
18 October 2022

Presentation on Q1 September FY23 Quarterly Report and audio webcast

Mr Craig Jetson, Managing Director & CEO, will brief analysts and investors on the Q1 September FY23 Quarterly Report at 11.00 am Australian Eastern Daylight Time (UTC + 11 hours) on Tuesday 18 October 2022.

Analysts and investors can register for the briefing at <https://s1.c-conf.com/diamondpass/10025723-ki88re.html>.

An audio webcast will be available live and after the event on St Barbara's website at stbarbara.com.au/investors/webcast/ or by [clicking here](#). The audio webcast is listen only and does not enable questions.

Authorised by

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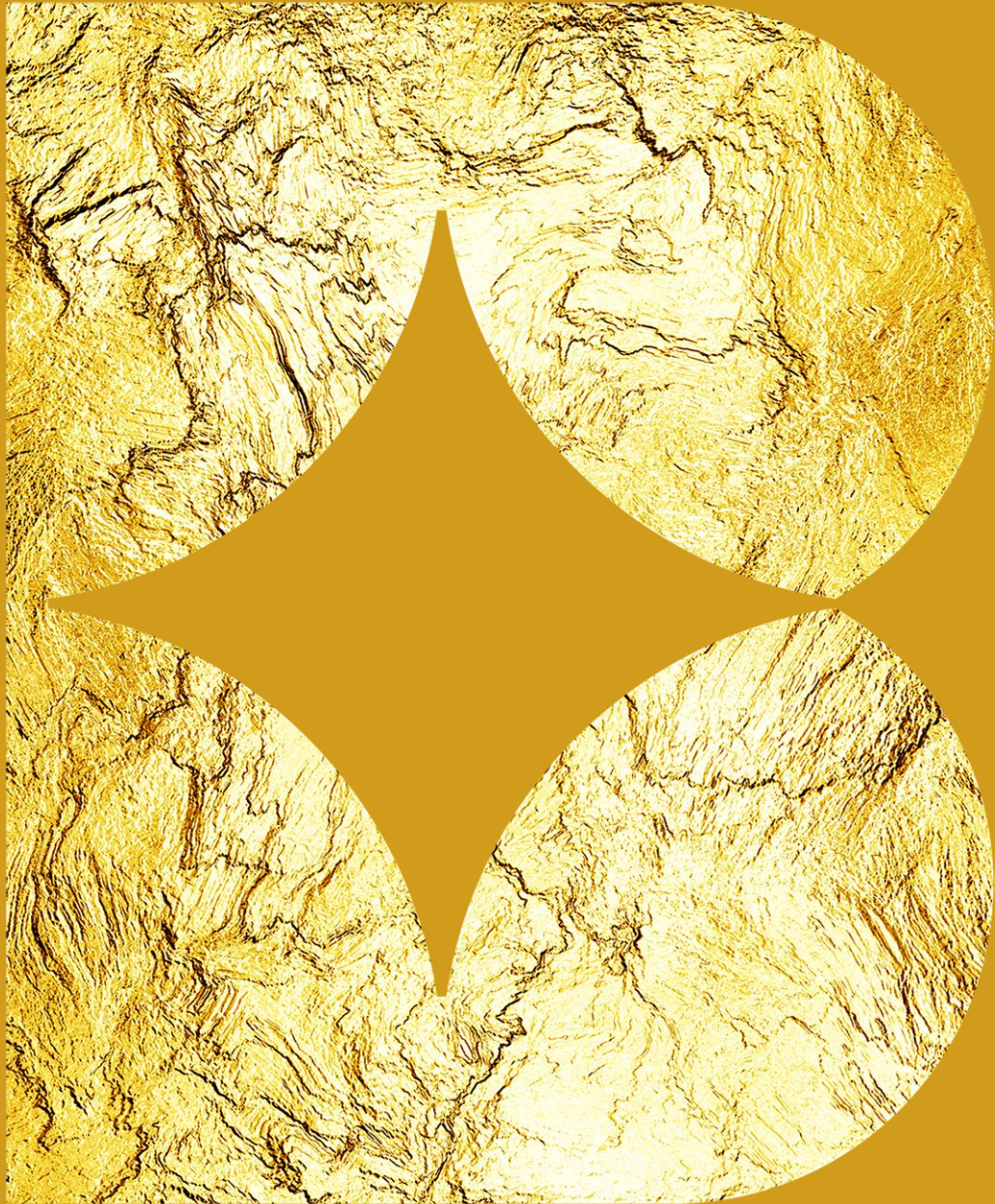
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Q1 September FY23 Quarterly Presentation

Craig Jetson
Managing Director and CEO

18 October 2022

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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.

