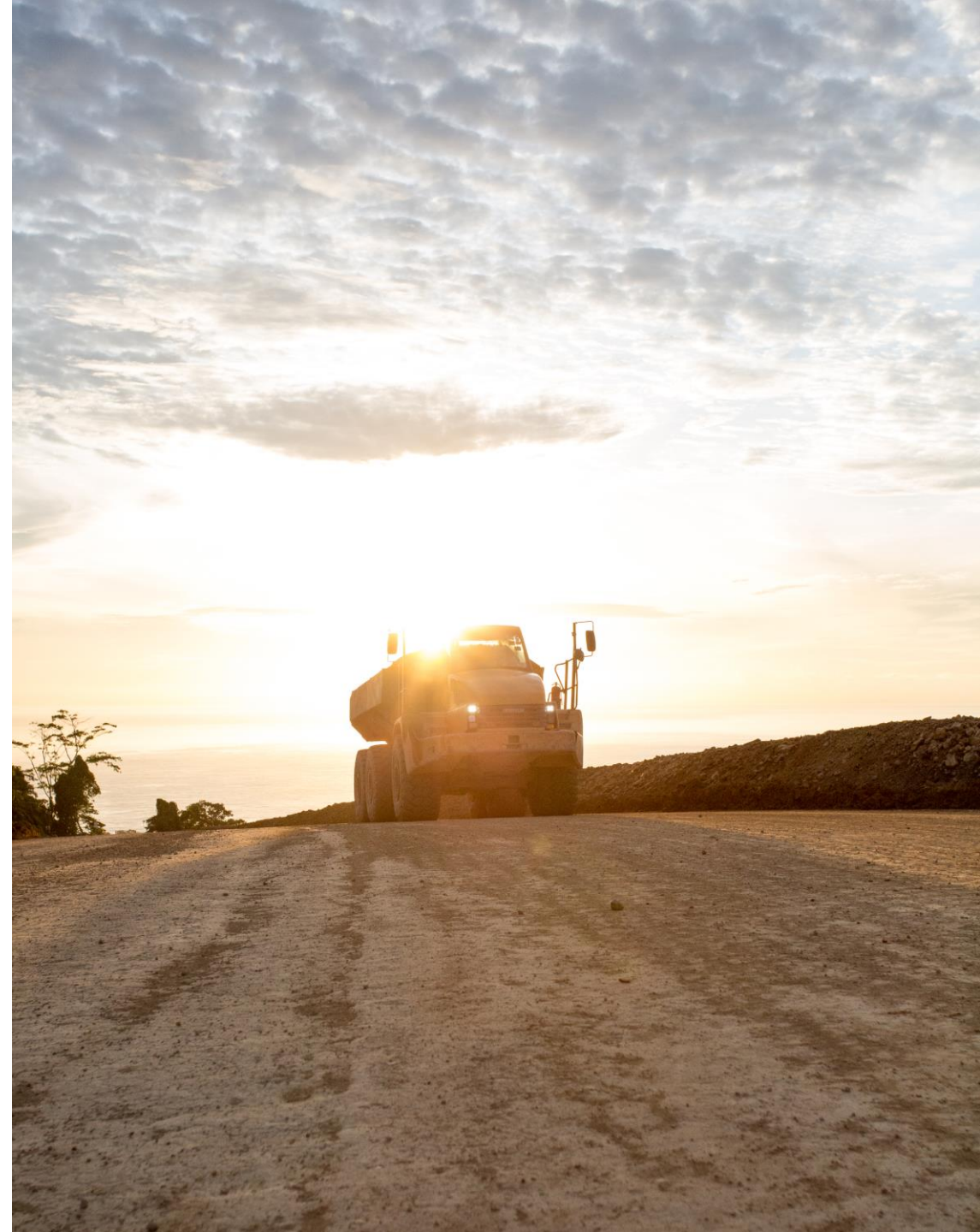
Because we value treating all people with respect, we are committed to building successful and mutually beneficial relationships with the traditional custodians throughout our areas of operation.





# Contents

- **We are St Barbara**
- **Safety Always**
- **Q3 FY21 Achievements**
- **Future Brownfield Growth & Building Brilliance**
- **Q3 FY21 Highlights & Operational Performance**
- **Project Update and Timeline**
- **Deliver to Promise**



# St Barbara is taking action across our sustainability commitments



## SAFETY ALWAYS

Target is **Zero Harm**  
**TRIFR<sup>1</sup> of 3.7** in Q3 Mar  
FY21

**Embed CARE<sup>2</sup>**  
**behaviours** across all  
operations

**93%** of employees  
strongly felt COVID-19  
is being managed well  
by the company



## EMPOWERED PEOPLE DIVERSE TEAMS

We are the only mining  
company to be a  
**WGEA<sup>3</sup> Employer of  
Choice** (2015-2021)

Inclusion in Bloomberg  
Gender-Equality Index  
One of 10 Australian  
companies of 380  
worldwide included

Signatory to **UN  
Women's  
Empowerment  
Principles**



## STRONGER COMMUNITIES

**Modern Slavery**  
Statement released

Extending 'CARE' to  
community – mental  
health, domestic  
violence & community  
wellbeing

Conducting site  
baseline compliance  
assessments

Five year partnership  
with St Mary's  
University - Nova  
Scotia



## RESPECTING THE ENVIRONMENT

**Carbon neutral by  
2050**

Targeting **18%  
reduction in CO<sub>2</sub> per  
ounce of gold  
produced** by 2030

Improving education  
and awareness of  
environmental risks



## GROWING SUSTAINABLY

Growing our business  
sustainably, where it  
makes sense, and with  
strong governance  
practices, means we can  
add value for everyone:  
our shareholders, our  
people and our  
communities.

1. Total Recordable Injury Frequency Rate (12 month average, total recordable injuries per million hours worked)  
2. CARE stands for the following behaviours: C = Control; A = Action; R = Respect; E = Engage  
3. Australian Workplace Gender Equality Agency ([www.wgea.gov.au](http://www.wgea.gov.au))

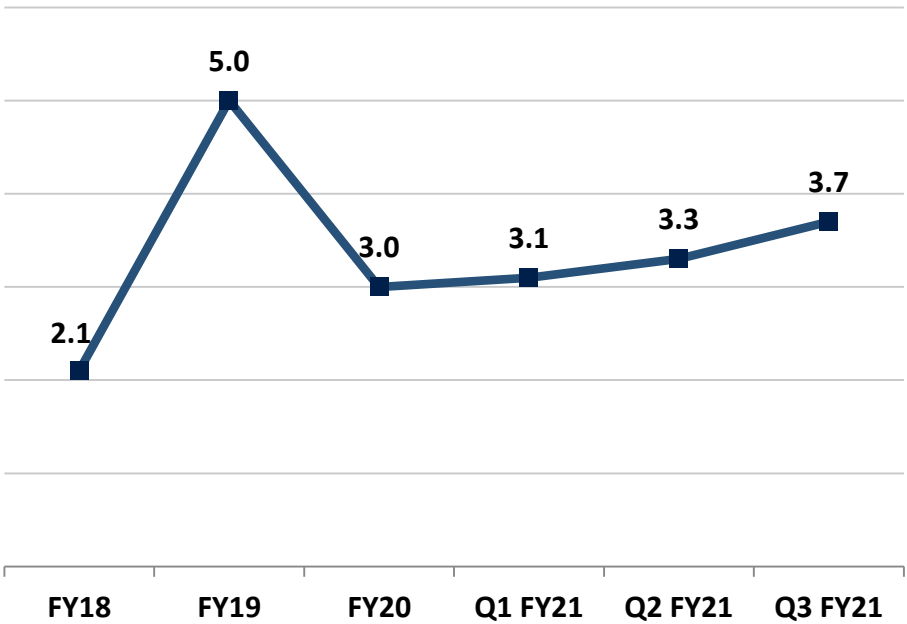
# Safety Always



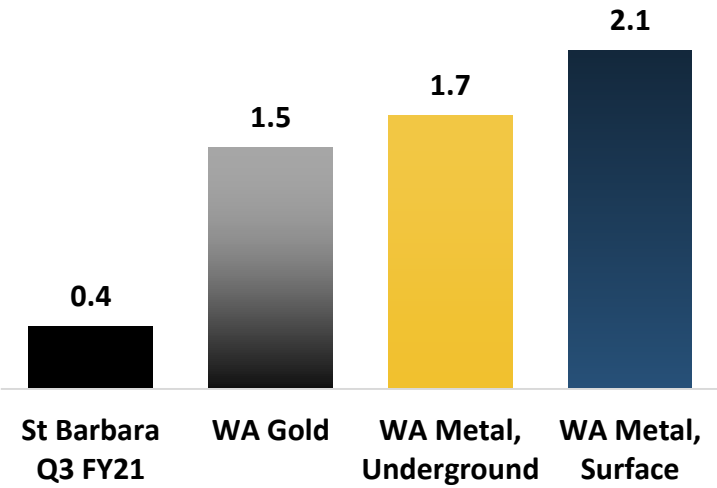
**SAFETY  
ALWAYS**

Zero harm is always our target.  
Zero harm to all people as we responsibly operate our assets to their full potential.  
This focus on safety guides everything we do.

