ASX Release

13 September 2021

Presentation to 2021 Denver Gold Forum

Mr Craig Jetson, Managing Director & CEO, will present virtually to the Denver Gold Forum being held this week.

A webcast of the presentation will be available on the Gold Forum Americas website at https://www.denvergold.org/company-live-session/gfa21/131/ and subsequently on the St Barbara website at www.stbarbara.com.au/investors/webcast/.

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Managing Director & CEO
13 September 2021

St Barbara

Briefing Book

September 2021

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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 2021*' released to the ASX on 26 August 2021. Full details of recent exploration results in ASX release 28 July 2021 '*Q4 June FY21 Quarterly Report*'.

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

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Competent persons statement

Exploration Results

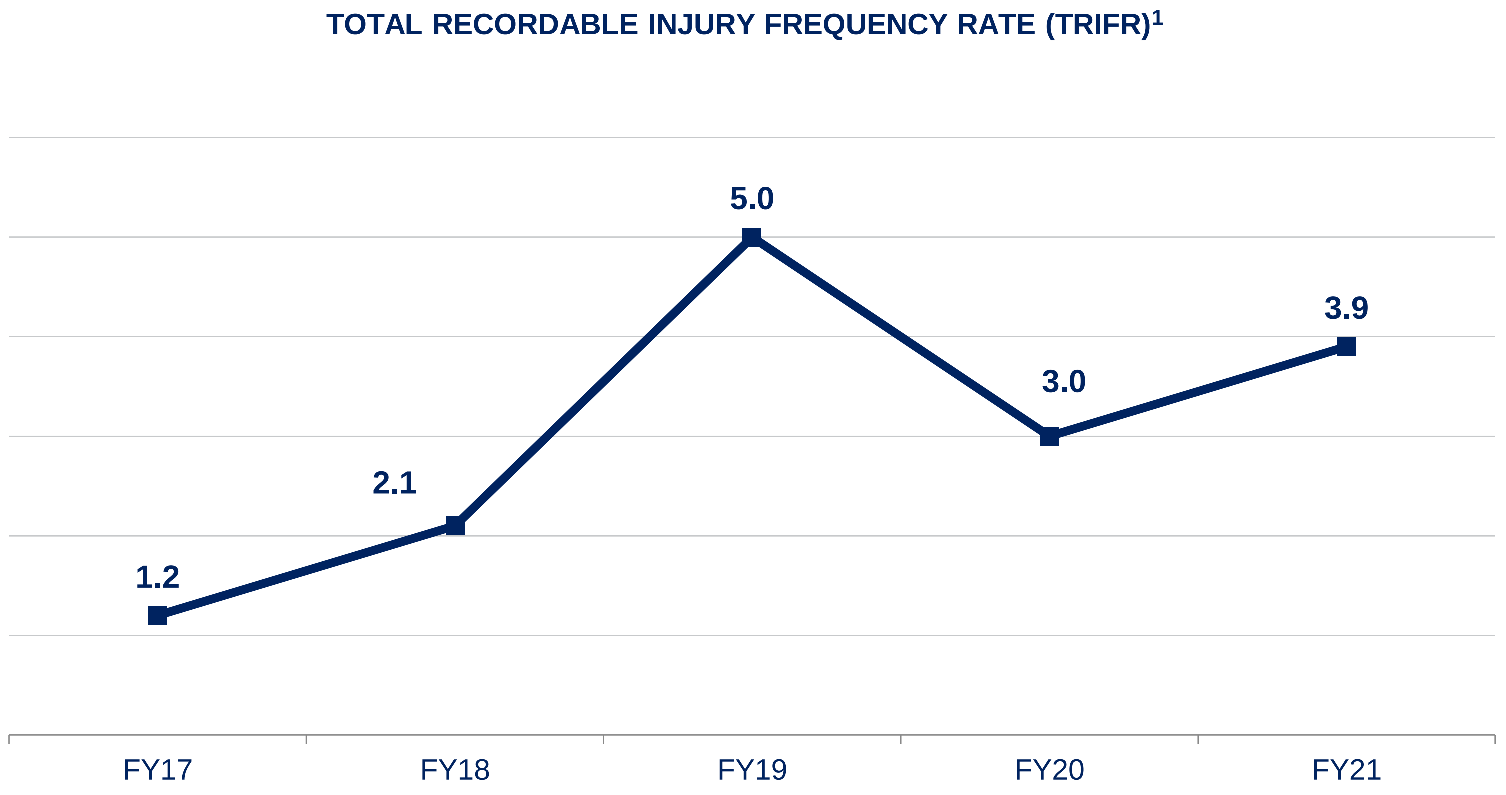
The information in this presentation that relates to Exploration Results is based on information compiled by Dr Roger Mustard, who is a Member of The Australasian Institute of Mining and Metallurgy. Dr Mustard is a full-time employee of St Barbara and has sufficient experience relevant to the style of 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, Harbour Lights, Tower Hill, Simberi and Atlantic is extracted from the report titled '*Ore Reserves and Mineral Resources Statements 30 June 2021*' released to the Australian Securities Exchange (ASX) on 26 August 2021. The report is available to view at 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 26 August 2021 '*Ore Reserves and Mineral Resources Statements 30 June 2021*' available at stbarbara.com.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.

1. Total Recordable Injury Frequency Rate (12 month avg.), total recordable injuries per million hours worked

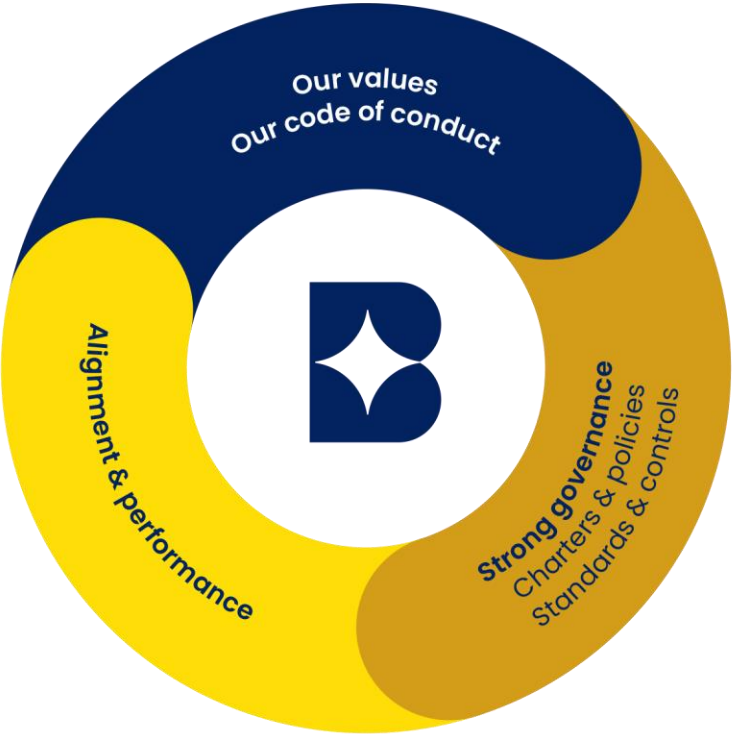
Our sustainability framework

Our values
Our values guide us in our decision-making every day.

We act with honesty and integrity
We treat people with respect
We value working together
We deliver to promise
We strive to do better

Our code of conduct
Sets out our purpose and vision, outlines how we work together, and sets expectations for our behaviour.

It explains the importance of our five values and commitments as we operate our business and care for and interact with each other, our suppliers, communities and third parties.



Alignment & performance
We optimise our alignment and performance to our governance settings, industry standards, and internal commitments, targets and goals. We regularly report our performance to our stakeholders.

Strong governance
A cascading set of charters, policies, standards, and controls ensures appropriate governance. Endorsed by the Board, these lay out our Group-wide requirements and expectations and explain what we must do in practice. This approach is supported at an operational level with local procedures specific to risks and our business in those areas.

Our commitments

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.

EMPOWERED PEOPLE DIVERSE TEAMS

We are an employer of choice committed to inclusion and diversity. We provide a caring work environment where our talented people are happy, thrive, feel safe and can fulfil their potential.

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.

RESPECTING THE ENVIRONMENT

We are committed to caring for the environment.
We think differently to find solutions to actively manage and neutralise our impact; because we care about the environment and our planet.

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.

Key sustainability targets

Measure	FY21 performance	Target
Total recordable injury frequency rate (TRIFR)	3.9	2.1
• Fatalities	1	0
Overall gender pay gap	8%	8% by 2022
Nil gender pay gap for ‘like-for-like’ roles	nil	maintain nil
Proportion of women employed (Australia)	28%	30% by 2022
Proportion of women employed (PNG)	16%	18% by 2022
Proportion of women employed (Canada)	27%	30% by 2022
First Nations Employees (Canada)	2%	5% by 2022
Indigenous Employees at Leonora Operations	2%	5% by 2022
Ounces gold per ton of CO_2-e	1.58	2.20 by FY30[1]
Carbon neutrality – CO_2-e tonnes	208,000	Net-0 by FY50
Significant environment incidents	2[2]	0

1. Interim improved GHG efficiency: CO_2-e per ounce gold produced (scope 1 & 2), 18% improvement on a 2013 baseline year.
2. Significance of both incidents is compliance related rather than due to environmental harm

Sustainability alignment

- ✓ **Minerals Council of Australia Enduring Value** sustainability framework (aligned to ICMM Sustainability Principles)
  - Implementing Towards Sustainable Mining
- ✓ **Global Reporting Initiative (GRI)** and reports sustainability disclosures in accordance with its Core option
- ✓ **UN Global Compact** (a signatory and member)
- ✓ **Extractive Industries Transparency Initiative (EITI)** (a member and financial supporter)
- ✓ **Carbon Disclosure Project (CDP),** Climate (since 2018, rated ‘C’ for compliance)
- ✓ **Sustainability Accounting Standards Board (SASB)** Mining and Metals Standard.

External ESG ratings/indices

- **S&P CSA (DJSI)** – rated top-quartile in sub-sector
- **Sustainalytics** – rated top-quartile in sub-sector
- **ISS Corporate Solutions** – rated a strong performer in sub-sector.
- **Australian Council of Superannuation Investors (ACSI)** – rated in ASX 200 reporting ‘leader’ group
- **MSCI** – rated top-quartile in sub-sector
- **Moody’s FTSE Russell** – FTSE4Good – rated top-quartile in sub-sector.

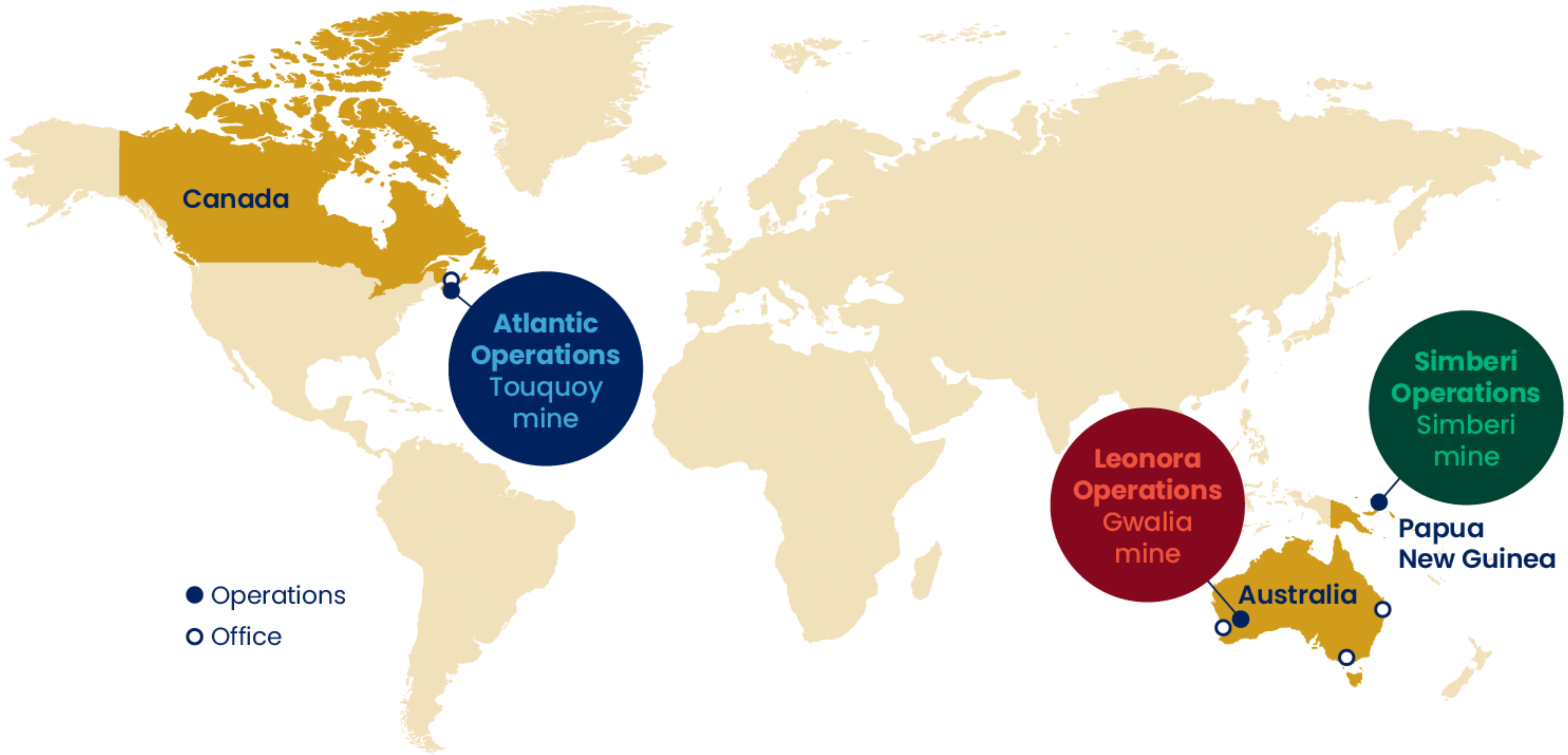
Sustainability commitments and achievements

- 7th year-on-year WGEA[1] Employer of Choice for Gender Equality
- Zero harm tolerance for any form of sexual harassment: annually disclosed as part of WGEA citation
- Gender safety audits conducted across all operations
- MD & CEO – WGEA Pay Equity Ambassador & signatory to the Diversity Council of Australia's pledge "I stand for Respect"
- Inclusion in 2021 Bloomberg GEI[2] Index – 80% score – one of 10 Australian companies (380 globally)
  - Tracks the performance of public companies committed to transparency in gender-data reporting.
- Signatory to the UN Women's Empowerment Principles
- Three female leaders represented in 'Top 100 Global Inspirational Women in Mining'
- Supporting indigenous youth through Clontarf Foundation and Shooting Stars
- Partnership with Nova Scotia St Mary's University to advance world-leading research on historic mine tailings remediation
- Disclosure of Scope 3 emissions
- Local business empowerment in PNG: Established Simberi Mine Services – community business umbrella and governance company