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

Published 18 October 2022



Acknowledgement of Country

We at St Barbara acknowledge the First Nations people of the ancestral lands on which we operate in Australia, Canada and Papua New Guinea. We pay our respects to all First Nations people, and to Elders past, present, and emerging.

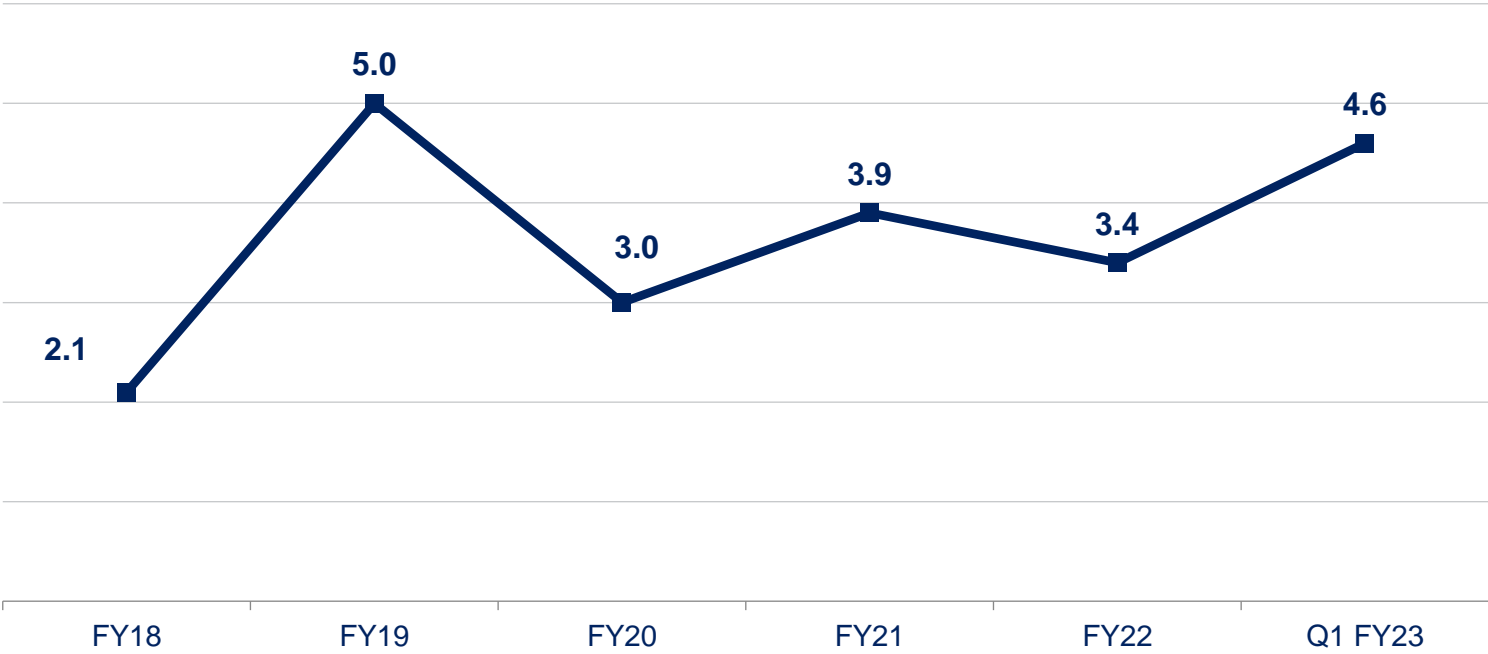
We recognise the unique cultural heritage, beliefs and connection to these lands, waters and communities held by First Nations people. We also recognise the importance of the continued protection and preservation of cultural, spiritual and educational practices.