**Total Recordable Injury Frequency Rate (TRIFR)<sup>1</sup>**



**St Barbara LTIFR<sup>2</sup> in comparison with Western Australian Mining benchmarks<sup>3</sup>**



Priority areas of focus in Q3 FY21:

- 1. Whole of business focus on CARE (C = Control; A = Action; R = Respect; E = Engage)
- 2. Safely transitioning to new underground mining contractor at Gwalia

1. Total Recordable Injury Frequency Rate (12 month avg.), total recordable injuries per million hours worked  
2. Lost Time Injury Frequency Rate (12 month avg.), the number of lost time injuries per million hours worked  
LTIFR comparison not available for Canada, where common safety measure is number of lost time injury claims per 100 workers.  
3. [http://www.dmp.wa.gov.au/Documents/Safety/MSH\\_Stats\\_Reports\\_SafetyPerfWA\\_2018-19.pdf](http://www.dmp.wa.gov.au/Documents/Safety/MSH_Stats_Reports_SafetyPerfWA_2018-19.pdf)

# Working safely during COVID-19



## St Barbara COVID-19 Management Framework



- The COVID-19 situation in PNG deteriorated during the quarter with a large increase in community transmissions
- By the end of March, a number of Simberi employees and community members tested COVID-19 positive. An onsite quarantine camp is serving to protect other employees
- While medical care and support has ensured the recovery of the majority of cases, two employees passed away from medical complications while positive for COVID-19
- Simberi has continued to implement St Barbara's COVID-19 protocols, with support and guidance from external medical specialists and additional controls to limit people movement



## Q3 March FY21 – Key Achievements

1 **Strong March** performance delivered 50% of production for quarter

2 **Solid operational cash contribution** with A\$41 M generated

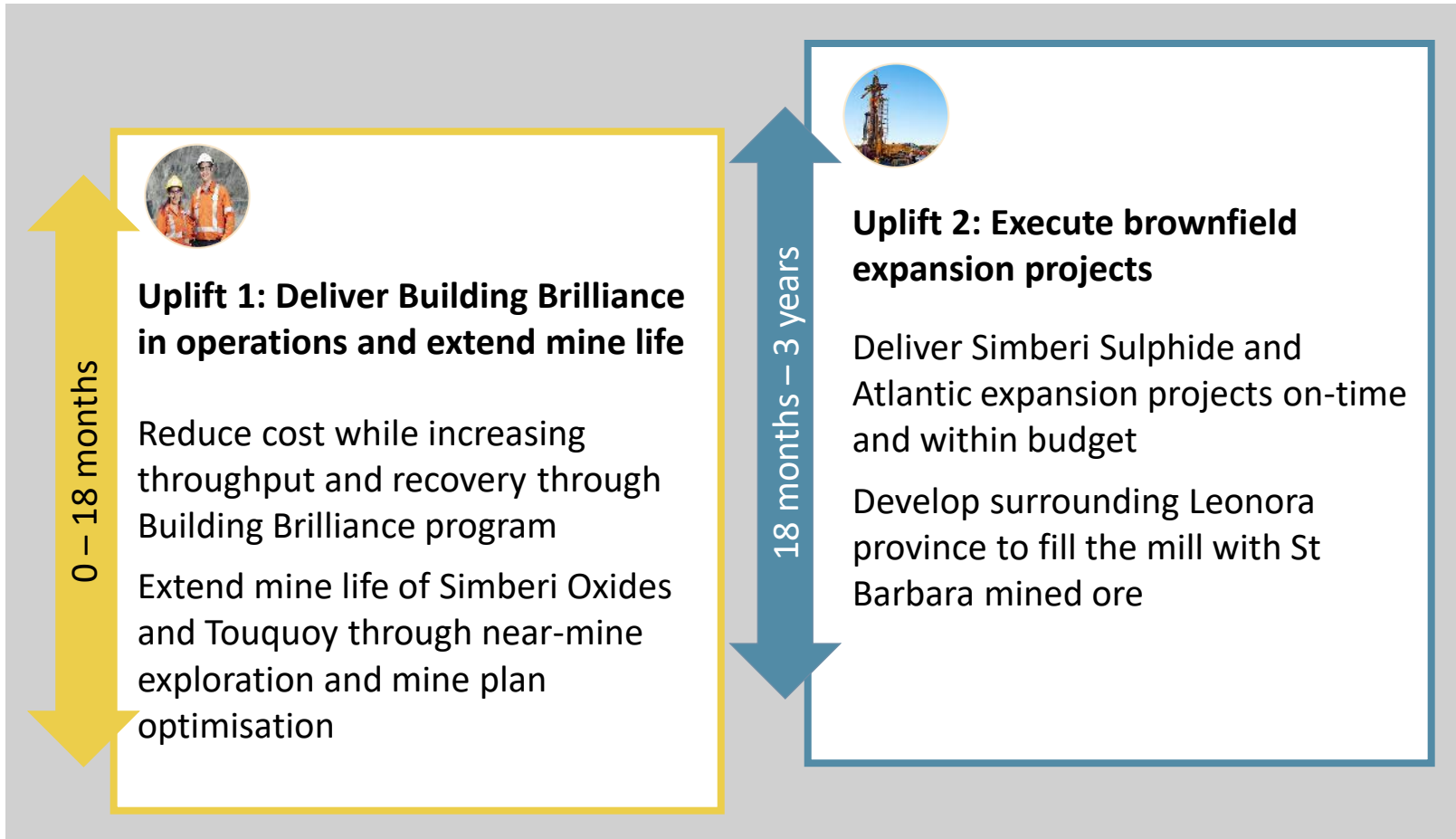
3 Progressed a number of the **Value Unlocks**:

- **Leonora Province Plan:** model reviews, together with pit optimisations and planned mill studies will be discussed in June quarter
- **Simberi Sulphide Feasibility Study:** the Board has approved pre-investment capital of US\$13 M to further de-risk the project
- **Atlantic Operations:** the Environmental Impact Statement (EIS) for Fifteen Mile Stream was submitted in February, with revised EIS for Beaver Dam expected to be submitted in May

4 **Continued to operate safely with COVID-19 headwinds**



# Building Brilliance at St Barbara and future Brownfield Growth



- **Leonora Province Plan** is progressing with a detailed update expected in the June quarter
- **Building Brilliance** initiatives are driving improvements with March performance the strongest in FY21
- **Simberi Sulphide Feasibility Study** results highlight a robust project, with Board approval for pre-investment capital
- **EIS submitted** for Fifteen Mile Stream in early February and Beaver Dam revised submission expected in May



Building Brilliance program is on-track to deliver significant performance uplifts at our Atlantic and Gwalia operations



Cumulative annualised cash contribution (A\$M)		
	Delivery to date	FY21 Target
Atlantic	6	10-12
Leonora	12	15-20
Simberi <sup>1</sup>	-	5-8
Total	18	30-40

1. Simberi improvement targets remain unchanged, but execution timeline is currently under review.

**We are validating the success of our Building Brilliance initiatives by monitoring KPIs that drive business performance improvement**

	Key Performance Indicator	FY20	March FY21	% Change
<b>Atlantic</b>	Mill throughput (tph)	331	349	5
	Mill availability (%)	90.9	98.2	8
	Recovery (%)	92.0	94.5	3
<b>Leonora</b>	Development rate (m/day)	11.8	13.4	14
	Tonne-kilometres ('000/day)	33.7	40.4	20
	Total material moved (kt/day) <sup>1</sup>	2.1	2.6	24





## GROWING SUSTAINABLY

Growing our business sustainably, where it makes sense, and with strong governance practices, means we can add value for everyone: our shareholders, our people and our communities.

### Operational performance

- 82 koz produced at AISC of A\$1,649/oz (Q2: 90 koz at A\$1,517/oz)
- March performance was substantially improved across all three operations driven by Building Brilliance initiatives
- June quarter performance expected to deliver FY21 consolidated production guidance at the lower end of the range

### Financial metrics

- Operational cash contribution of A\$41 M (Q2: A\$83 M)
- 71,329 gold sold at average realised gold price of A\$2,247 per ounce (Q2: A\$2,126 per ounce)

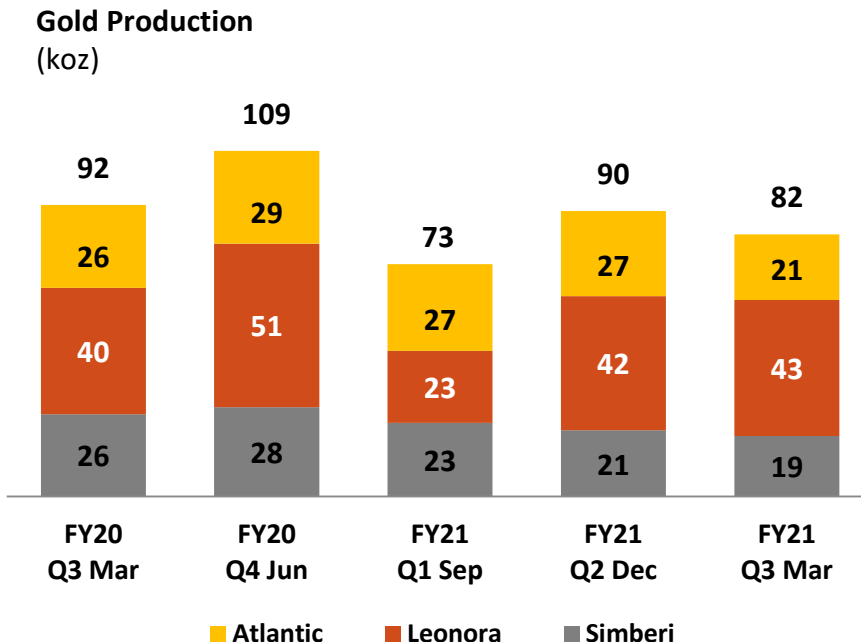
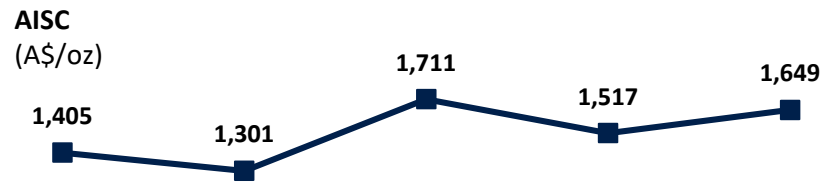
### Capital management