1. Workplace Gender Equality Act (https://www.wgea.gov.au/)
2. Gender Equality Index

A growing gold company with a global outlook

3 operations with pathway to greater than 10 years of operating life



FY22 Guidance

Operation	Production (koz)	AISC[1] (A$/oz)	Capex ($AM)	
			Sustaining	Growth
Atlantic Operations	65 – 85	1,305 – 1,515[2]	15 – 20	30 – 40
Leonora Operations	180 – 200	1,605 – 1,720	65 – 75	15 – 20
Simberi Operations	60 – 70	2,465 – 2,650[3]	15 – 20	25 – 35
Consolidated	**305 – 355**	**1,710 – 1,860**	**95 – 115**	**70 – 95**

1. All-In Sustaining Costs. Non-IFRS refer to slide 54
2. C$1,240 to C$1,440 per ounce at AUD/CAD of 0.95
3. US$1,850 to US$1,990 per ounce at AUD/USD of 0.75

Project pipeline

KEY
Canada
Papua New Guinea
Australia
Equity Investments

Equity Investments	Exploration	Feasibility	Permitting	Construction	Producing
	Regional Nova Scotia				
	Moose River Corridor				
	Simberi Island (oxides)				
	Back Creek				
	Leonora Province	Cochrane Hill			
Kin Mining[1] (19%)	Pinjin	Gwalia Shallows	Fifteen Mile Stream		Touquoy Mine
Peel Mining (10%)	Lake Wells JV[2]	Harbour Lights	Beaver Dam		Simberi Mine
Catalyst Metals (13%)	Drummartin JV[3]	Tower Hill	Simberi Sulphides		Gwalia Mine

1. Equity interest announced 14 July 2021
2. Earn-in and Joint Venture Agreement with Australian Potash announced 8 October 2018
3. Earn-in and Joint Venture Agreement with Catalyst Metals announced 25 November 2020

Building Brilliance our pathway to growing operating life

0 – 18 months

Uplift 1: Deliver Building Brilliance in operations and extend mine life

Reduce cost while increasing throughput and recovery through Building Brilliance program

Extend mine life of Simberi Oxides and Touquoy through near-mine exploration and mine plan optimisation

18 months – 3 years

Uplift 2: Execute brownfield expansion projects

Deliver Simberi Sulphide and Atlantic expansion projects on-time and within budget

Develop surrounding Leonora province to fill the mill with St Barbara mined ore

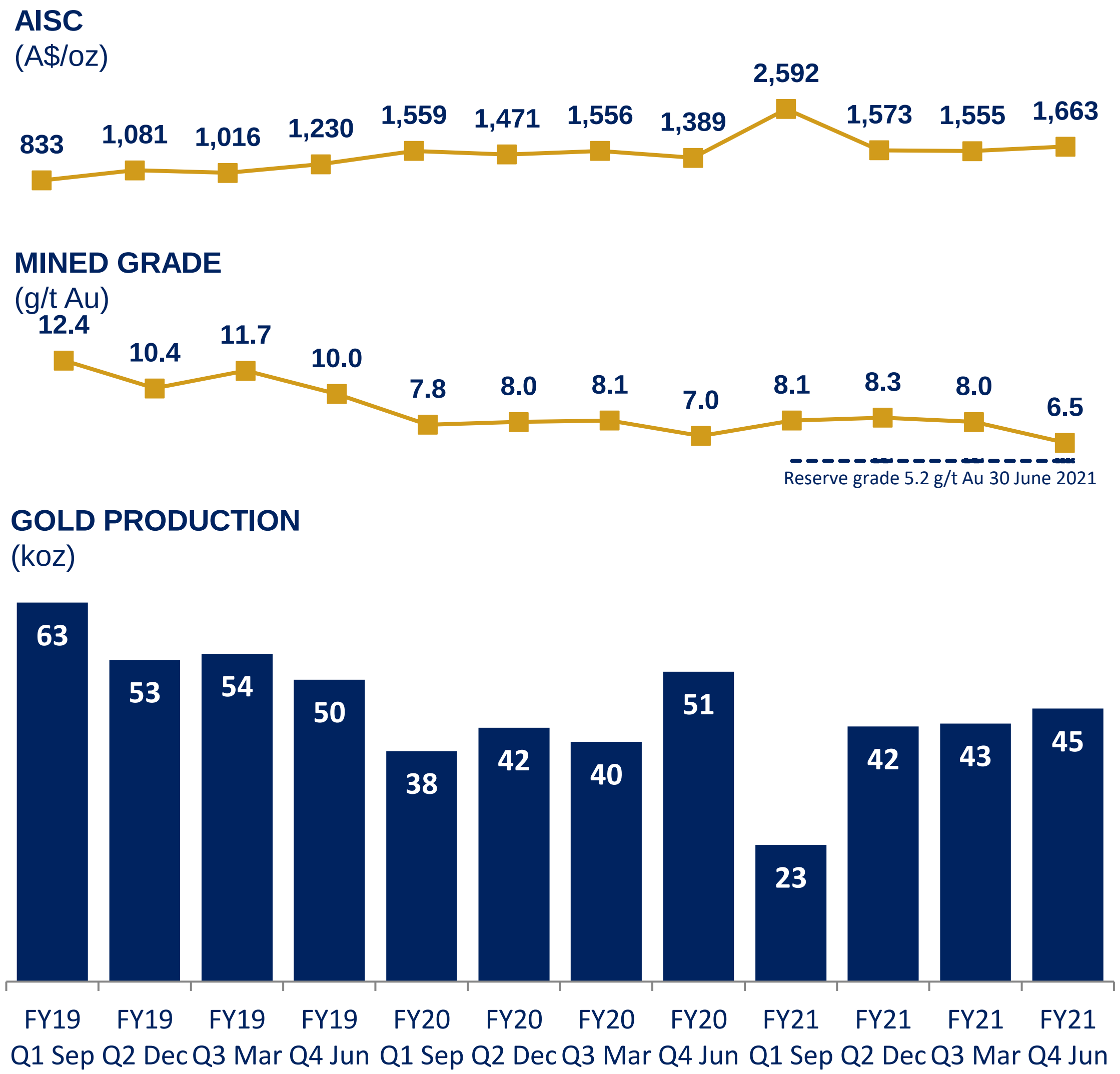
Uplift 3: Grow through acquisitions and exploration

Acquire assets with a scalable production outlook and capture portfolio synergies

Invest in prospective joint ventures and exploration opportunities that have the potential to develop into future operations

Leonora Operations

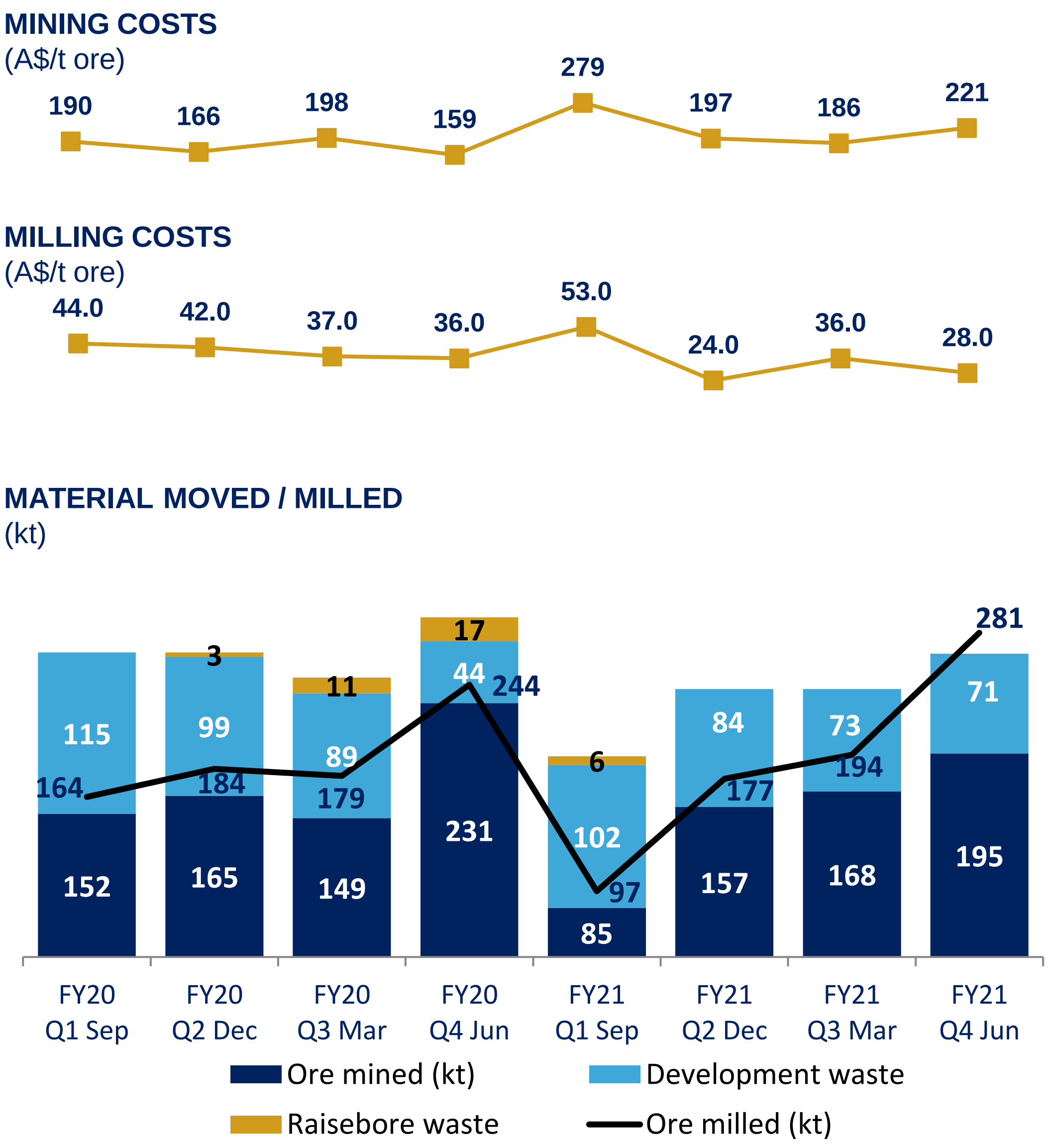
Leonora Operations



Operational Performance

		FY19	FY20	FY21
Underground ore mined	kt	625	697	605
Waste mined	kt	406	347	331
Mined grade	g/t Au	11.1	7.7	7.6
Ore milled	kt	652	771	749
Milled grade	g/t Au	10.8	7.1	6.6
Gold recovery	%	98	97	97
Gold production	koz	220	171	153
Gold sold	koz	223	172	151
Cash Cost	A$/oz	746	1,071	1,185
Realised gold price	A$/oz	1,762	2,068	2,185
AISC	A$/oz	1,027	1,485	1,744
Sustaining capital	A$M	44	53	64
Growth capital	A$M	71	41	32
Net cashflow	A$M	115	77	62

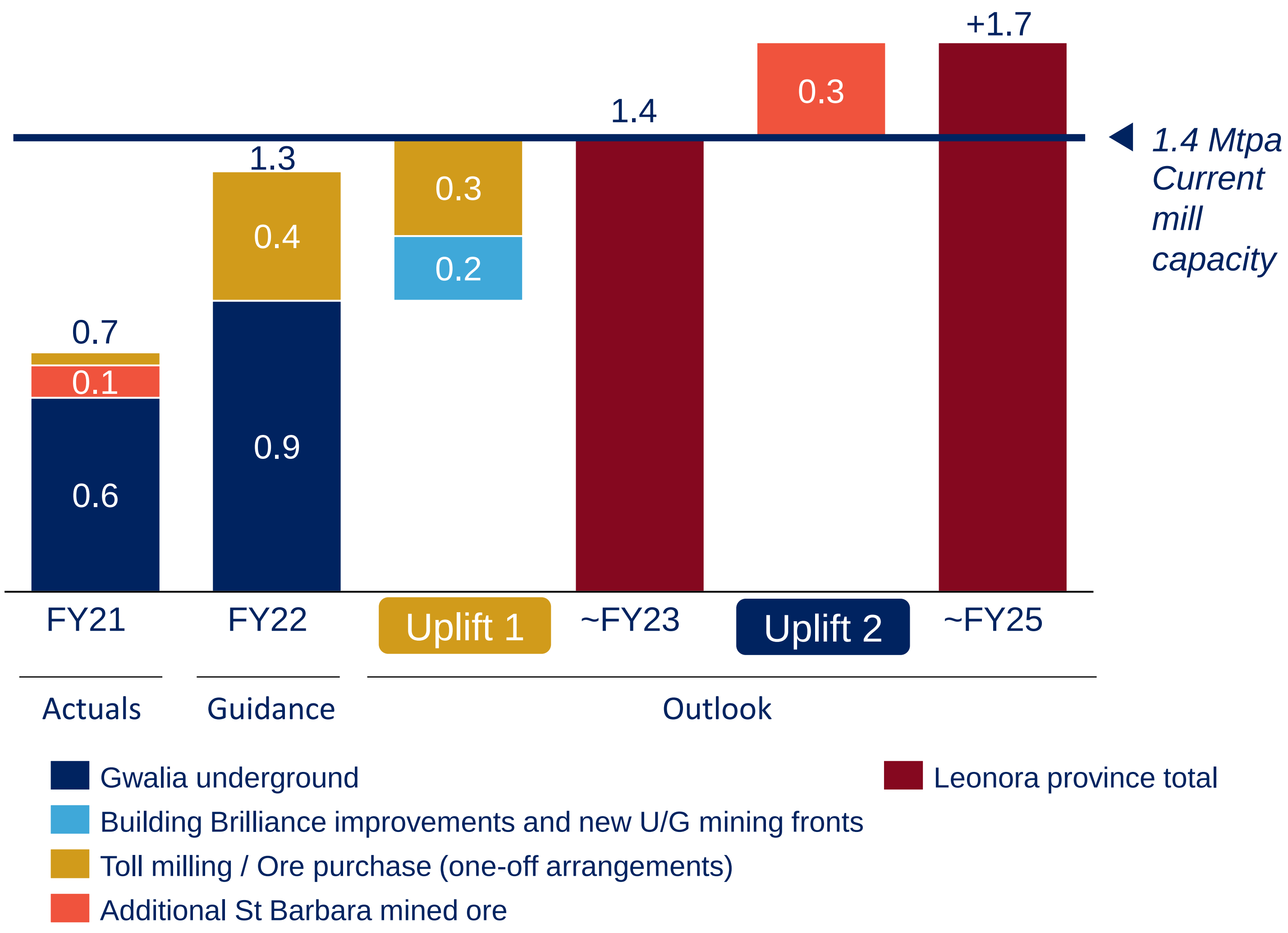
Operational overview



Key Statistics

Mining method	long hole open stope with fill
Current mining depth	1,740 metres below surface
Processing	Carbon-in-leach
Plant capacity	1.2Mtpa hard rock (1.4Mtpa blended)
Power station	Gas
Accommodation	300 person camp
Workforce (all FIFO)	165 employees, 425 contractors
FY22 production guidance	180 – 200 koz
FY22 AISC guidance	A$1,605 – A$1,720 per ounce
Reserve grade	5.2 g/t Au
Reserves (Gwalia Deeps)	2.2 Moz
Resources (Gwalia Deeps)	4.8 Moz