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



Safety always

TOTAL RECORDABLE INJURY FREQUENCY RATE (TRIFR)¹



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



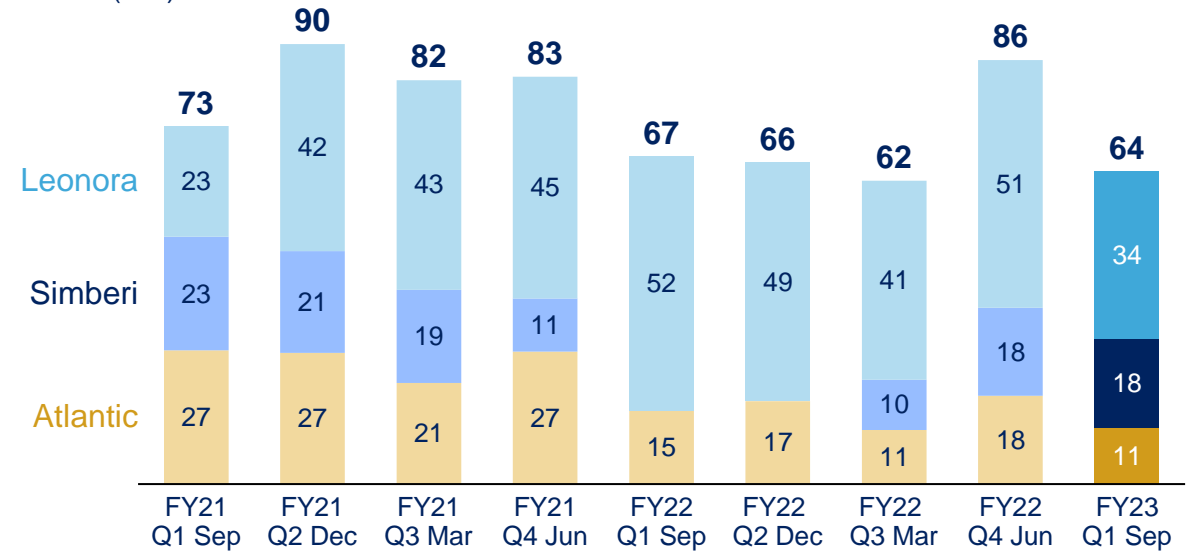
Q1 FY23 Highlights

- Gold production of 64koz at AISC¹ of \$2,490 per ounce
- Inaugural Tower Hill Open Pit Ore Reserve increases Ore Reserves in Leonora Province to 3.1Moz
- Simberi Strategic Review: Oxide mining potential to extend through FY25 deferring Sulphide project capex
- St Barbara has decided to defer the following capital expenditure for at least 12 months
 - Refractory ore circuit upgrade at Leonora Processing Plant
 - Leonora Processing Plant expansion to 2.1Mtpa
 - Construction of Aphrodite mine
- Guidance updated

AISC
(A\$/oz)



GOLD PRODUCTION
(koz)



1. Non-IFRS financial measures, the details of these are set out in the Supplementary Slides, slide 20



FY23 Guidance

Operation	Production (koz)	AISC (A\$/oz)	Capex (\$AM)	
			Sustaining	Growth
Atlantic Operations	40 – 50	2,075 – 2,315 ¹	5 – 10	20 – 25
Leonora Operations	145 – 160	2,250 – 2,450	60 – 70	30 – 40
Simberi Operations	70 – 80	2,300 – 2,540 ²	5 – 10	3 – 5
Consolidated	260 – 290	2,250 – 2,500	70 – 90	53 – 70