- A\$100 M cash at bank, after dividend payments of A\$23 M, income tax payments of A\$9 M, growth capex of A\$7 M and exploration expenditure of \$6 M
- A\$102 M debt (Q2: \$102 M)

### Growth

- Board approval for pre-final investment work at Simberi Sulphide Project
- Update on Leonora Province Plan expected in June quarter
- Beaver Dam revised Environmental Impact Study to be submitted in May

# Consolidated Q3 March FY21 Results



Figures displayed to nearest thousand ounces. Reported ounces in table in Appendix.

## Q3 FY21 AISC

- **Consolidated** A\$1,649/oz (Q2: A\$1,517/oz)
- **Atlantic** A\$1,128/oz (Q2: A\$999/oz)
- **Leonora** A\$1,555/oz (Q2: A\$1,573/oz)
- **Simberi** A\$2,426/oz (Q2: A\$2,070/oz)

## Q3 FY21 Production

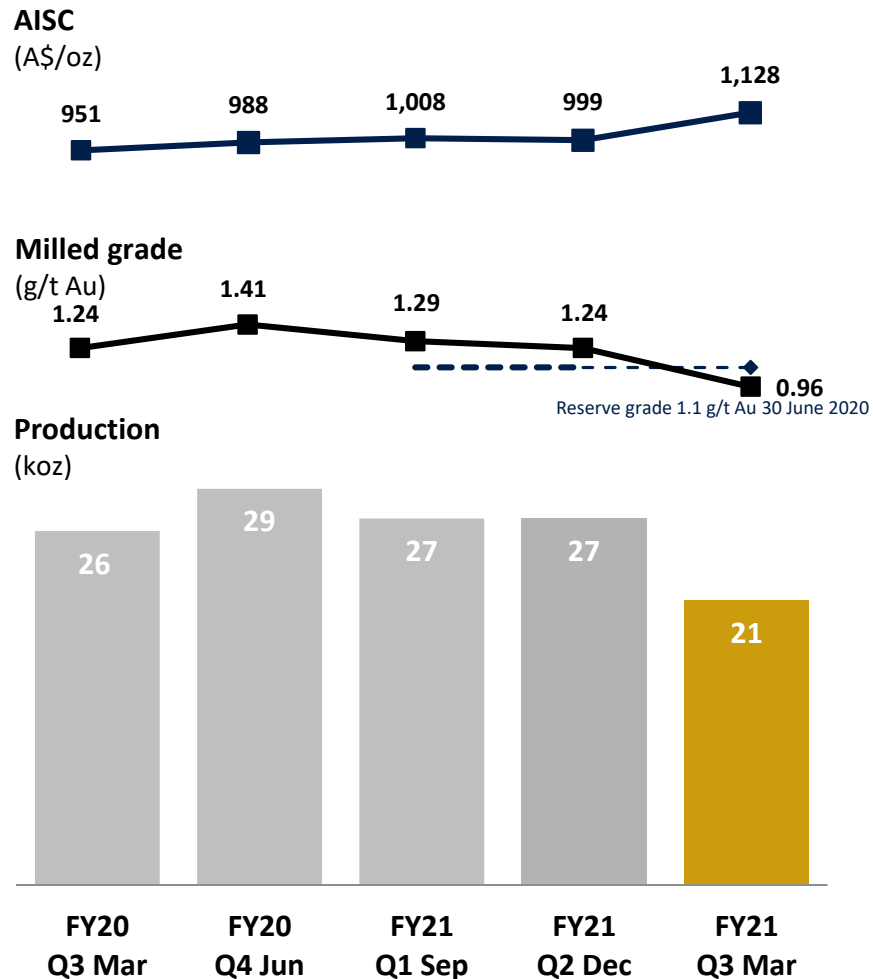
- **Consolidated** 82 koz (Q2: 90 koz)
- **Atlantic** 21 koz (Q2: 27 koz)
- **Leonora** 43 koz (Q2: 42 koz)
- **Simberi** 19 koz (Q2: 21 koz)

Consolidated Q3 FY21 production included 41 koz in March, with January and February production lower (particularly at Leonora) due to the focus on debottlenecking Gwalia by increasing mine development.

Strong March performance expected to continue in Q4 FY21



# Atlantic Q3 FY21 Results



## Q3 FY21 production

- 20,606 oz (Q2: 26,693 oz)
- AISC A\$1,128/oz (C\$1,104/oz)  
(Q2: A\$999/oz (C\$952/oz))
- Production was impacted by weather events and winter operating conditions, with lower grade due to the use of medium-grade stockpiles as supplementary ore.
- Beaver Dam revised Environmental Impact Statement expected to be submitted in May 2021

## Updated FY21 Guidance

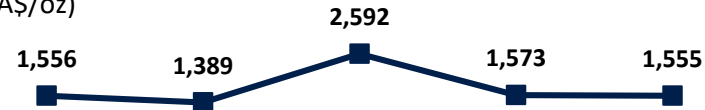
- Production of 100 to 110 koz  
(prev. 100 to 115 koz)
- AISC of A\$958 to A\$1,050/oz<sup>1</sup>  
(prev. A\$955 to A\$1,100/oz)
- Sustaining capex of A\$15 to A\$20 M
- Growth capex of A\$15 to A\$20 M

1. C\$920 to C\$1,010 per ounce at AUD/CAD of 0.96 (prev. C\$880 to C\$1,010 per ounce at AUD/CAD of 0.92)

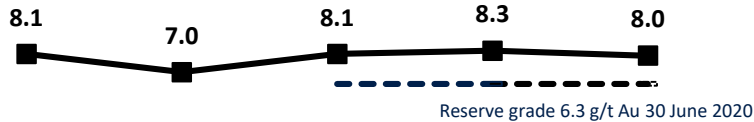
# Leonora Q3 FY21 Results



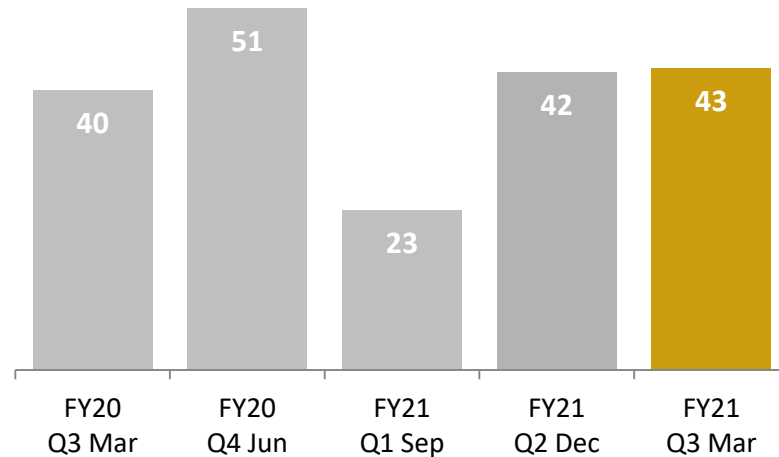
**AISC**  
(A\$/oz)