Future mill capacity



Maximise the value from current operations through productivity improvements and cost reduction

Leonora Province Plan

Uplift 1 – ore purchase and / or toll milling

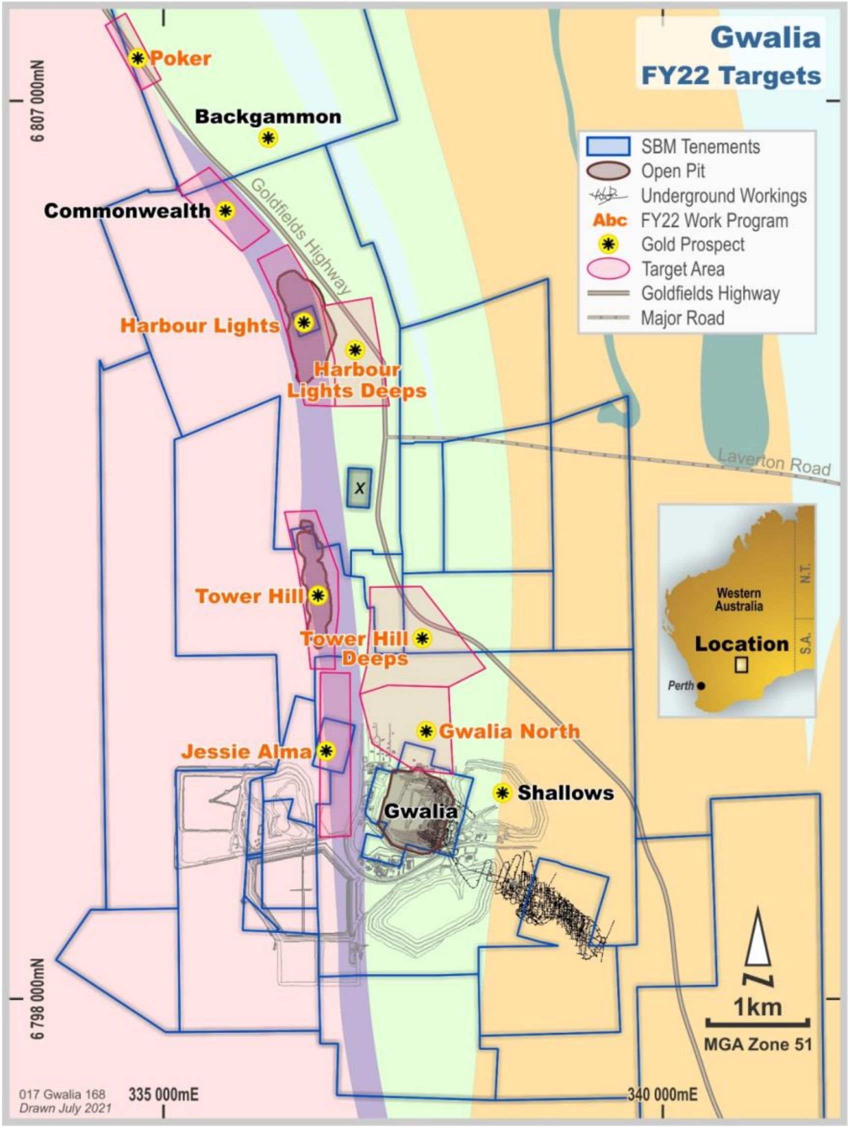
- Linden Gold Alliance
  - 180kt of 3-4 g/t ore in FY22
  - 90kt of 3-4 g/t ore in FY23
  - Potential for higher tonnages and / or a longer period
- Continuing discussions with other potential 3rd parties on options

Uplift 2 – Leonora region and Gwalia near-mine

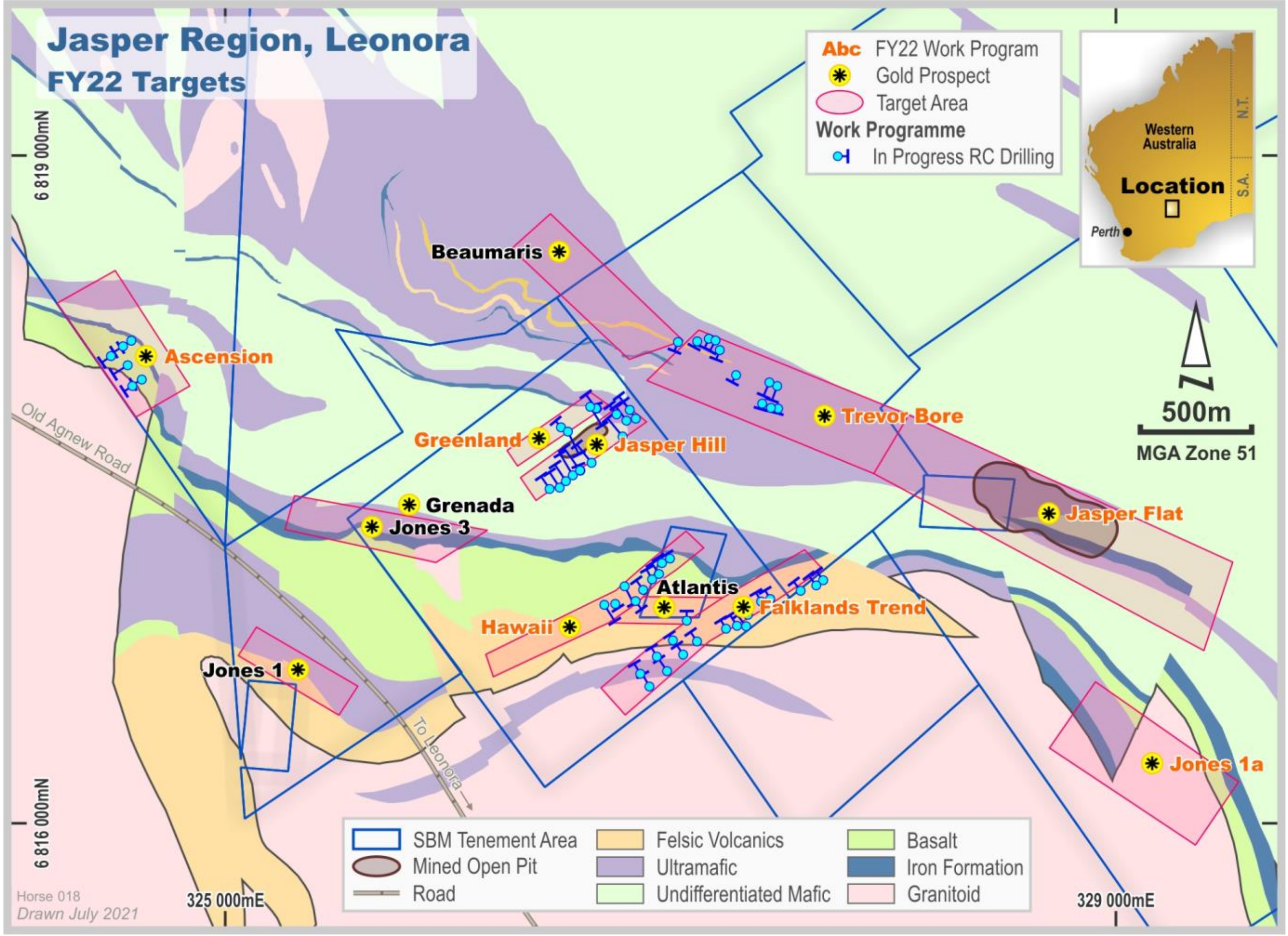
- Jasper region – first campaign of drilling largely complete and assays being received and to be reported in Q1 September FY22 Quarterly Report
- Tower Hill – Tower Hill, Harbour Lights and Mill Expansion studies proceeding on schedule