1. C\$1,800 to C\$2,014 per ounce at AUD/CAD of 0.87
2. US\$1,450 to US\$1,600 per ounce at AUD/USD of 0.63

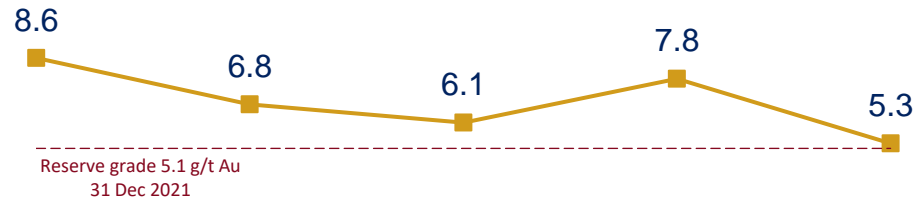


Leonora Q1 FY23 results

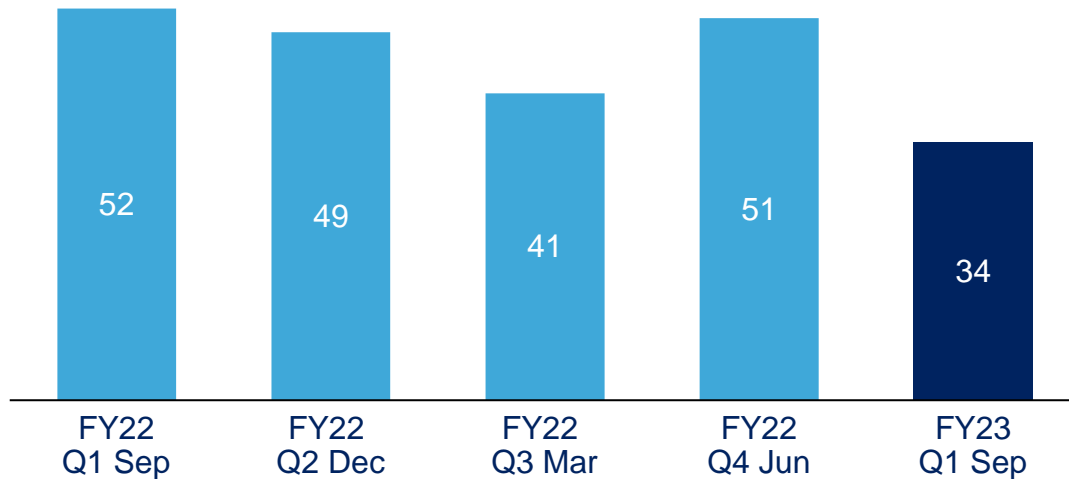
AISC
(A\$/oz)



MINED GRADE
(g/t AU)



PRODUCTION
(koz)



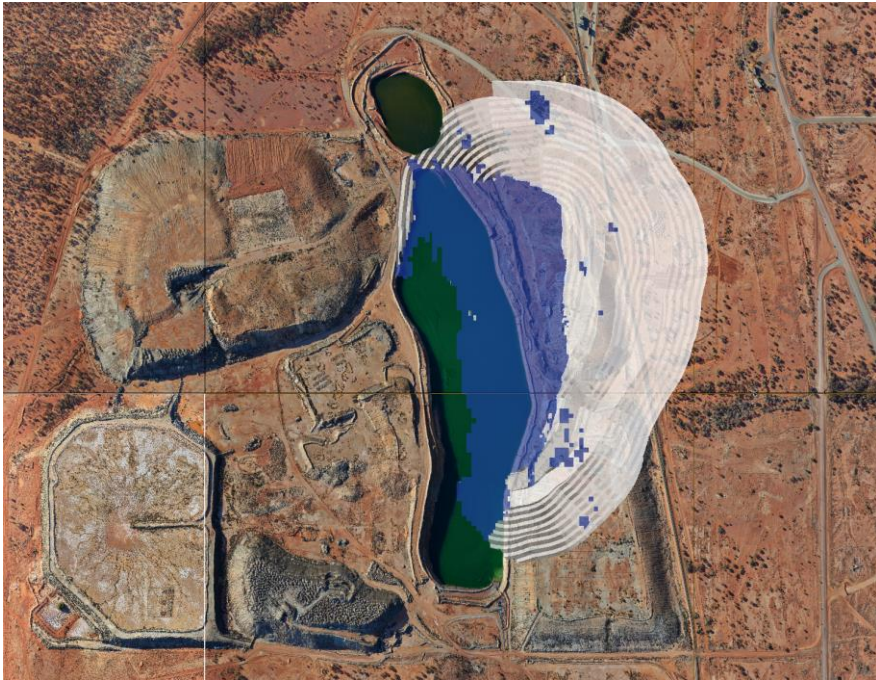
Lower than expected production at Leonora

- Sustained shortage of skilled maintenance staff impacted equipment utilisation
- Mined and milled grade broadly in line with expectations
- Lower production negatively impacted AISC on a per ounce basis



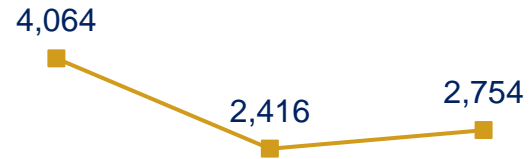
Inaugural Tower Hill Open Pit Ore Reserve adds 560koz

- Tower Hill Open Pit Ore Reserve
 - 9.7mt @ 1.8g/t Au
- Tower Hill is ~2km from the Leonora Processing Plant