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



**Gold Production**  
(koz)



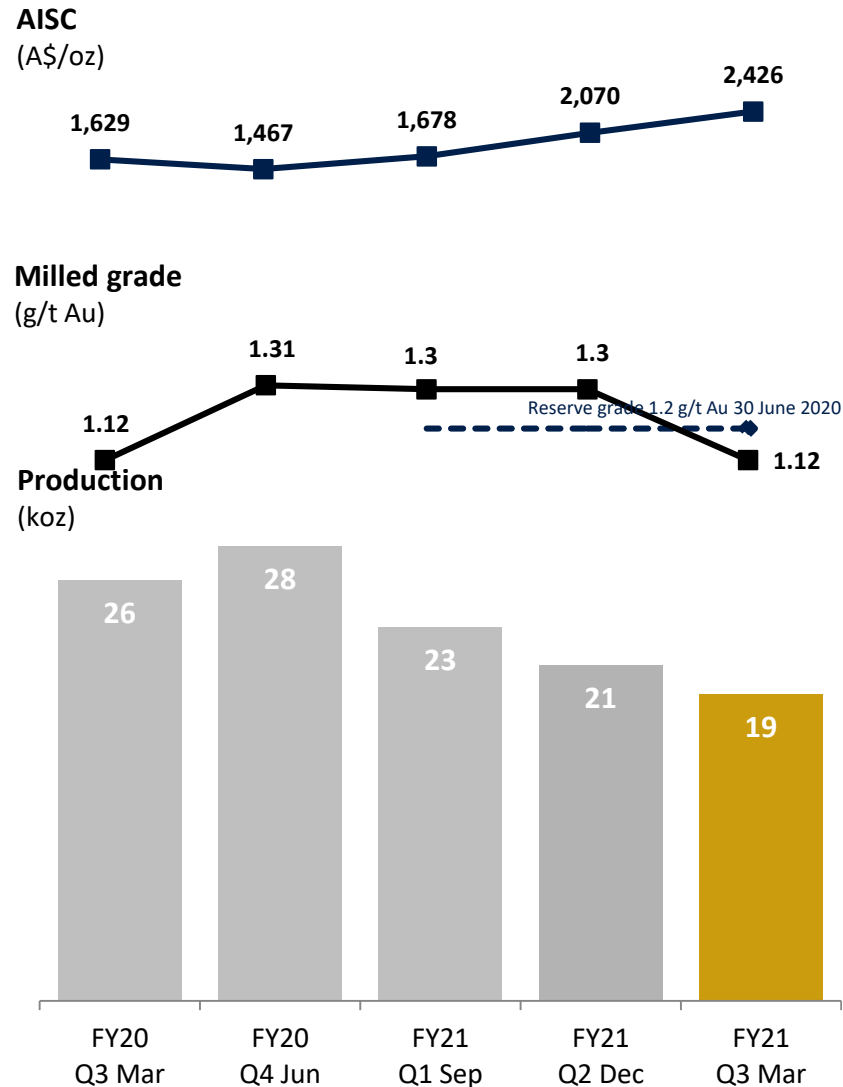
## Q3 FY21 Production

- 42,716 oz (Q2: 42,198 oz)
- AISC A\$1,555/oz (Q2: A\$1,573/oz)
- Mined grade of 8.0 g/t Au (Q2: 8.3 g/t Au)
- March performance highlights the transformation underway, with mill throughput at nameplate capacity, production of ~23 koz and development advance rates at over 400 m for two consecutive months
- New underground contractor Macmahon has commenced early to bring on-line a number of previously unmined stopes and access the new Intermediates mining area

## Updated FY21 Guidance

- Production at lower end of 175 to 190 koz
- AISC of A\$1,590 to A\$1,630/oz (prev. A\$1,435 to A\$1,560/oz)
- Sustaining capex of A\$70 to A\$80 M
- Growth capex of A\$15 to A\$20 M (prev. A\$30 to A\$32 M)

# Simberi Q3 FY21 Results



## Q3 FY21 Production

- 18,981 oz (Q2: 20,779 oz)
- AISC A\$2,426/oz (Q2: A\$2,070/oz)
- Milled grade at 1.12 g/t Au (Q2: 1.30 g/t Au)
- Production was impacted by lower oxide grades in Samat pit, with much improved grades in the month of March due to a local enrichment zone
- Mill recovery improved slightly to 66%, with Building Brilliance initiatives managing the impact of sulphur content in the transitional ore

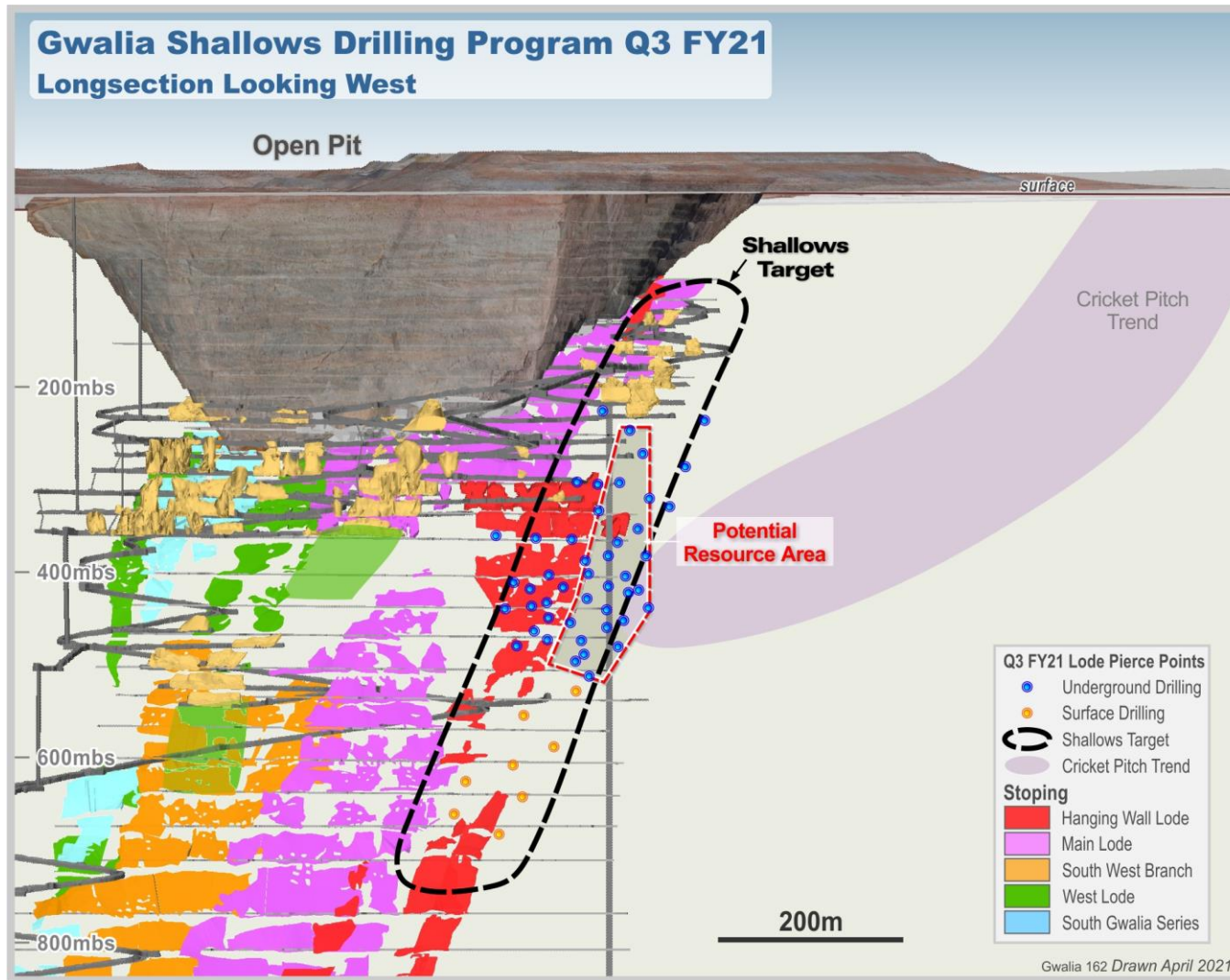
## Updated FY21 Guidance

- Production at lower end of 95 to 105 koz
- AISC of A\$1,720 to A\$1,810/oz<sup>1</sup>  
(prev. A\$1,665 to A\$1,840/oz)
- Sustaining capex of A\$12 to A\$15 M
- Growth capex of A\$4 to A\$5 M

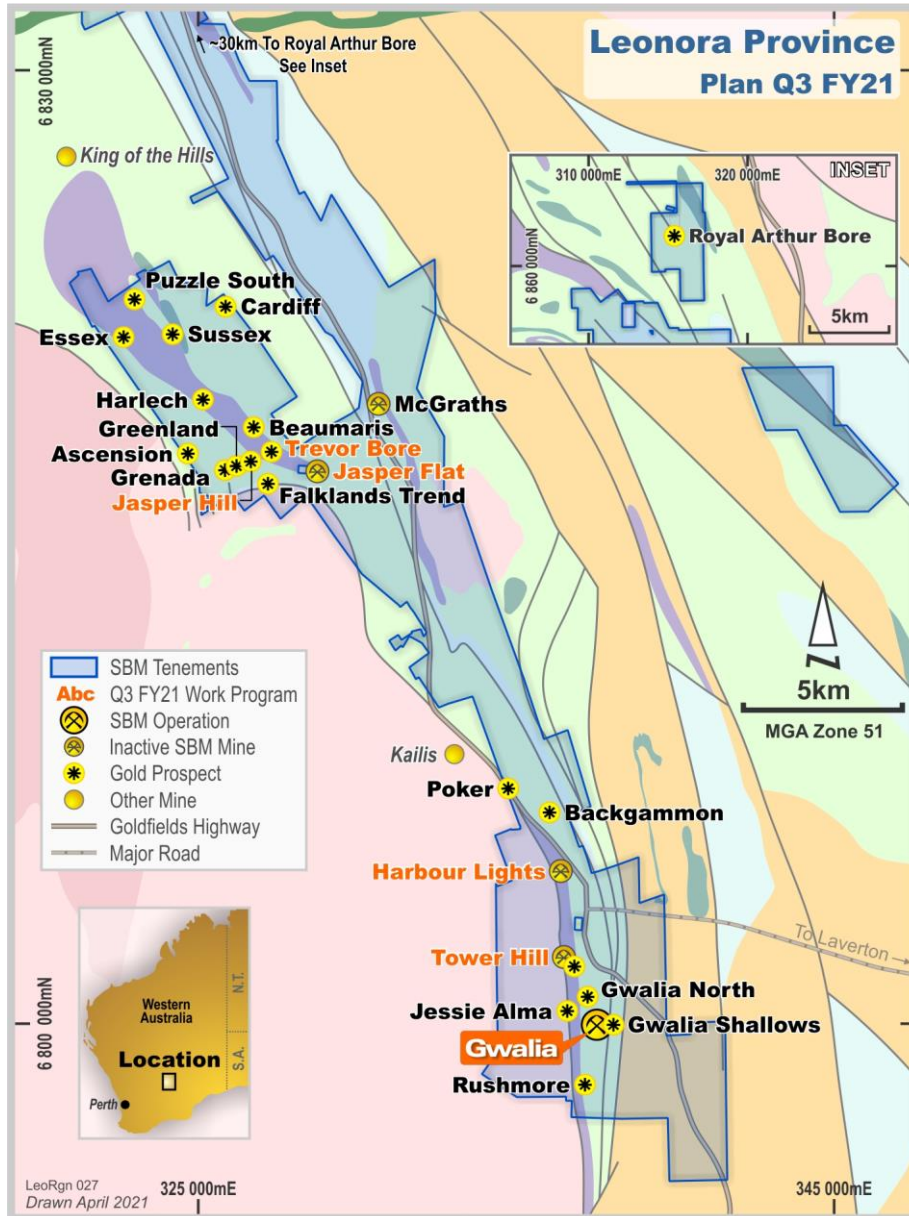
1. US\$1,325 to US\$1,395 per ounce @ AUD/USD 0.77  
(prev. US\$1,185 to US\$1,305 per ounce @ AUD/USD 0.71)