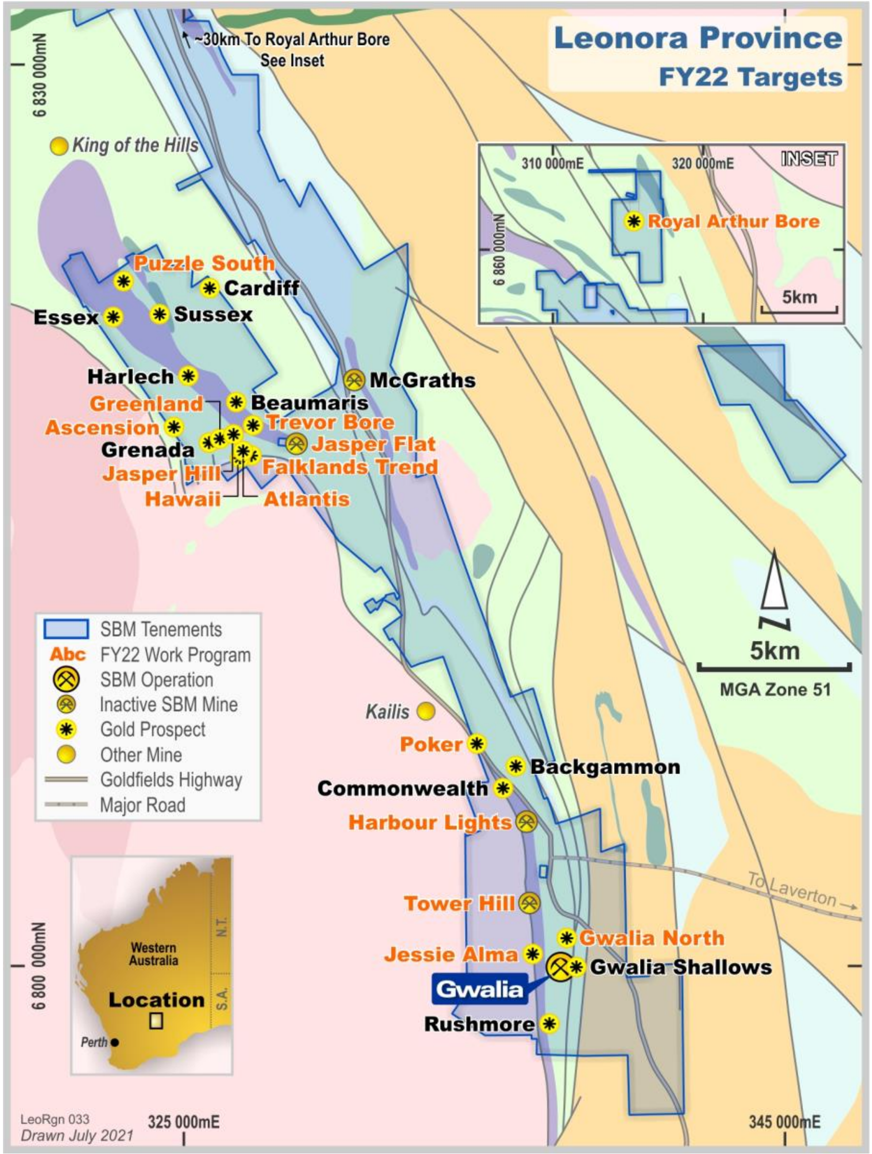
Tower Hill and Harbour Lights

Aerial view Tower Hill and Harbour Lights



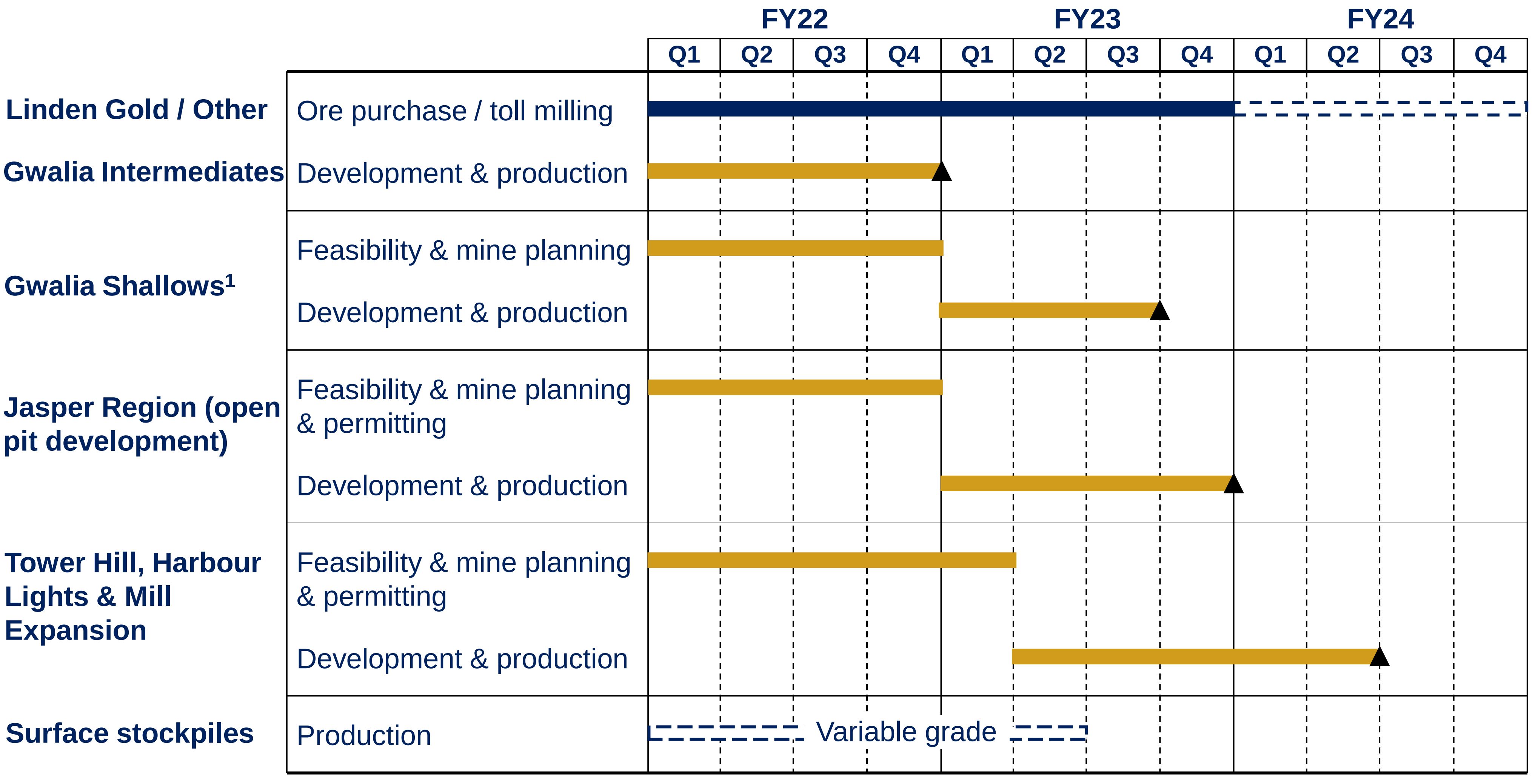
Leonora regional targets





Leonora Province

Indicative timeline for development



1. Includes Old West Lode and Old South Gwalia Series

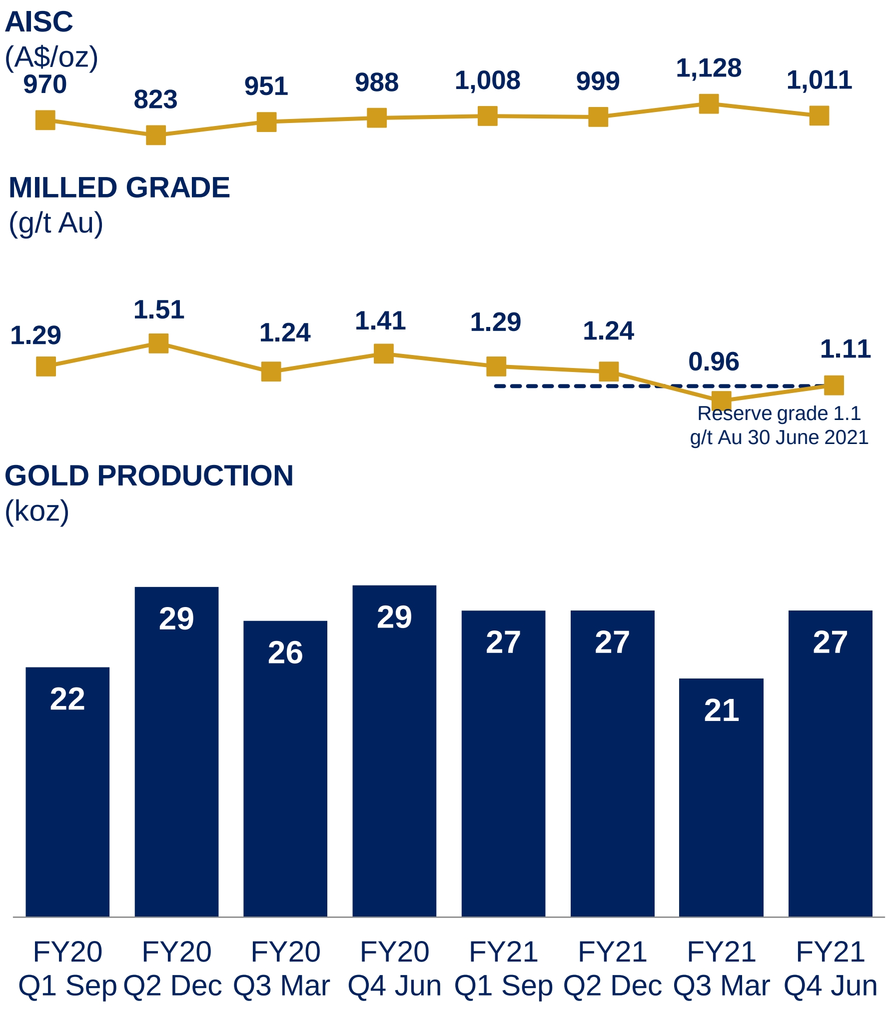
Tailings Storage Facility

- Type: Paddock, Upstream raise construction
- First approved: 1992 (TSF 3), 2018 (TSF 4)
- Elevation: 376 metres above sea level (TSF 3);
  336 metres above sea level (TSF 4)
- Current wall height: 30 metres (TSF 3); 7 metres (TSF 4)
- Projected final wall height: 32 metres (TSF 3 and 4)
- Tailings deposition rate: 750-850 ktpa (TSF 3); 650-750 ktpa (TSF 4)
- Total capacity: 30 Mt (TSF 3); 5 Mt (TSF 4)
- Final wall raise: 2023 (TSF 3); 2032 (TSF 4)
- 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[1] and regulatory standards
- In 2020 studies and testing were completed to improve the resilience of the active Gwalia TSF (TSF 3) to ANCOLD guidelines. An international expert also conducted an independent review of TSF 3. An additional eight piezometers have been installed and works to augment the TSF are currently underway
- During the year TSF 4 was constructed and commissioned. TSF 3 and 4 will work in rotation to ensure maximum drying and settling time.

1. Australian National Committee on Large Dams (https://www.ancold.org.au/)

Atlantic Operations

Atlantic Operations[1]



Operational Performance

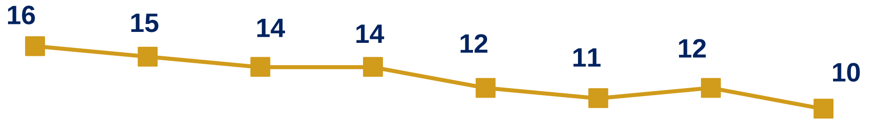
		FY20[1]	FY21
Open pit ore mined	kt	4,574	3,710
Waste mined	kt	3,491	4,723
Mined grade	g/t Au	0.91	0.88
Ore milled	kt	2,588	2,918
Milled grade	g/t Au	1.36	1.15
Gold recovery	%	94	94
Gold production	koz	107	101
Gold sold	koz	107	100
Cash Cost	A$/oz	713	761
Realised gold price	A$/oz	2,028	2,062
AISC	A$/oz	928	1,027
Sustaining capital	A$M	15	18
Growth capital	A$M	15	12
Net cashflow	A$M	122	99

1. Atlantic Gold was acquired on 19 July 2019. FY20 is shown on 100% basis

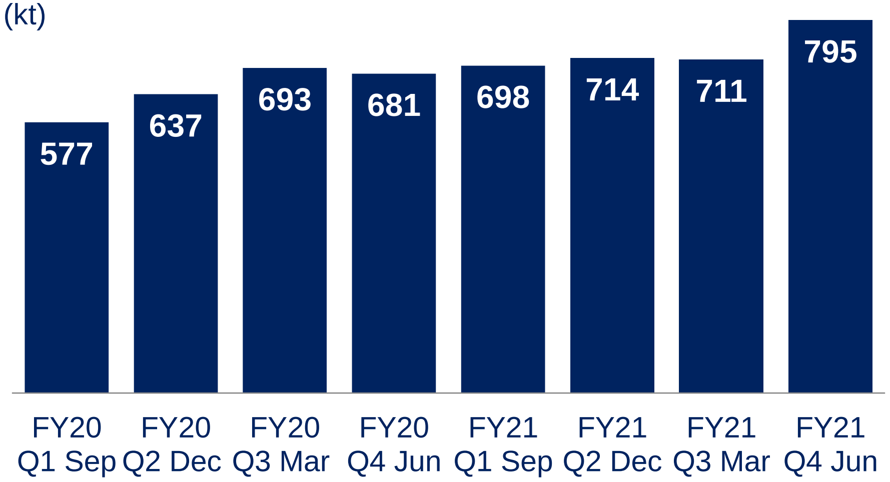
Operational overview

MINING COSTS
(A$/t of total material moved)

MILLING COSTS
(A$/t of ore)



ORE MILLED
(kt)



Key Statistics

Mining method	open pit – shovel / truck
Current mining depth	120 metres below surface
Processing	Carbon-in-leach
Plant capacity	2Mtpa (nominal)
Power generation	Grid and renewables
Workforce (all DIDO)	~6 contractors, ~321 employees
FY22 production guidance	65 – 85 koz
FY22 AISC guidance	A$1,305 – A$1,515[1] per ounce
Reserve grade	1.1 g/t Au
Reserves	1.7 Moz
Resources	2.1 Moz

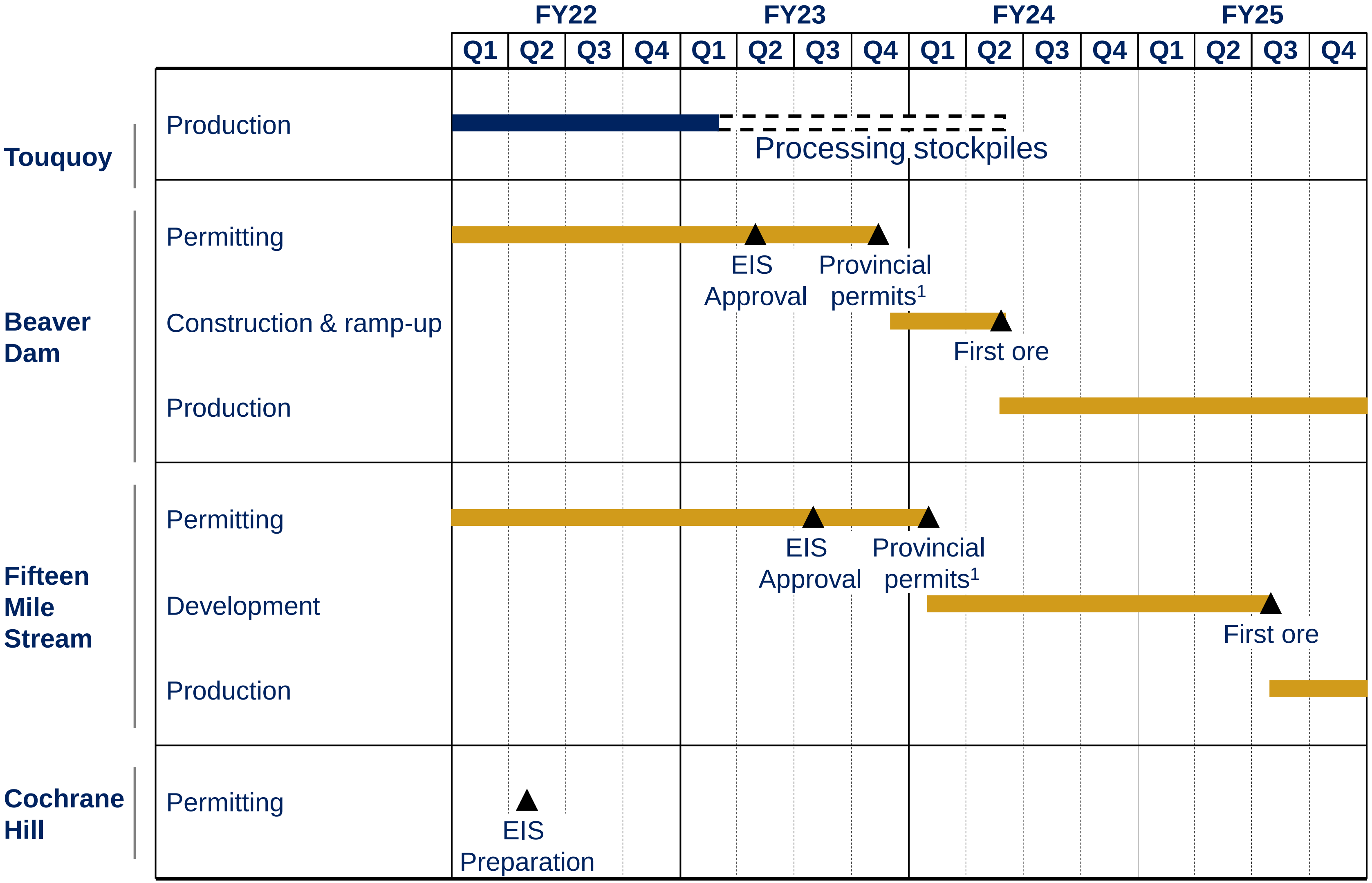
1. C$1,240 to C$1,440 per ounce at AUD/CAD of 0.95

Beaver Dam & Fifteen Mile Stream Expansion Projects

Exploration targets in Nova Scotia

Atlantic Projects

Indicative timeline for development



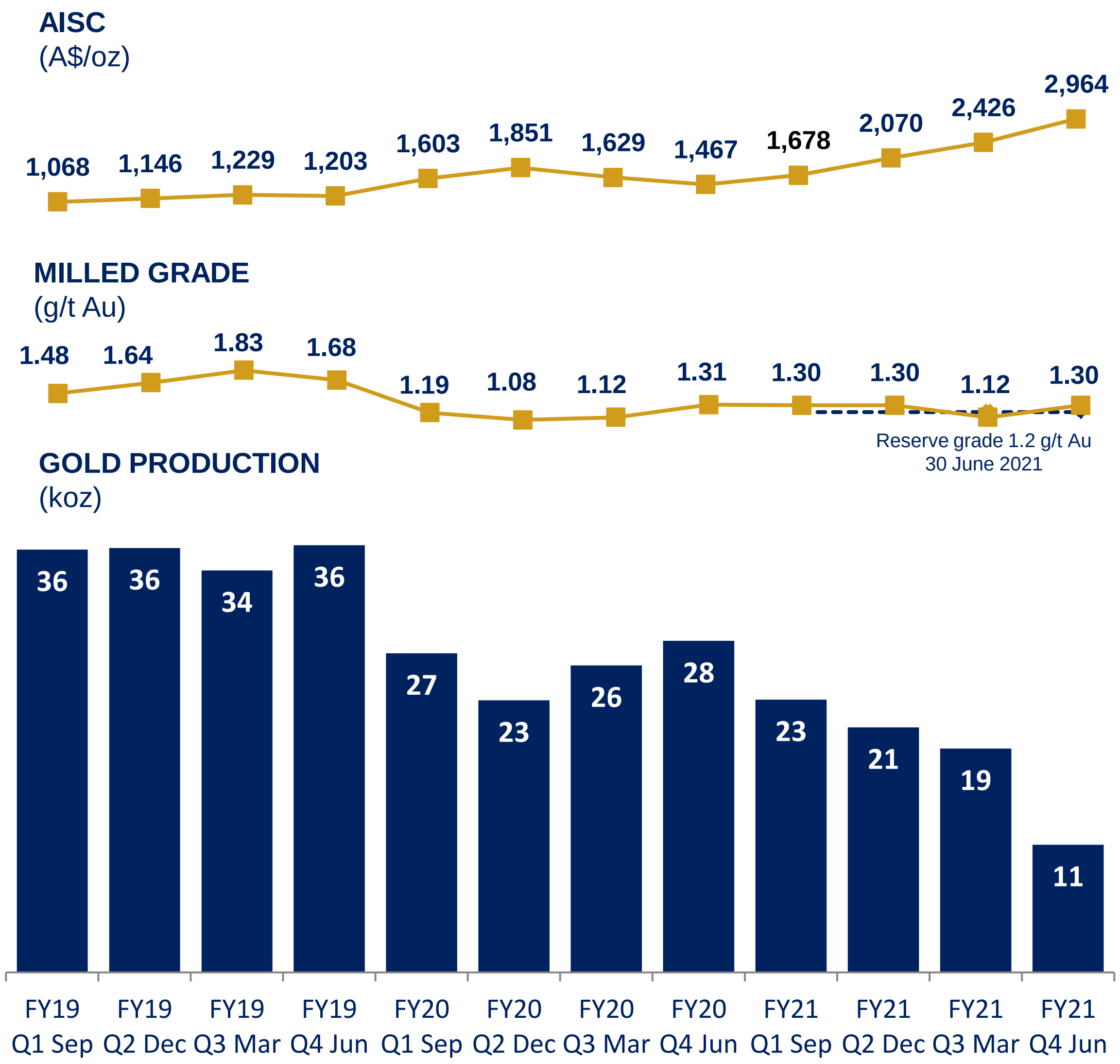
1. Provincial permits: Industrial Approval; Wetland Alteration; Water Withdrawal Authorization; Fisheries Authorization; Metal and Diamond Mining Effluent Regulations Schedule 2.

Tailings Storage Facility

- Type: Downstream raise. Rock dam with clay core and 2 filter layers
- Water Management: tailings pond, effluent treatment plant (ETP), polishing pond and engineered wetland
- Elevation: 128 metres above sea level
- Current wall height: 20 metres
- Projected final wall height: 24 metres (subject to permitting)
- Total capacity: 9.3 Mt
- Cyanide treatment – destruction via INCO sulphur dioxide treatment in processing plant
- 95% of the water required for processing is recycled process water, with 5% fresh water make-up from Scraggy Lake
- Metals treatment: in two stages. Initially in processing plant via oxygen reduction with ferric sulphate (~80%) and at the Effluent Treatment Plant (ETP), with hydrated lime to adjust pH, peroxide and ferric sulphate with a coagulant polymer, capture of precipitate with geo-bags.
- Built to Canadian Dam Association and member of International Commission on Large Dams guidelines
- Groundwater and surface water testing performed at multiple locations and reported to regulators

Simberi Operations

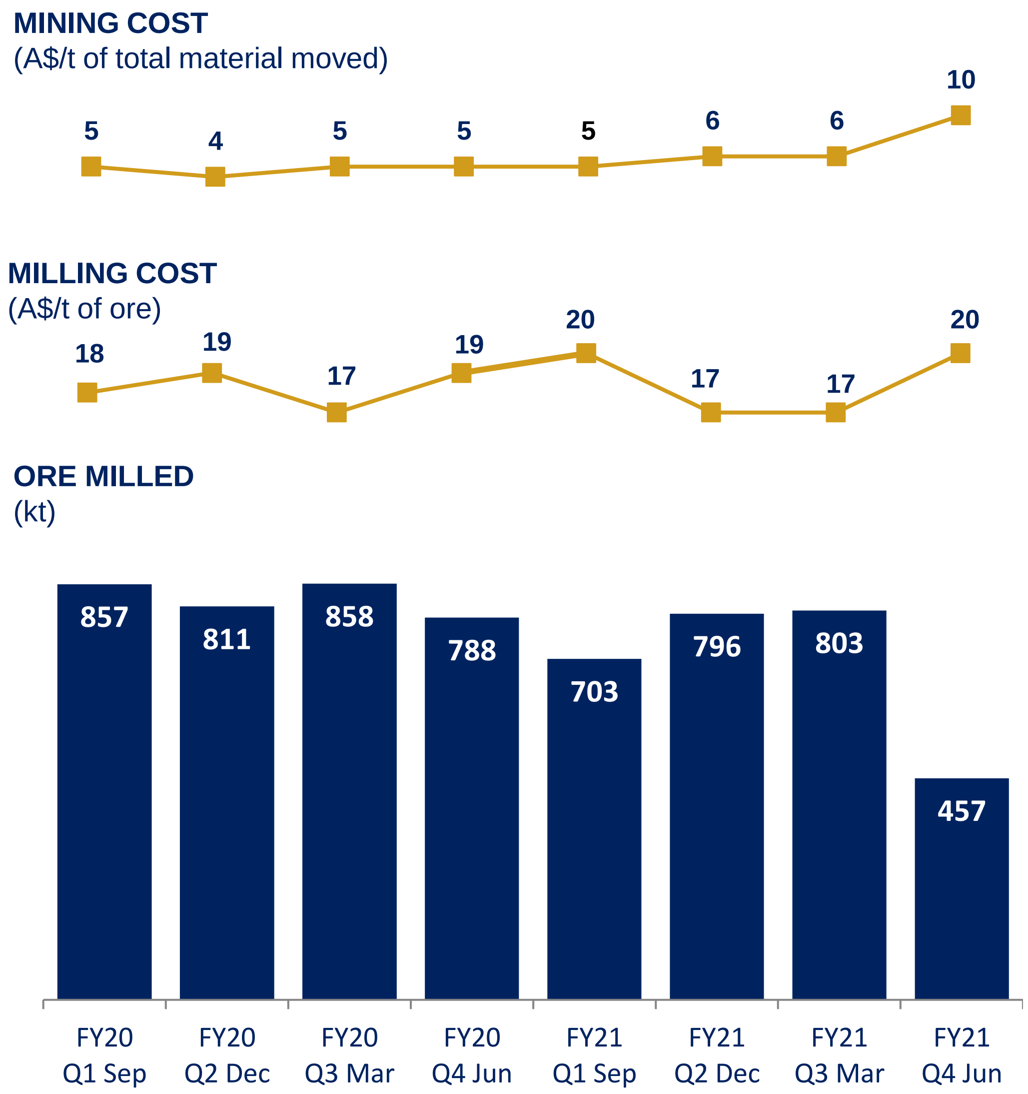
Simberi Operations



Operational Performance

		FY19	FY20	FY21
Open pit ore mined	kt	3,396	2,963	2,390
Waste mined	kt	8,949	8,638	6,410
Mined grade	g/t Au	1.43	1.06	1.35
Ore milled	kt	3,072	3,314	2,758
Milled grade	g/t Au	1.64	1.17	1.25
Gold recovery	%	87	83	67
Gold production	koz	142	104	74
Gold sold	koz	146	102	82
Cash Cost	A$/oz	1,016	1,482	1,912
Realised gold price	A$/oz	1,761	2,323	2,482
AISC	A$/oz	1,162	1,631	2,162
Sustaining capital	A$M	9	5	9
Growth capital	A$M	5	4	5
Net cashflow	A$M	98	74	46

Operational overview



Key Statistics

Mining method	open pit – shovel / truck
Processing	Carbon-in-leach
Plant capacity	2.7 Mtpa
Power generation	Diesel and renewables
Workforce (>40% local)	~467 contractors, ~767 employees
FY22 production guidance	60 – 70 koz
FY22 AISC guidance	A$2,465 – A$2,650[1] per ounce
Reserve grade (oxide + transitional)	1.4 g/t Au
Reserves (oxide + transitional)	0.5 Moz
Resource (oxide + transitional)	1.0 Moz
Reserves (sulphide)	1.6 Moz
Resources (sulphide)	3.2 Moz

1. US$1,850 to US$1,990 per ounce at AUD/USD of 0.75

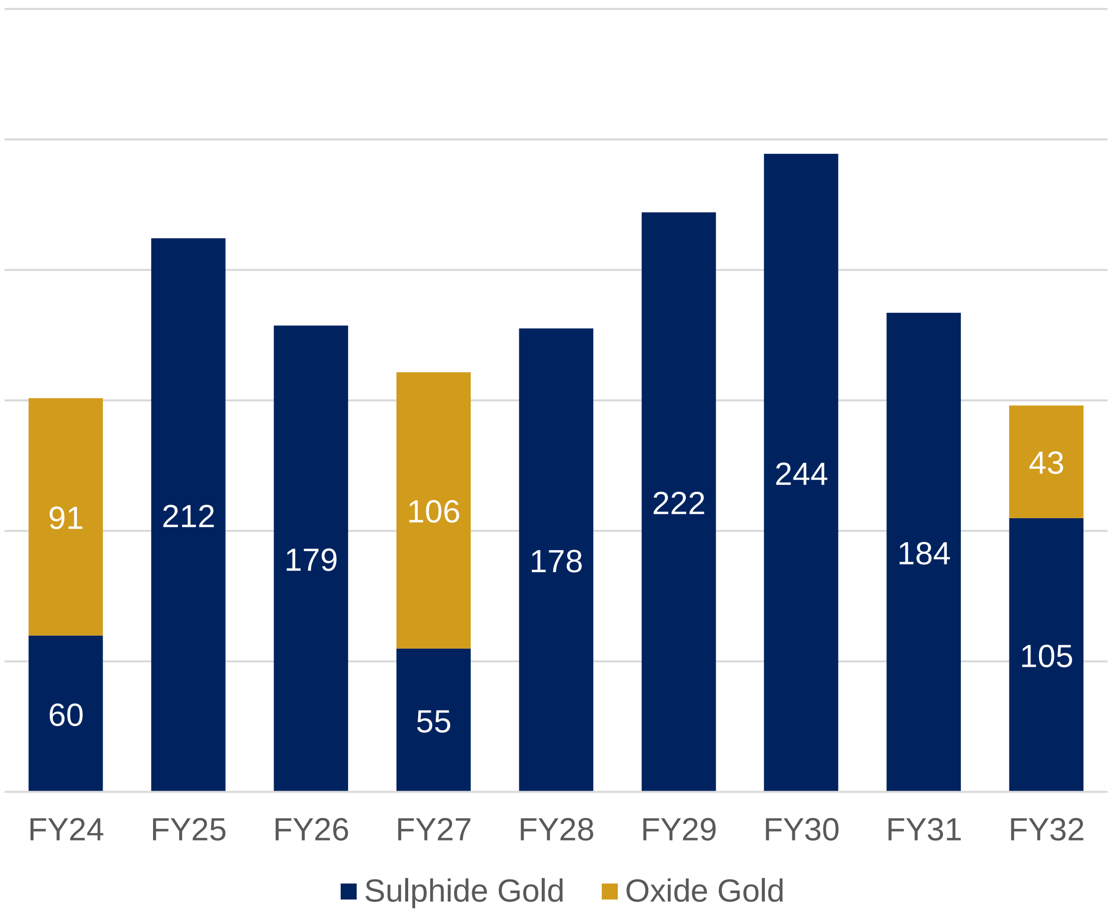
Sulphide project – FY24 and beyond

In April 2021, the Board approved pre-investment work of US$13 million

Feasibility Study highlights:

- Initial capital expenditure of US$170 M
- Payback period of ~3 years
- Life of mine averages
  - Gold production of ~160 koz per annum
  - AISC of US$896 per ounce
- NPV[1] of US$220 M (post-tax) at a real discount rate of 8% per annum
- IRR[2] of ~40% (post-tax)
- Concentrate payable of ~86% (NSR[3] basis FOB[4] Simberi)
- Mine life of ~11 years
- First ore ~FY24

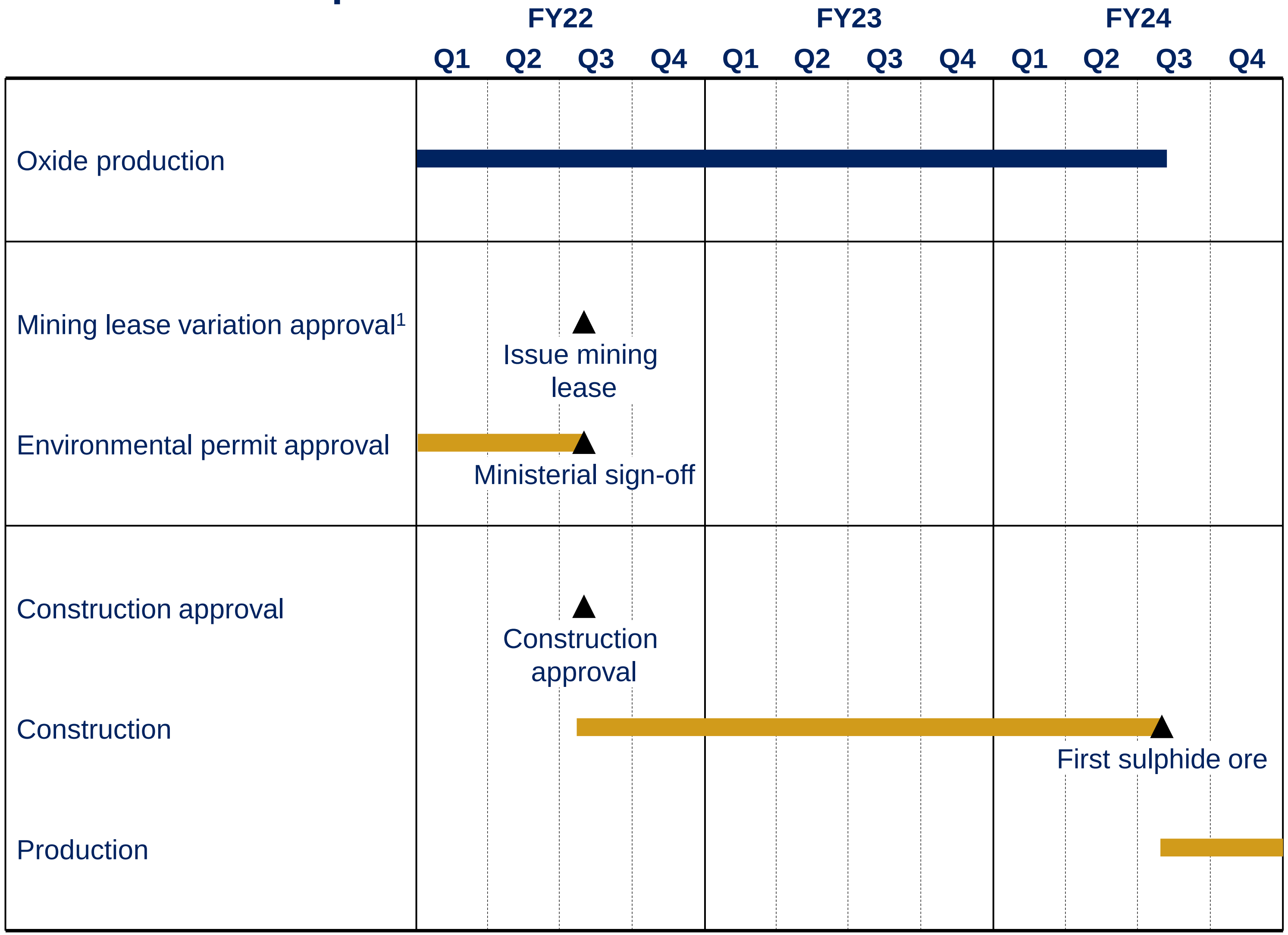
Forecast Gold Production (koz)