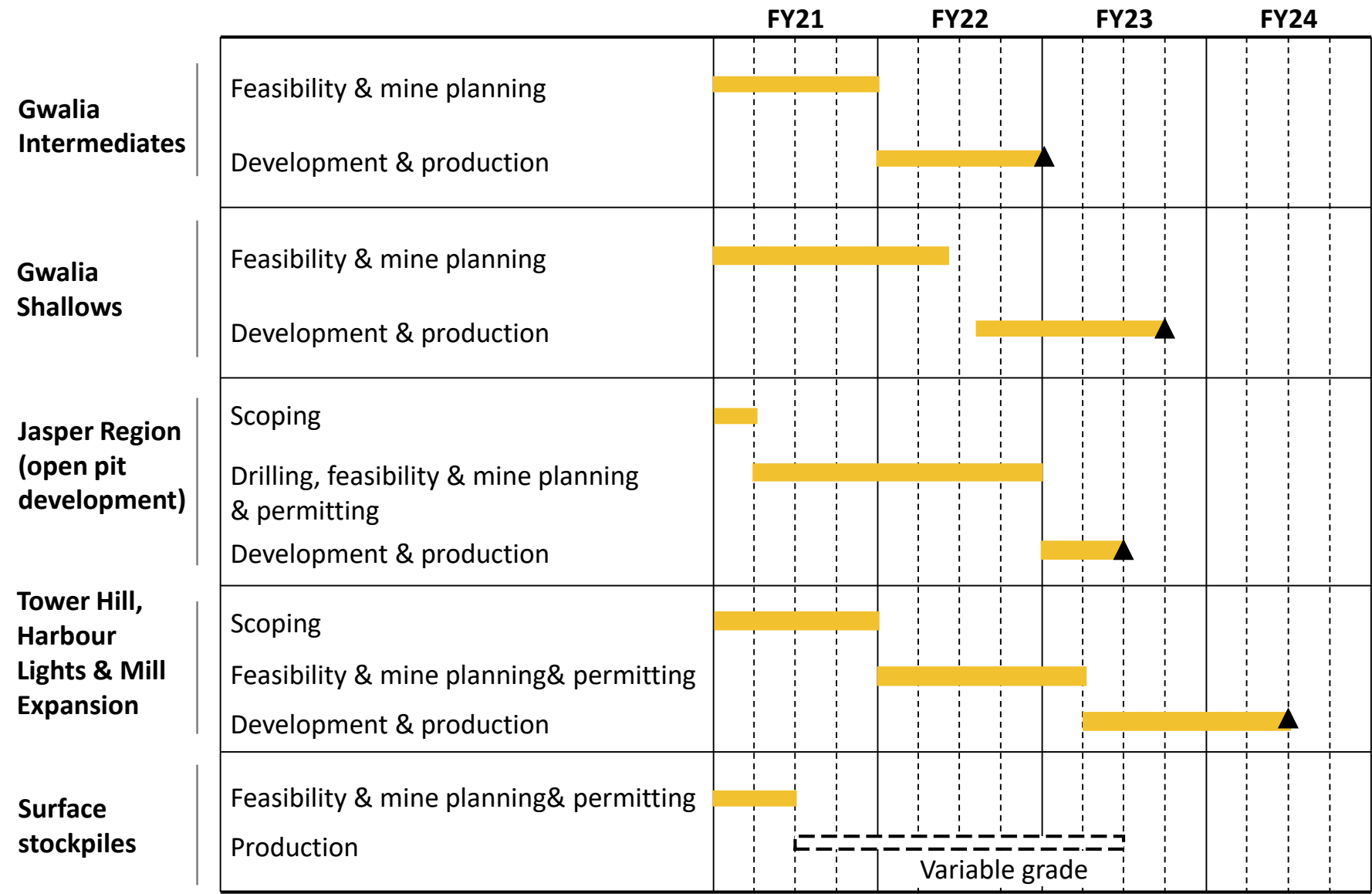
# Gwalia Shallows progressing and other targets identified



- The additional phase of underground diamond drilling (11 holes) was completed during the quarter, testing the Gwalia Shallows mineralisation between 350 and 600 mbs
- 49 holes have been completed, identifying 4 hangingwall lodes
- Resource estimation work will commence in Q4 Jun FY21
- A review of the upper part of the mine has identified a number of attractive targets for infill drilling including Old South Gwalia, Old West Lode and targets in south end of the mine above 585 mbs



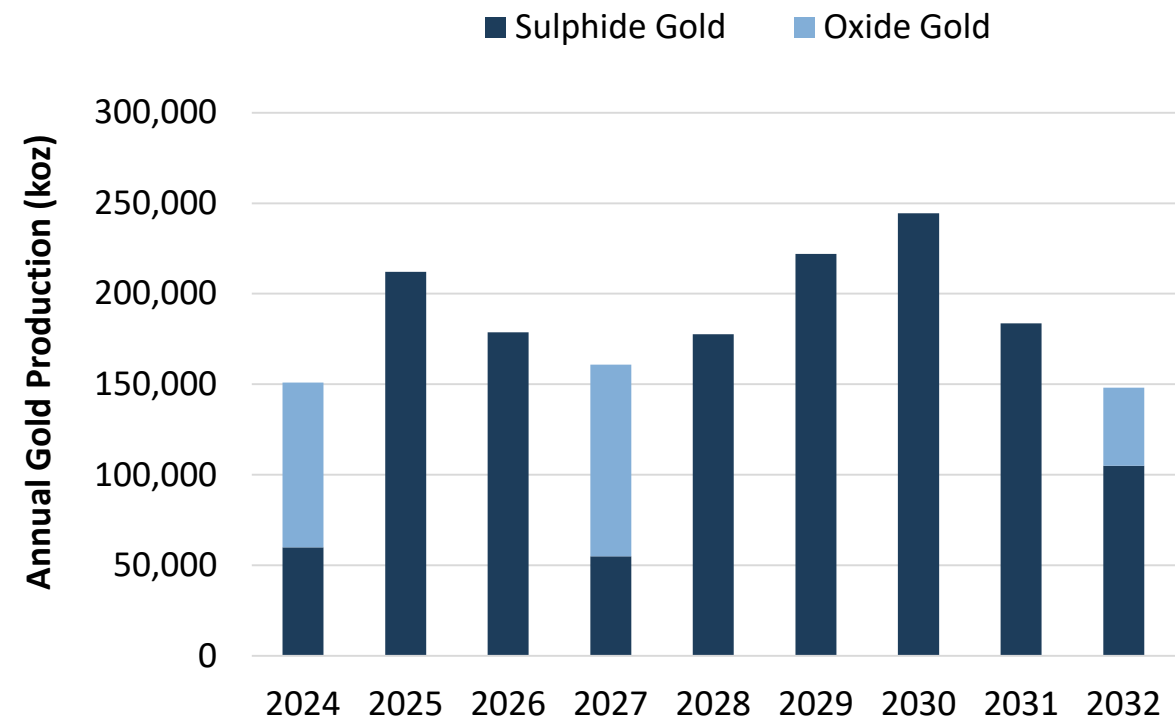
- Work undertaken this quarter has focused on:
  - **Reviewing geological models**, existing resource models and generating new resource models
  - **Pit optimisations** have been completed for Jasper Flat, Jasper Hill, Trevor Bore, Tower Hill, Harbour Lights and Gwalia
  - **Mill scoping study** to look at Gwalia plant expansion and/or new mill facilities to support expanded production from the Province.
- The promising results of this work will be reported in further detail in Q4, with the presentation of a Province Plan update