1. Net Present Value
2. Internal Rate of Return
3. Net Smelter Return
4. Freight On Board

Simberi Sulphide Project

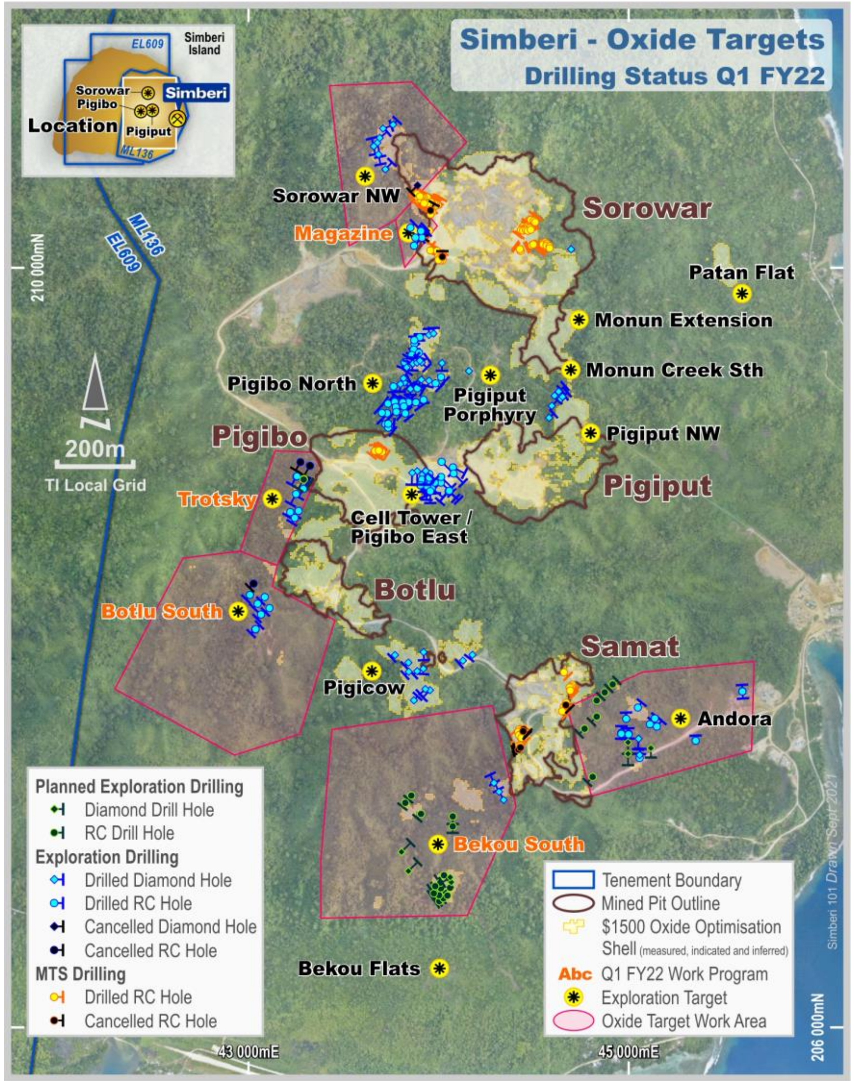
Indicative timeline for development



1. Required for sulphide processing

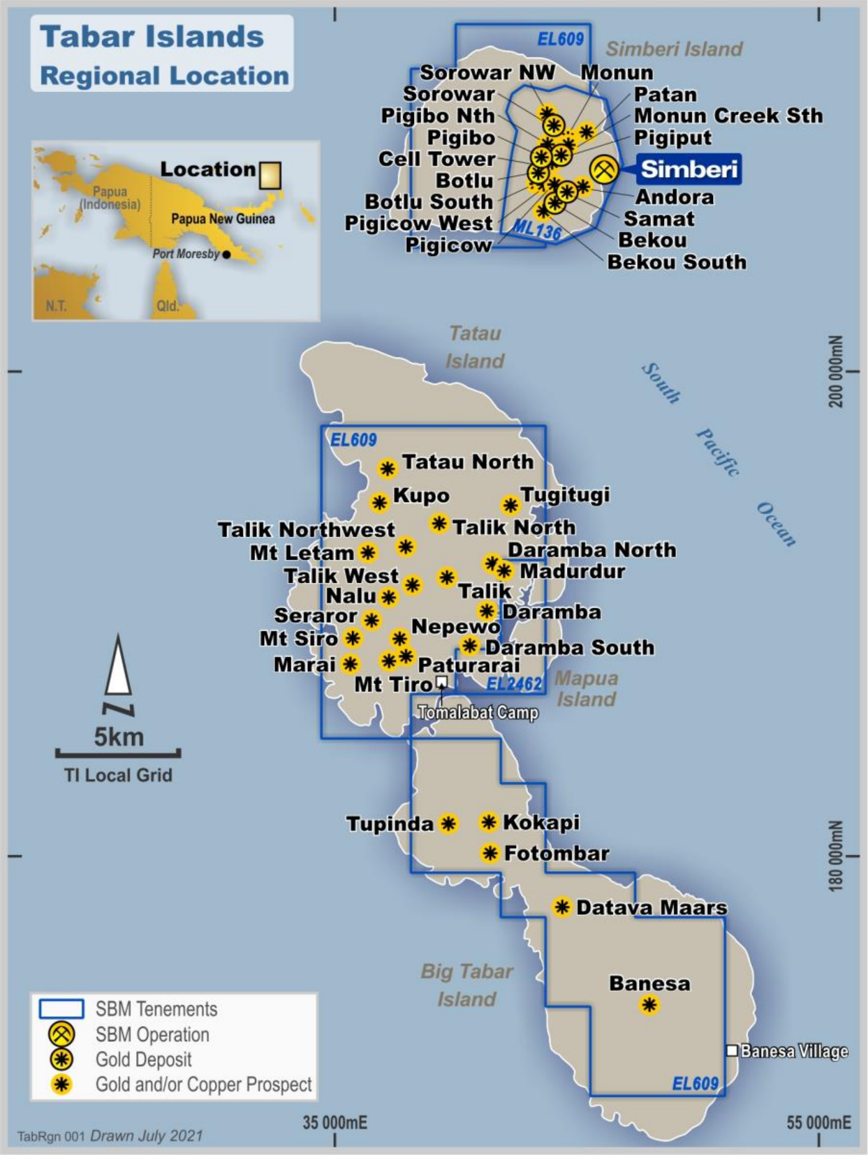
Exploration – near mine oxide targets

Oxide exploration drill rig at Simberi



Exploration on Tabar Islands Group

Exploration drilling on Big Tabar Island



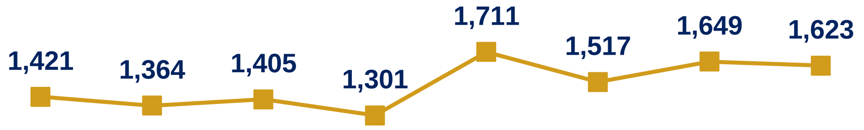
Tailings Storage Facility

- Type: Deep-Sea Tailings Placement deposition (DSTP)
- Discharge point: 135 metres below sea level and 300 metres offshore
- Tailings thickened to recover process water for re-use, then diluted with sea water
- Pipeline begins below sea level with an emergency sea water dump valve to maintain pressure if tailings flow ceases
- Discharged tailings are heavier-than-water and deposit past the island's reefs at approximately three kilometres deep on the ocean floor
- The tailings are benign
- Pipeline is regularly inspected by divers in the shallower zone, and periodically in the deeper zone by deep-sea robotic submersibles
- Monthly testing of the marine environment at multiple locations
- Built to Conservation and Environmental Protection Authority requirements by a leading specialist engineering firm.

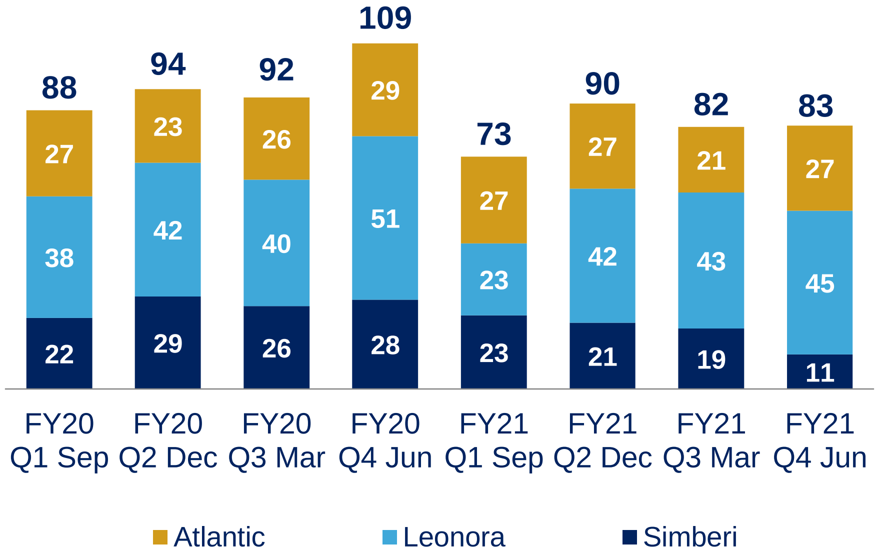
Financials

Consolidated Performance

AISC[1]
(A$/oz)



GOLD PRODUCTION
(koz)



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

FY21 Consolidated Performance

		FY20	FY21
Production	koz	382	328
AISC	A$/oz	1,369	1,616
Sustaining capital	A$M	73	91
Growth capital	A$M	60	49
Net Operations Cashflow	A$M	273	208

FY22 Guidance

	Production (koz)	AISC (A$/oz)
Atlantic Operations	65 – 85	1,305 – 1,515[2]
Leonora Operations	180 – 200	1,605 – 1,720
Simberi Operations	60 – 70	2,465 – 2,650[3]
Consolidated	**305 – 355**	**1,710 – 1,860**

1. All-in Sustaining Costs. Non-IFRS refer to slide 54
2. C$1,240 to C$1,440 per ounce at AUD/CAD of 0.95
3. US$1,850 to US$1,990 per ounce at AUD/USD of 0.75

FY21 Group All-In Sustaining Cost reconciliation

	Leonora A$/oz	Atlantic A$/oz	Simberi A$/oz	Group A$/oz
Gold Production (koz)	**152,696**	**101,243**	**73,723**	**327,662**
Mining	844	286	787	659
Processing	158	331	683	330
Site services	116	144	401	189
Stripping and ore inventory adjustments	9	(43)	0	(9)
By-product credits	(3)	(2)	(37)	(10)
Third party refining and transport	1	2	9	3
Royalties	60	43	69	56
Total cash operating cost	**1,185**	**761**	**1,912**	**1,218**
Less operating development	(234)	0	0	(109)
Adjusted cash operating cost	**951**	**761**	**1,912**	**1,108**
Corporate and administration	77	77	77	77
Corporate royalty	49	0	0	23
Rehabilitation	8	14	40	17
Operating development	233	0	0	108
Capitalised mine development	359	0	0	167
Sustaining capital expenditure	67	175	132	115
All-In Sustaining Cost	**1,744**	**1,027**	**2,162**	**1,616**

FY21 Financial Summary

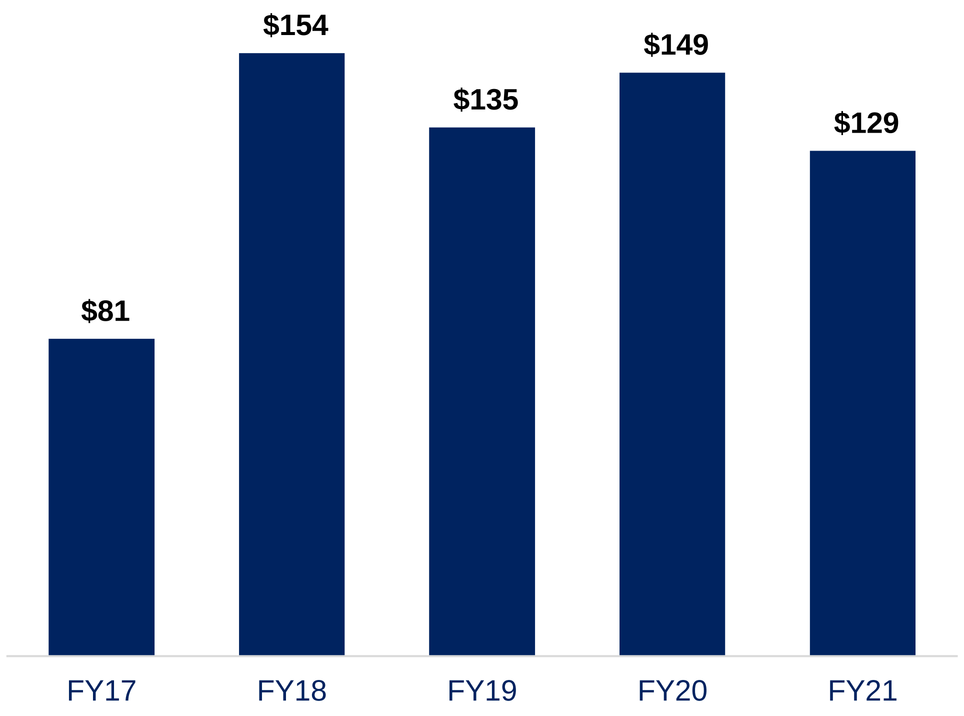
- Solid NPAT, EBITDA and cash flow from operations
- A$133 million cash at bank
- A$84 million debt[1]
- Fully franked final dividend of 2 cents per share (6 cents total for FY21)

		FY20	FY21	Change
EBITDA (excluding significant items)[2]	A$M	339	300	(12%)
Underlying EBITDA margin[2]	%	41	40	(2%)
Underlying NPAT[2]	A$M	108	81	(26%)
Cash flow from operating activities	A$M	280	227	(19%)
Cash and cash deposits	A$M	406	133	(67%)
Earnings per share (underlying)[2]	cents	16	11	(26%)
Dividend per share	cents	8	6	25%
Return on equity (underlying)[2]	%	8	6	(2 points)

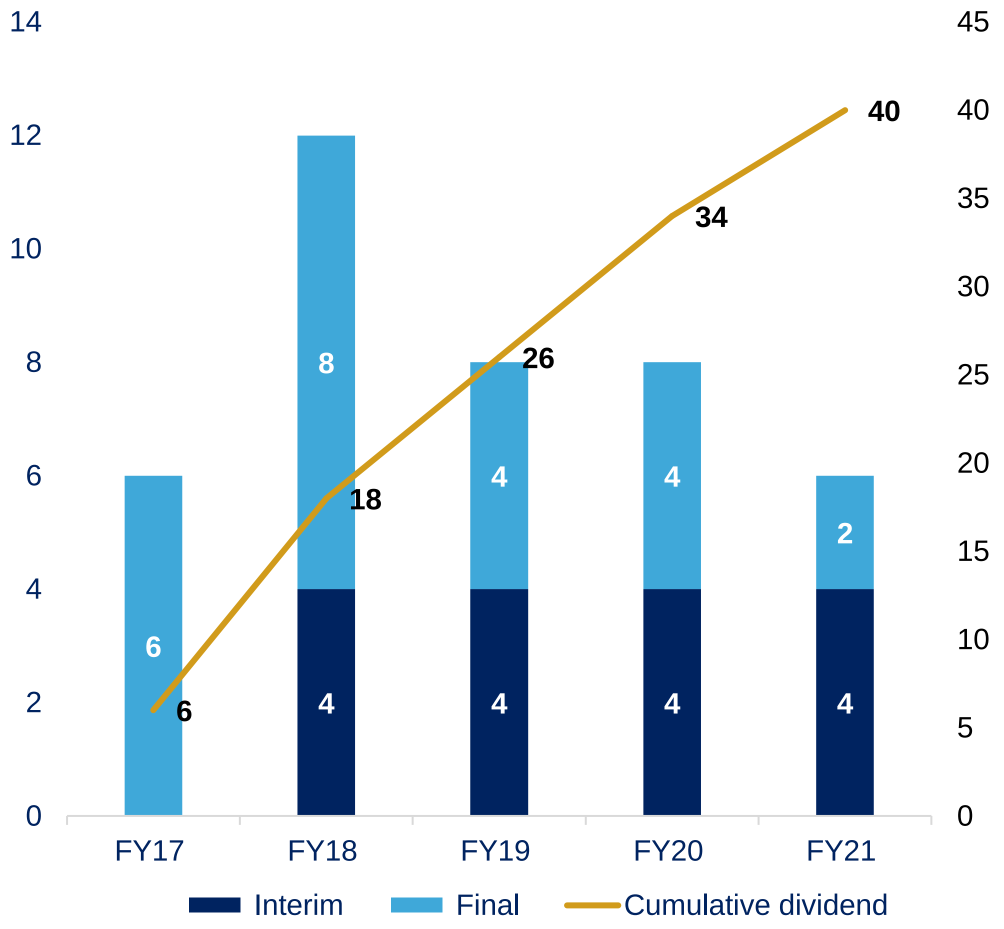
1. Debt excludes lease liabilities
2. Non-IFRS financial measures, the details of these are set out on slide 54

Maintained shareholder returns since dividends recommenced

Dividends per ounce produced (A$/oz)[1]

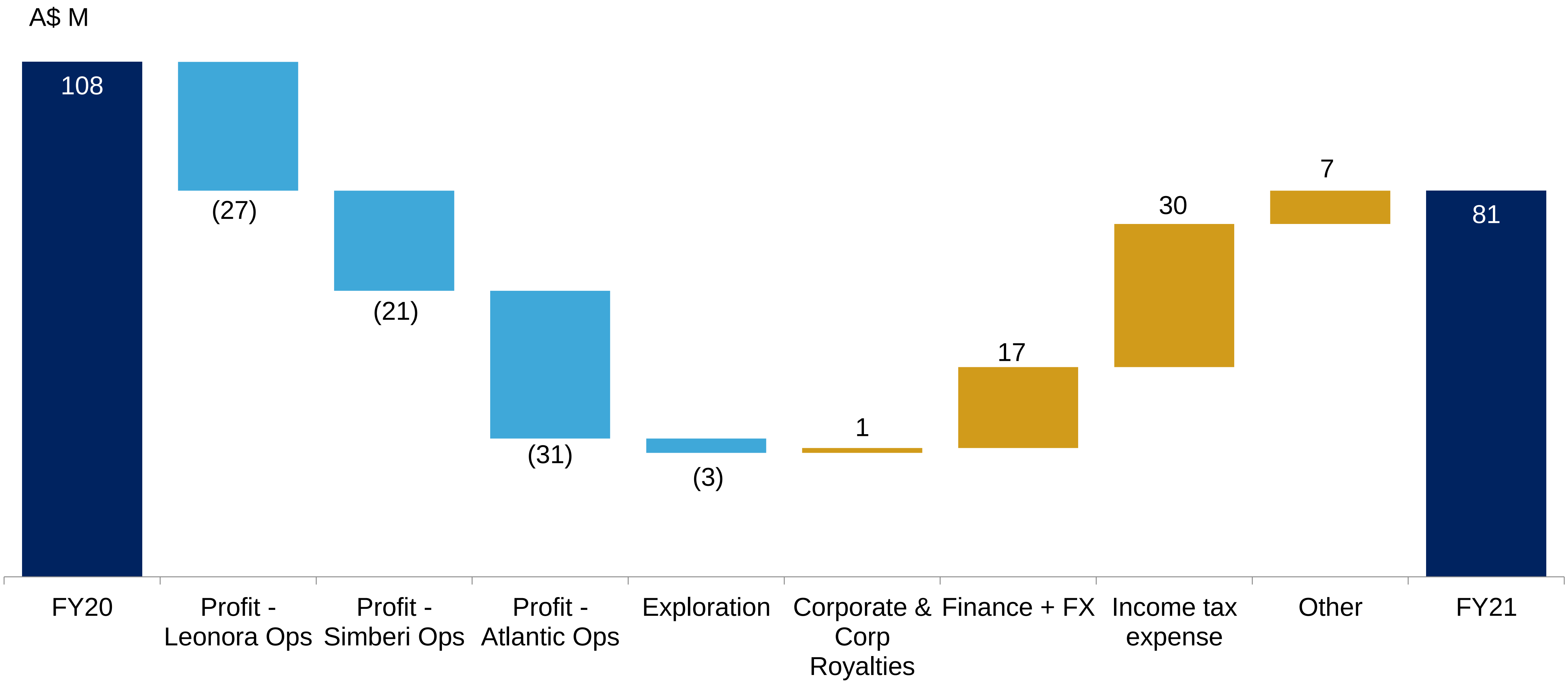


Dividends paid (cps)

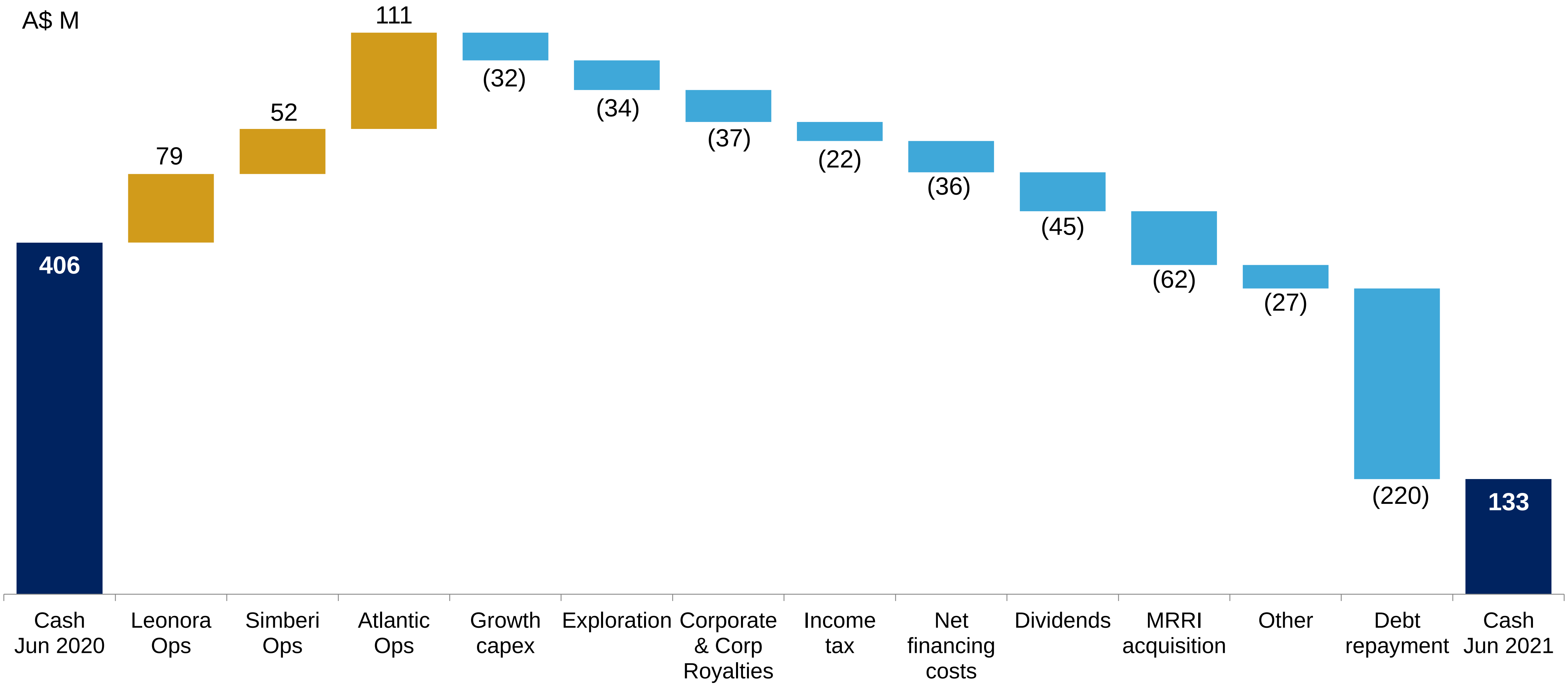


1. Gross dividends paid ÷ gold production in ounces (attributable to St Barbara)

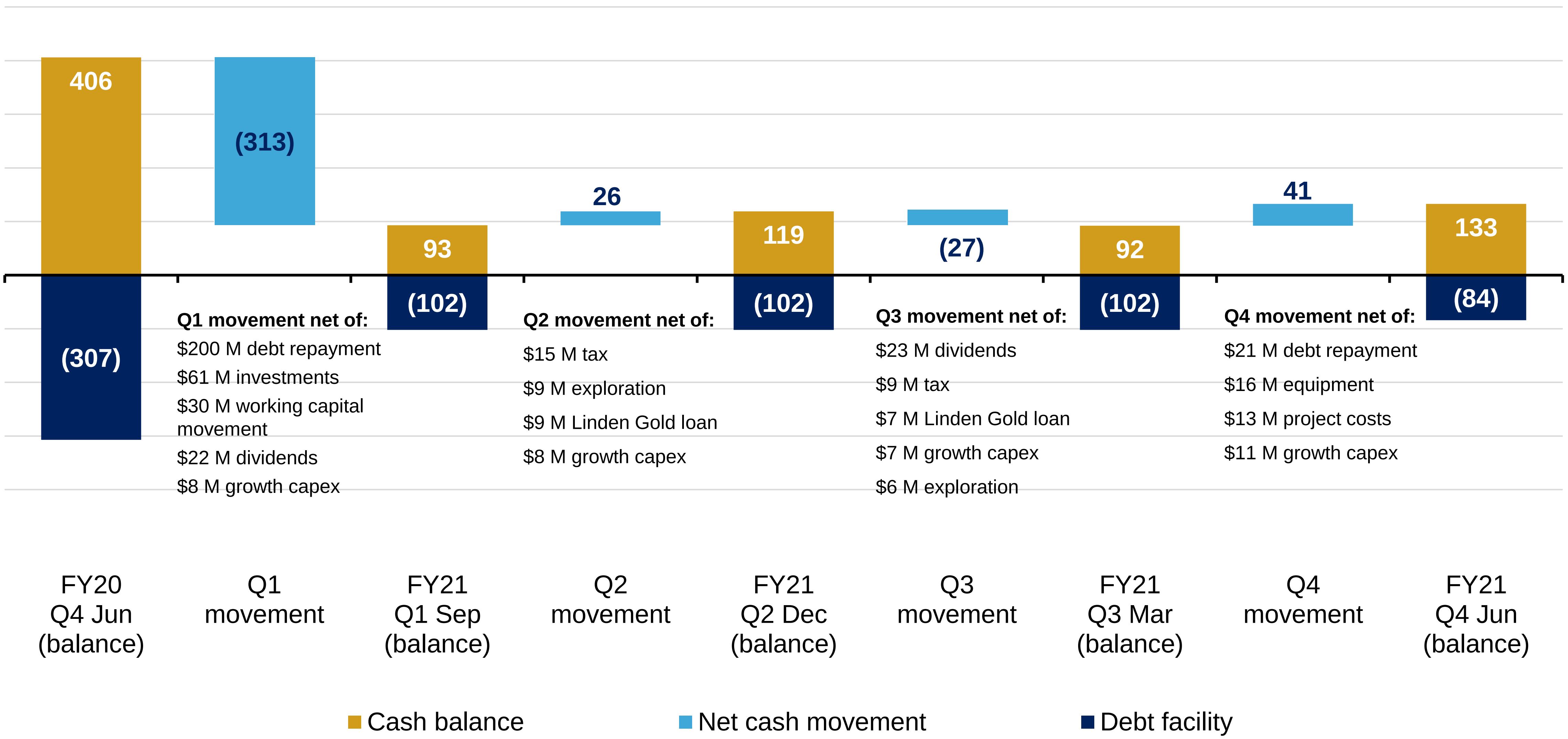
Movement in FY21 Underlying NPAT



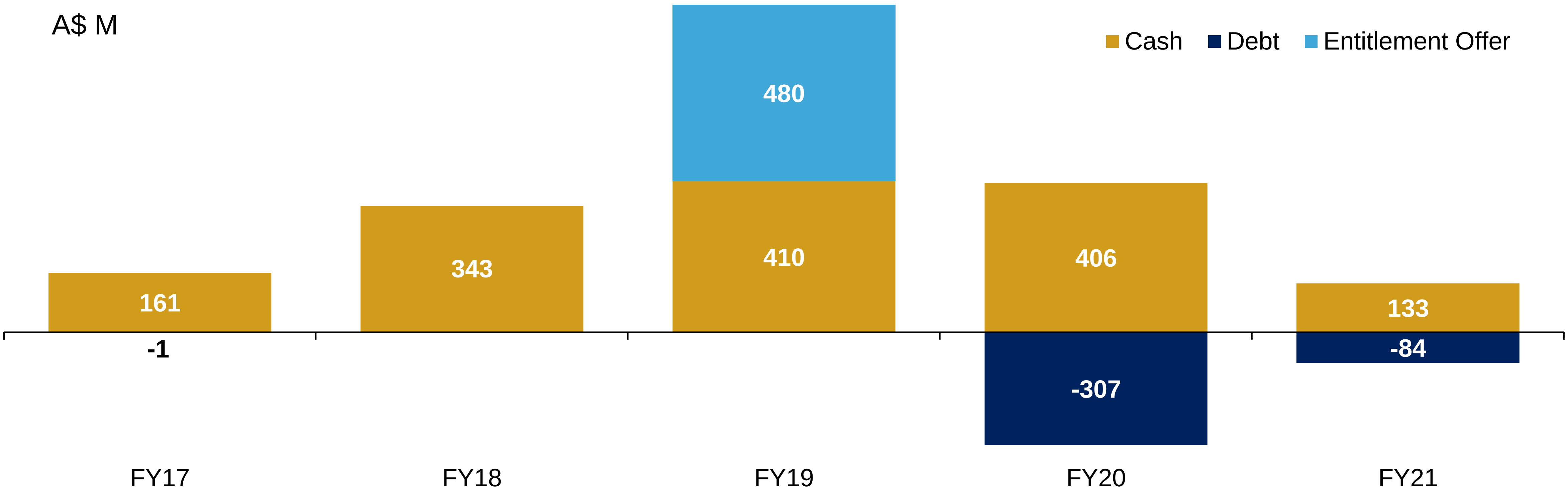
FY21 cash movement



FY21 quarterly cash balance



Balance sheet[1]