▲ First ore

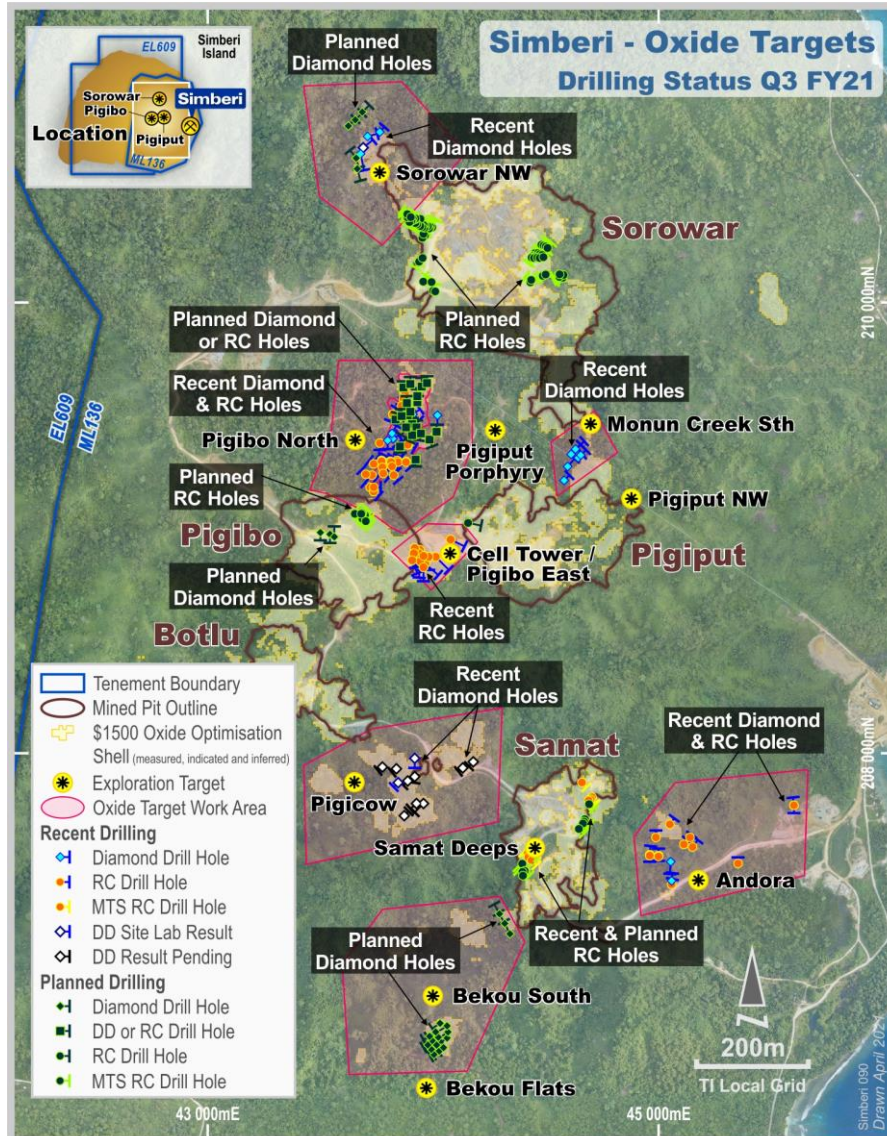


# Simberi Sulphide Feasibility Study Results



- Initial capital expenditure of US\$170 M, including expansion capital, payback period of ~3 years
- Life of mine average sulphide gold production of ~160 koz per annum at AISC of US\$896 per ounce
- Life of mine sustaining capital expenditure of US\$120 M
- NPV of US\$220 M (post-tax) at a real discount rate of 8% per annum
- IRR of ~40% (post-tax)
- Mine life of ~11 years (including oxides in FY22 and FY23)
- First ore ~2 years from permitting approval

# Simberi Oxide Drill Targets



- An extensive RC and diamond drill program to target and define additional oxide mineralisation within the mine corridor was developed as part of the FY21 strategy
- New phase of drilling commenced in September 2020 and is ongoing
- Further resource definition drilling is being planned to compliment and convert unclassified and inferred mineralisation as a part of the overall drilling strategy
- Drilling results will be released in the June quarter FY21 on the completion of drill programs.



## Deliver to Promise

- Maintain the **strong March performance** across all operations into Q4
- Progress the **Value Unlocks**:
  - Provide a **detailed update on Leonora Province Plan**
  - Commence **pre-investment work** on Simberi Sulphide Project
  - Submit the **revised EIS** for Beaver Dam
- **Deliver Building Brilliance initiatives** and achieve the FY21 target of A\$30 to A\$40 M in annualised cash contribution
- **Continue to implement the COVID-19 protocols** across the Company





## Supplementary slides





### STRONGER COMMUNITIES

We strive to help our communities thrive, grow and prosper. We build meaningful relationships, investing time and energy to ensure local communities are enriched by being our neighbours.

We continued to build on the breadth and depth of experience in the business to enhance Traditional Owner and First Nations engagement capacity, an important component of the Community and Social Performance Strategy.

The Company has become signatory member of the UN Global Compact affiliated [Women's Empowerment Principles](#)

We released our first [Modern Slavery Statement](#)

In PNG, houses were built for two community health staff and construction commenced for a local community sports field.

Leonora employees recommenced volunteering efforts including Shooting Stars, Ronald McDonald House, Clean-up Australia and Foodbank WA, via a partnership with the Gold Industry Group.

In Canada we commenced a new five year research sponsorship with St Mary's University to remediate gold rush era mine tailings

# Consolidated production, costs and guidance summary



Production Summary Consolidated		Q3 Mar FY20	Q4 Jun FY20	Year FY20	Q1 Sep FY21	Q2 Dec FY21	Q3 Mar FY21	Q3 YTD FY21	Guidance FY21
<i>St Barbara's financial year is 1 July to 30 June</i>		<i>Qtr to 31 Mar 2020</i>	<i>Qtr to 30 Jun 2020</i>	<i>Year to 30 June 2020</i>	<i>Qtr to 30 Sep 2020</i>	<i>Qtr to 31 Dec 2020</i>	<i>Qtr to 31 Mar 2021</i>	<i>9 months to 31 Mar 2021</i>	<i>Year to 30 June 2021</i>
<b><u>Production</u></b>									
Atlantic	oz	26,032	29,209	106,663	27,226	26,693	20,606	74,525	100 to 110 koz (prev. 100 to 115 koz)
Gwalia	oz	39,684	51,297	171,156	22,625	42,198	42,716	107,539	175 koz (prev. 175 to 190 koz)
Simberi	oz	25,831	28,106	104,068	23,139	20,779	18,981	62,899	95 koz (prev. 95 to 105 koz)
Consolidated	oz	<b>91,547</b>	<b>108,612</b>	<b>381,887</b>	<b>72,990</b>	<b>89,670</b>	<b>82,303</b>	<b>244,963</b>	<b>370 to 380 koz</b> (prev. 370 to 410 koz)
<b><u>Mined Grade</u></b>									<b><u>Milled grade</u></b>
Atlantic	g/t	0.91	0.88	0.93	0.95	0.91	0.71	0.86	1.33
Gwalia	g/t	8.1	7.0	7.7	8.1	8.3	8.0	8.2	8.3
Simberi	g/t	1.05	1.07	1.06	1.19	1.49	1.33	1.32	1.25
<b><u>Total Cash Operating Costs</u></b>									
Atlantic	A\$/oz	773	675	713	669	736	903	758	n/a
Gwalia	A\$/oz	1,117	1,041	1,071	1,560	1,037	1,044	1,150	n/a
Simberi	A\$/oz	1,459	1,360	1,482	1,481	1,817	2,032	1,759	n/a
Consolidated	A\$/oz	<b>1,116</b>	<b>1,025</b>	<b>1,083</b>	<b>1,203</b>	<b>1,128</b>	<b>1,237</b>	<b>1,187</b>	n/a
<b><u>All-In Sustaining Cost</u></b>									
Atlantic	A\$/oz	951	988	928	1,008	999	1,128	1,035	958 to 1,050 <sup>1</sup> (prev. 955 to 1,100)
Gwalia	A\$/oz	1,556	1,389	1,485	2,592	1,573	1,555	1,780	1,590 to 1,630 (prev. 1,435 to 1,560)
Simberi	A\$/oz	1,629	1,467	1,631	1,678	2,070	2,426	2,032	1,720 to 1,810 <sup>2</sup> (prev. 1,665 to 1,840)
Consolidated	A\$/oz	<b>1,405</b>	<b>1,301</b>	<b>1,369</b>	<b>1,711</b>	<b>1,517</b>	<b>1,649</b>	<b>1,618</b>	<b>1,440 to 1,520</b> (prev. 1,360 to 1,510)



## Guidance summary – exploration, capex, production profile

### Exploration Guidance FY21

A\$ M

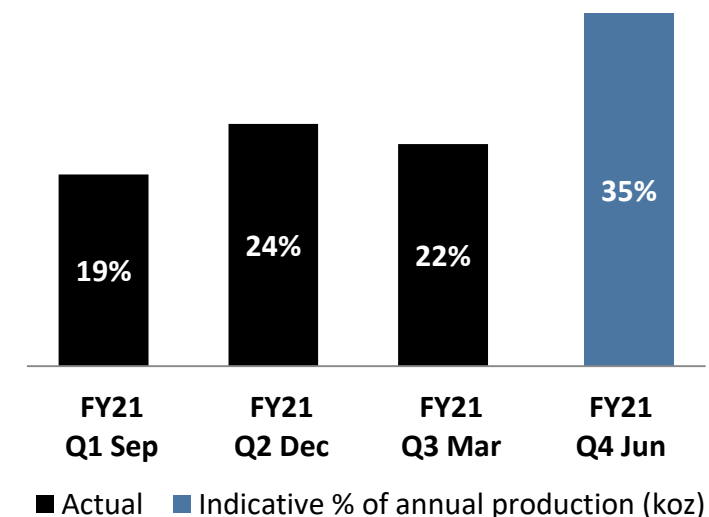
Australia	
• Leonora Region	8 – 9
• Pinjin WA, Lake Wells WA, Back Creek NSW	10 – 11
Tabar Island Group, Papua New Guinea	2 – 3
Nova Scotia, Canada	10 – 12
<b>Consolidated</b>	<b>30 – 35</b>

### Capex

#### Guidance FY21

	Sustaining	Growth
	A\$ M	A\$ M
Leonora	70 – 80	15-20 (prev. 30 – 32)
Simberi	12 – 15	4 – 5
Atlantic	15 – 20	15 – 20
<b>Consolidated</b>	<b>97 – 115</b>	<b>34 – 45</b> (prev. 49 – 57)

### FY21 Production Indicative Quarterly Guidance Profile



## Hedging summary as at 28 April 2021



Financial Year	Volume ounces	Price \$/oz	Type	Delivery	Delivery schedule	Announced
May 21 to Dec 22	72,010	C\$2,050	European call options	May 2021 to Dec 2022	Monthly	24 Feb 2020 <sup>1</sup>

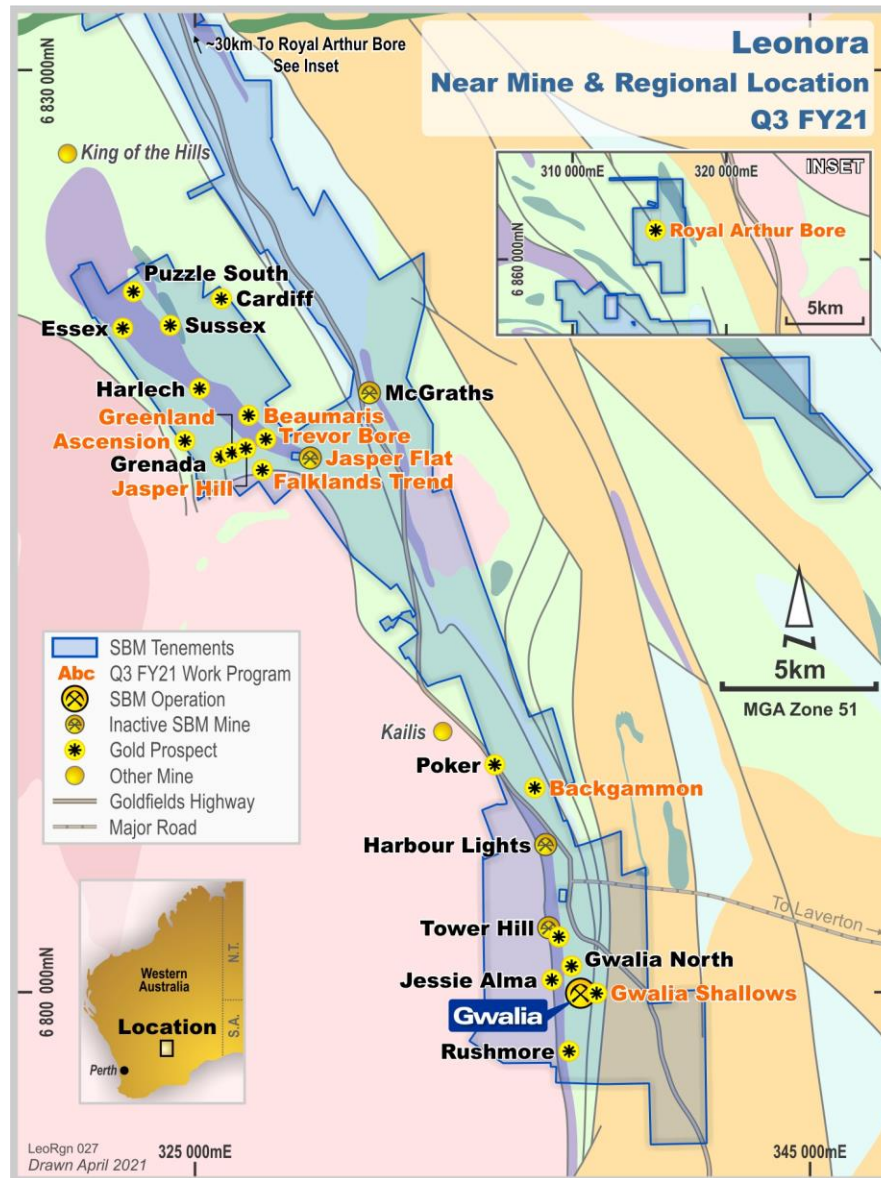
## Exploration| Gwalia near mine and regional targets



**A\$8 - \$9 M** exploration budget for **near mine and regional** exploration around Gwalia for FY21

Exploration activity during the quarter focussed on:

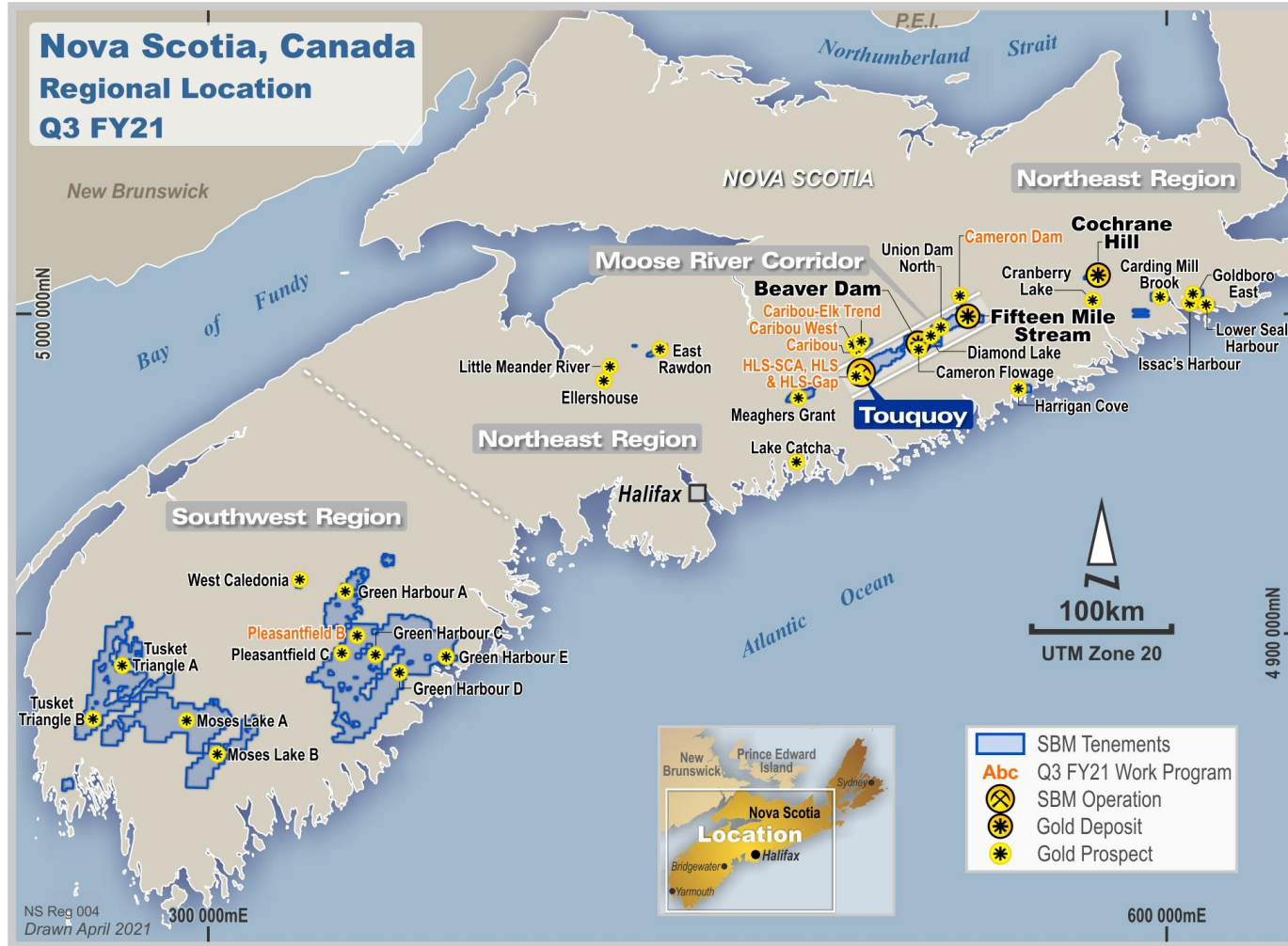
- Gwalia Shallows
- Leonora Regional
  - Further drilling planned for Jasper Hill, Jasper Flat, Falklands Trend, Ascension, Greenland and Trevor Bore