1. Debt excludes lease liabilities

Consolidated production, costs and guidance summary

Production Summary Consolidated		Year FY20	Q1 Sep FY21	Q2 Dec FY21	Q3 Mar FY21	Q4 Jun FY21	Year FY21	Guidance FY21	Guidance FY22
St Barbara's financial year is 1 July to 30 June		*Year to 30 June 2020*	*Qtr to 30 Sep 2020*	*Qtr to 31 Dec 2020*	*Qtr to 31 Mar 2021*	*Qtr to 30 Jun 2021*	*Year to 30 June 2021*	*Year to 30 June 2021*	*Year to 30 June 2022*
Production									
Atlantic	oz	106,663	27,226	26,693	20,606	26,718	101,243	100 to 110 koz	65 to 85 koz
Gwalia	oz	171,156	22,625	42,198	42,716	45,157	152,696	150 to 160 koz	180 to 200 koz
Simberi	oz	104,068	23,139	20,779	18,981	10,824	73,723	withdrawn	60 to 70 koz
Consolidated	**oz**	**381,887**	**72,990**	**89,670**	**82,303**	**82,698**	**327,662**	**n/a**	**305 to 355 koz**
Mined Grade								Milled grade	
Atlantic	g/t	0.93	0.95	0.91	0.71	0.91	0.88	1.33	
Gwalia	g/t	7.7	8.1	8.3	8.0	6.5	7.6	8.3	
Simberi	g/t	1.06	1.19	1.49	1.33	1.47	1.35	1.25	
Total Cash Operating Costs									
Atlantic	A$/oz	713	669	736	903	769	761	n/a	
Gwalia	A$/oz	1,071	1,560	1,037	1,044	1,271	1,185	n/a	
Simberi	A$/oz	1,482	1,481	1817	2,032	2,835	1,912	n/a	
Consolidated	A$/oz	**1,083**	**1,203**	**1,128**	**1,237**	**1,314**	**1,218**	n/a	
All-In Sustaining Cost									
Atlantic	A$/oz	928	1,008	999	1,128	1,011	1,027	958 to 1,050[1]	1,305 to 1,515[2]
Gwalia	A$/oz	1,485	2,592	1,573	1,555	1,663	1,744	1,815 to 1,950	1,605 to 1,720
Simberi	A$/oz	1,631	1,678	2,070	2,426	2,964	2,162	withdrawn	2,465 to 2,650[3]
Consolidated	**A$/oz**	**1,369**	**1,711**	**1,517**	**1,649**	**1,623**	**1,616**	**n/a**	**1,710 to 1,860**

1. C$920 to US$1,010 per ounce at AUD/CAD of 0.96 2. C$1,240 to C$1,440 per ounce at AUD/CAD of 0.95 3. US$1,850 to US$1,990 per ounce at AUD/USD of 0.75

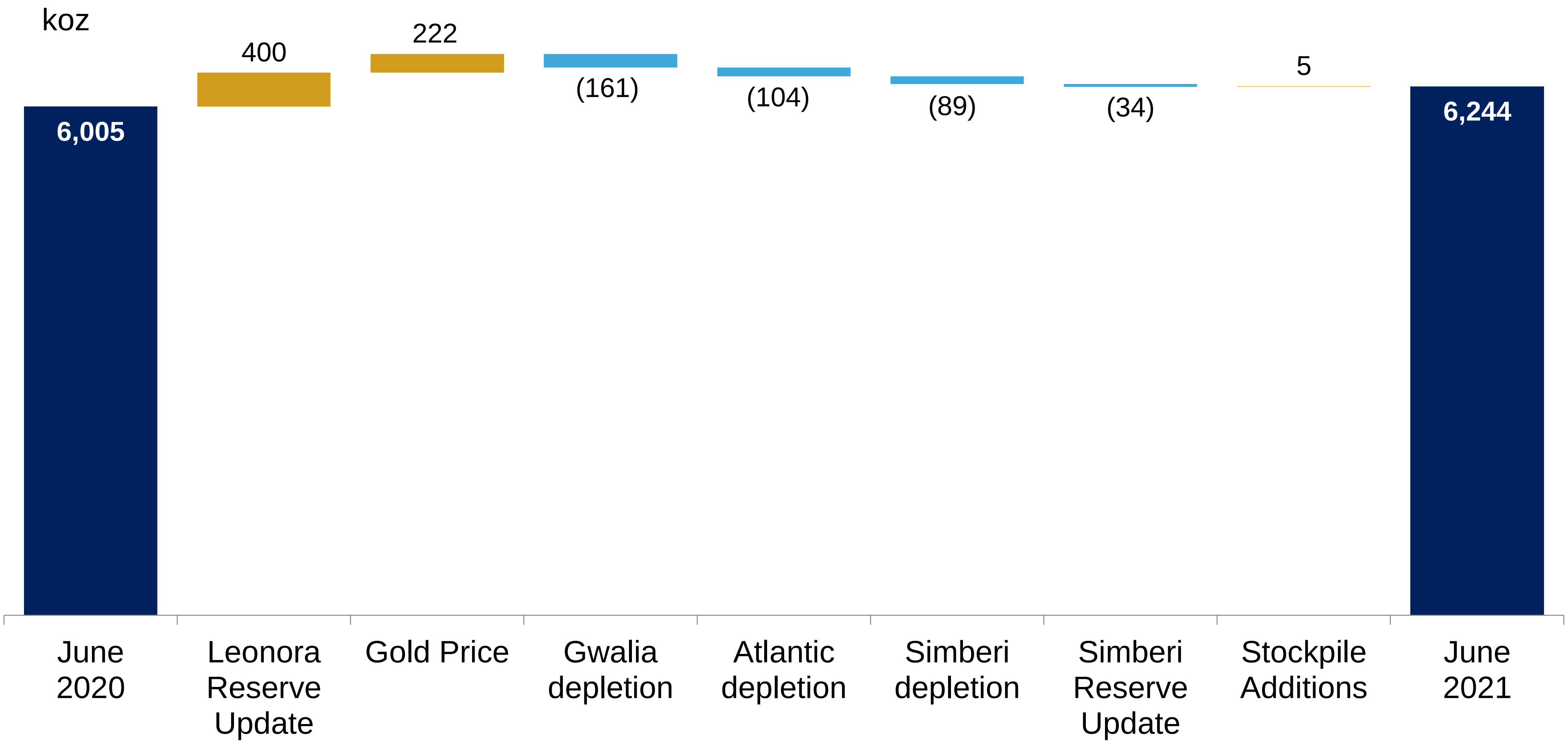
Hedging summary as at 13 September 2021

Financial Year	Volume Ounces	Price $/oz	Type	Delivery	Delivery schedule	Announced
Sep 21 to Dec 22	58,906	C$2,050	European call options	Sep 2021 to Dec 22	Monthly	24 Feb 2020[1]

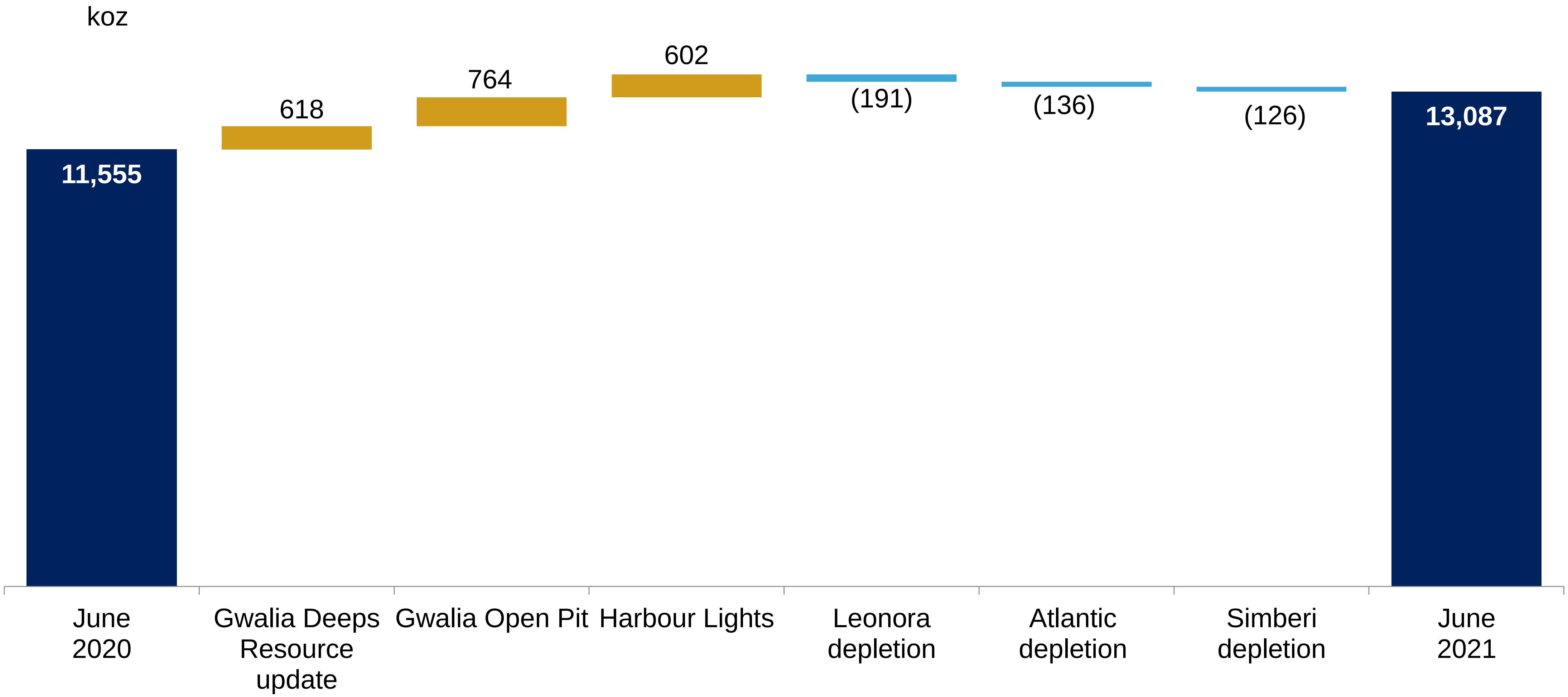
1. The European call options replaced previous forward contacts priced at C$1,550/oz

Resources & Reserves

FY21 Ore Reserves increase greater than depletion



Leonora Province Plan delivers ~2 Moz of Mineral Resources in FY21



Ore Reserves summary at 30 June 2021

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)	1,631	7.0	368	11,677	4.9	1,853	13,308	5.2	2,221
Tower Hill, (WA)	-	-	-	2,572	3.7	306	2,572	3.7	306
Simberi Oxide, (PNG)	1,257	1.4	58	3,418	1.1	120	4,675	1.2	178
Simberi Transitional, (PNG)	1,416	1.7	77	4,963	1.6	230	6,378	1.5	307
Simberi Sulphide, (PNG)	1,255	2.0	81	22,755	2.0	1,483	24,010	2.0	1,563
Simberi Stockpiles, (PNG)	-	-	-	188	2.3	14	188	2.3	14
Atlantic Mining, (NS)	21,210	1.1	778	22,270	1.1	781	43,480	1.1	1,558
Atlantic Mining Stockpile, (NS)	6,400	0.5	97	-	-	-	6,400	0.5	97
Total All Projects	**33,169**	**1.4**	**1,459**	**67,843**	**2.2**	**4,787**	**101,011**	**1.9**	**6,244**

1. Ore Reserves are based on a gold price of: Gwalia (A$2,000/oz), Tower Hill (A$1,250/oz), Simberi (US$1,500/oz) and Atlantic Gold (C$1,948/oz for Touquoy & Beaver Dam and C$1,688/oz for Fifteen Mile Stream & Cochrane Hill)
2. Mineral Resources are reported inclusive of Ore Reserves
3. 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 26 August 2021 '*Ore Reserves and Mineral Resources Statements 30 June 2021*' available at www.stbarbara.com.au

Mineral Resources summary at 30 June 2021

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 Deeps, (WA)	3,843	5.9	730	19,120	5.8	3,543	2,485	6.8	540	25,448	5.9	4,813
Gwalia Open Pit, (WA)	2,221	2.3	164	6,218	2.9	600	-	-	-	8,439	2.8	764
Harbour Lights, (WA)	-	-	-	12,268	1.4	569	616	1.7	33	12,884	1.5	602
Tower Hill, (WA)	-	-	-	4,604	3.9	574	489	3.3	51	5,093	3.8	625
Simberi Oxide, (PNG)	1,974	1.3	80	6,117	1.0	202	3,970	1.1	140	12,061	1.1	422
Simberi Transitional, (PNG)	2,665	1.2	104	11,044	1.1	389	3,315	1.1	113	17,023	1.1	605
Simberi Sulphide, (PNG)	1,941	1.6	98	41,916	1.7	2,238	17,166	1.5	828	61,023	1.6	3,164
Atlantic Operations, (NS)	23,471	1.1	838	30,196	1.0	1,004	7,026	1.1	249	60,693	1.1	2,091
Total All Projects	**36,115**	**1.7**	**2,014**	**131,483**	**2.2**	**9,120**	**35,066**	**1.7**	**1,953**	**202,665**	**2.0**	**13,087**

1. Mineral Resources are reported inclusive of Ore Reserves
2. Data is rounded to thousands of tonnes and thousands of ounces. Discrepancies in totals may occur due to rounding

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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 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
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
Dividend yield	Dividend ÷ share price
EBIT	Earnings before interest revenue, finance costs and income tax expense
EBITDA	EBIT before depreciation and amortisation
EBITDA margin	EBITDA ÷ Revenue
Earnings Per Share (EPS)	Profit attributable to equity holders (excluding any costs of servicing equity other than ordinary shares) □ weighted average number of ordinary shares outstanding during the reporting period
Net-cash	Net-cash equivalent to cash and cash equivalents less current and non-current interest bearing borrowings
Net-debt	Net-debt equivalent to current and non-current interest bearing borrowings less cash and cash equivalents
ROE	'Return on equity' is calculated as underlying NPAT expressed as a percentage of average total equity. Refer 2021 Directors' and Financial Report (p3) for details
Significant Items	Items whose nature or amount is considered material to the financial report. Refer Note 3 of 2021 Financial Report (p57) for details
Underlying EBITDA / NPAT	EBITDA or NPAT after excluding identified significant items. Refer 2021 Financial Report (p3) for details.
2021 Financial Report	Refer 2021 Directors' and Financial Report available at stbarbara.com.au

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