**A\$10 - \$12 M exploration  
budgeted in Canada for FY21**

Exploration activity during the  
quarter focussed on:

- Moose River Corridor  
(Caribou West, Caribou-Elk)
- Touquoy Camp  
(Higgins-Lawlers-Stillwater, HLS-  
Gap and HLS-Scheelite Closure)
- Northeast Regional  
(Cameron Dam)
- Southwest Regional  
(Pleasantfield B)





# Exploration | Simberi Island



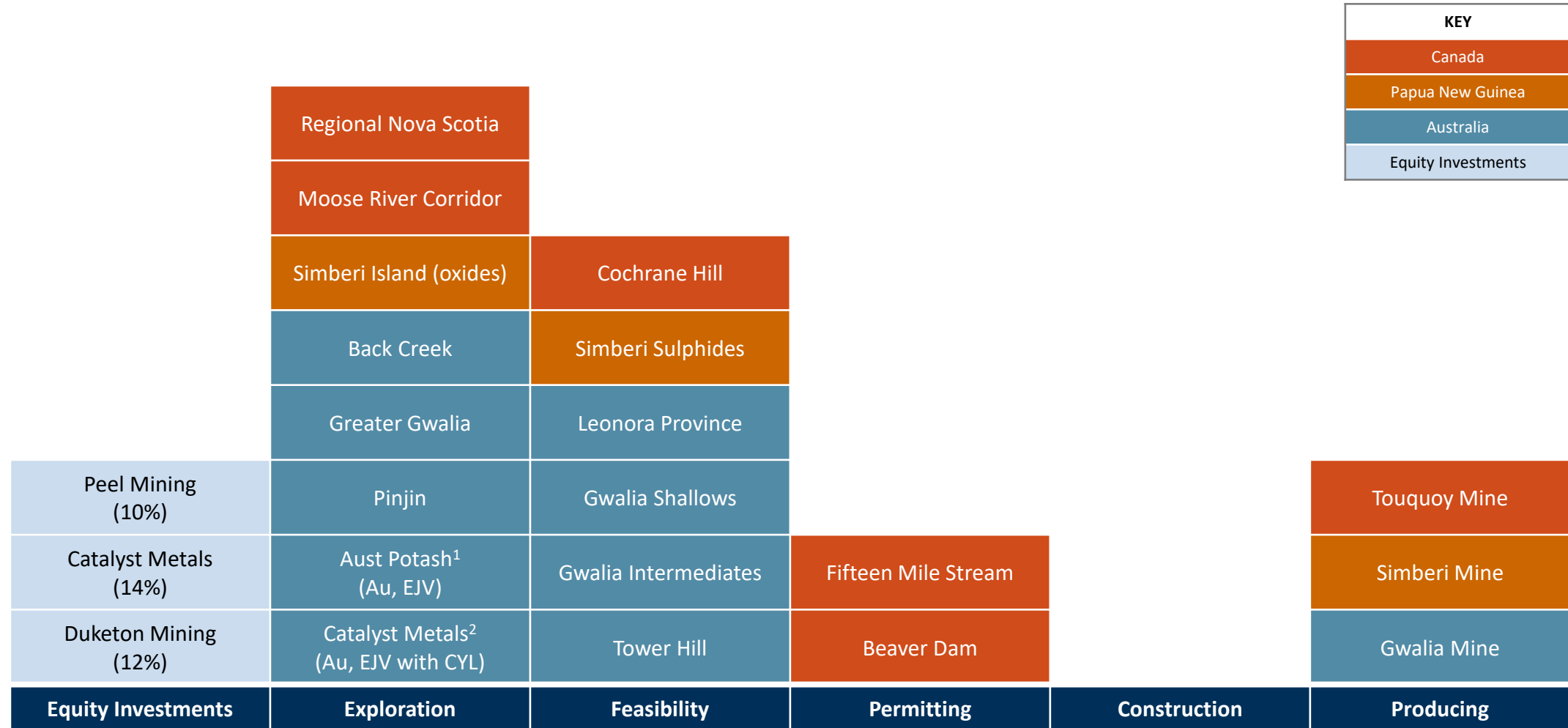
A\$2 - \$3 M exploration budget in PNG for FY21

Exploration activity during the quarter focussed on:

- 6 oxide targets on Simberi Island were drill tested with the aim of defining additional inferred and indicated resources
- Results highlight Pigibo North and Cell Tower contain oxide mineralisation (requiring further drilling). Andora and Monun Creek South contain sulphide mineralisation



# Project pipeline



1. Earn-in and Joint Venture Agreement with Australian Potash announced 8 October 2018
2. Earn-in and Joint Venture Agreement with Catalyst Metals announced 25 November 2020

# Ore Reserves Summary as at 30 June 2020



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)
Gwalia, (WA)	1,583	8.0	409	7,824	5.9	1,483	9,407	6.3	1,892
Tower Hill, (WA)	-	-	-	2,572	3.7	306	2,572	3.7	306
Simberi Oxide, (PNG)	1,702	1.3	73	6,035	1.1	220	7,737	1.2	293
Simberi Sulphide, (PNG)	1,386	2.6	114	21,253	2.4	1,651	22,638	2.4	1,765
Simberi Stockpiles, (PNG)	678	0.6	12	-	-	-	678	0.6	12
Atlantic Gold, (NS)	21,370	1.2	796	23,700	1.1	851	45,070	1.1	1,647
Atlantic Gold Stockpiles, (NS)	5,450	0.5	89	-	-	-	5,450	0.5	89
<b>Total All Projects</b>	<b>32,168</b>	<b>1.4</b>	<b>1,493</b>	<b>61,384</b>	<b>2.3</b>	<b>4,511</b>	<b>93,552</b>	<b>2.0</b>	<b>6,005</b>

## Notes

- Ore Reserves are based on a gold price of: Gwalia (AU\$1,600/oz), Tower Hill (AU\$1,250/oz), Simberi and Atlantic Gold (US\$1,300/oz)
- Cut-off Grades Gwalia (4.7 g/t Au), Tower Hill (2.8 g/t Au), Simberi Oxide (0.5 g/t Au), Atlantic Gold (0.3 g/t Au – 0.5 g/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  
Full details are contained in the ASX release dated 24 August 2020 'Ore Reserves and Mineral Resources Statements 30 June 2020' available at [www.stbarbara.com.au](http://www.stbarbara.com.au)



# Mineral Resources Summary at 30 June 2020



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)
Gwalia, (WA)	3,991	6.4	819	17,403	6.0	3,353	1,201	5.5	214	22,595	6.0	4,386
Tower Hill, (WA)	-	-	-	4,604	3.9	574	489	3.3	51	5,093	3.8	625
Simberi Oxide, (PNG)	2,197	1.2	90	8,062	1.1	280	8,542	0.9	260	18,801	1.0	630
Simberi Sulphide, (PNG)	3,119	1.5	168	52,642	1.6	2,772	16,699	1.4	747	72,459	1.6	3,687
Atlantic Gold, (NS)	24,281	1.1	868	32,399	1.1	1,102	7,203	1.1	256	63,883	1.1	2,227
<b>Total All Projects</b>	<b>33,587</b>	<b>1.8</b>	<b>1,945</b>	<b>115,110</b>	<b>2.2</b>	<b>8,081</b>	<b>34,134</b>	<b>1.4</b>	<b>1,529</b>	<b>182,832</b>	<b>2.0</b>	<b>11,555</b>

## Notes

1. Mineral Resources are reported inclusive of Ore Reserves
2. Cut-off Grades Gwalia (2.5 g/t Au), Tower Hill (2.5 g/t Au), Simberi Oxide (0.4 g/t Au), Simberi Transitional and Sulphide (0.6 g/t Au), Atlantic Gold (0.3 g/t Au)
3. Atlantic and 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  
Full details are contained in the ASX release dated 24 August 2020 'Ore Reserves and Mineral Resources Statements 30 June 2020' available at [www.stbarbara.com.au](http://www.stbarbara.com.au)

# Competent persons statement

## Exploration Results

The information in this presentation that relates to Exploration Results 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.

## Mineral Resource and Ore Reserve Estimates

The information in this presentation that relates to Mineral Resources or Ore Reserves for Gwalia, Tower Hill, Simberi and Atlantic Gold is extracted from the report titled '*Ore Reserves and Mineral Resources Statements 30 June 2020*' released to the Australian Securities Exchange (ASX) on 24 August 2020. The report is available to view at [stbarbara.com.au](http://stbarbara.com.au). The Company confirms that it is not aware of any new information or data that materially affects the estimates of Mineral Resources or Ore Reserves and 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 24 August 2020 '*Ore Reserves and Mineral Resources Statements 30 June 2020*' available at [stbarbara.com.au](http://stbarbara.com.au).

## Non-IFRS measures

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.

### All-In Sustaining Cost (AISC)

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

### Cash contribution

Cash flow from operations before finance costs, refer reconciliation of cash movement in the most recent quarterly report available at [stbarbara.com.au](http://stbarbara.com.au)

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

## Investor Relations enquiries



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## **Scheduled ASX Announcements**

28 July 2021

Q4 June 2021 Quarterly Report

26 August 2021

FY21 Financial Report





**St Barbara**