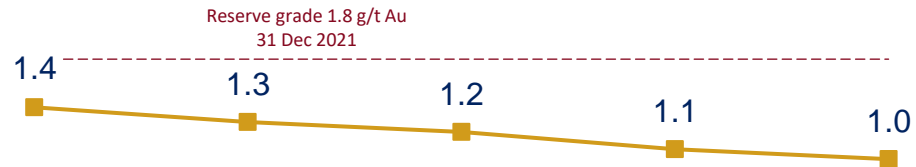


Simberi Q1 FY23 results

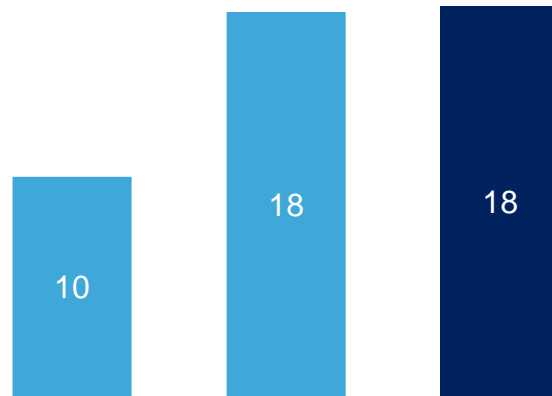
AISC
(A\$/oz)



MINED GRADE
(g/t AU)



PRODUCTION
(koz)



FY22 Q1 Sep FY22 Q2 Dec FY22 Q3 Mar FY22 Q4 Jun FY23 Q1 Sep

Operational performance in line with prior quarter

- Consistent production returning to Simberi
- Additional oxide ore increased recoveries which offset anticipated grade decline

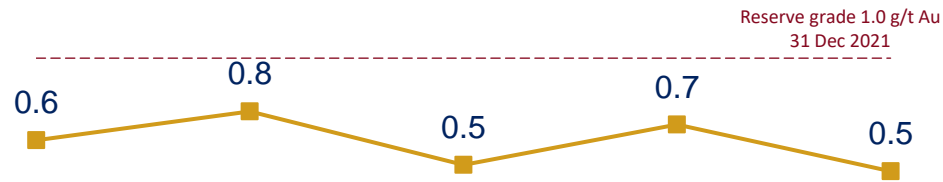


Atlantic Q1 FY23 results

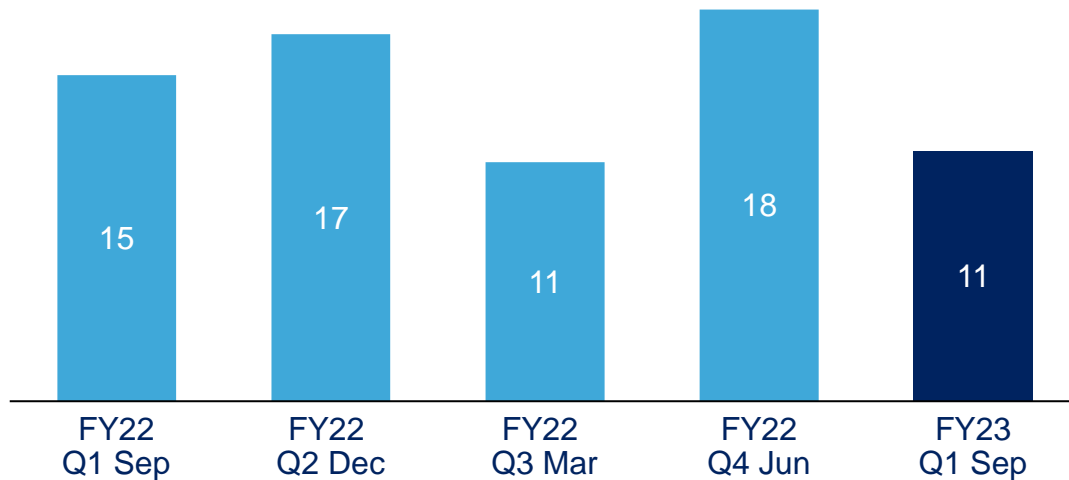
AISC
(A\$/oz)



MINED GRADE
(g/t AU)



PRODUCTION
(koz)



Atlantic remains on target despite Post-Tropical Storm Fiona

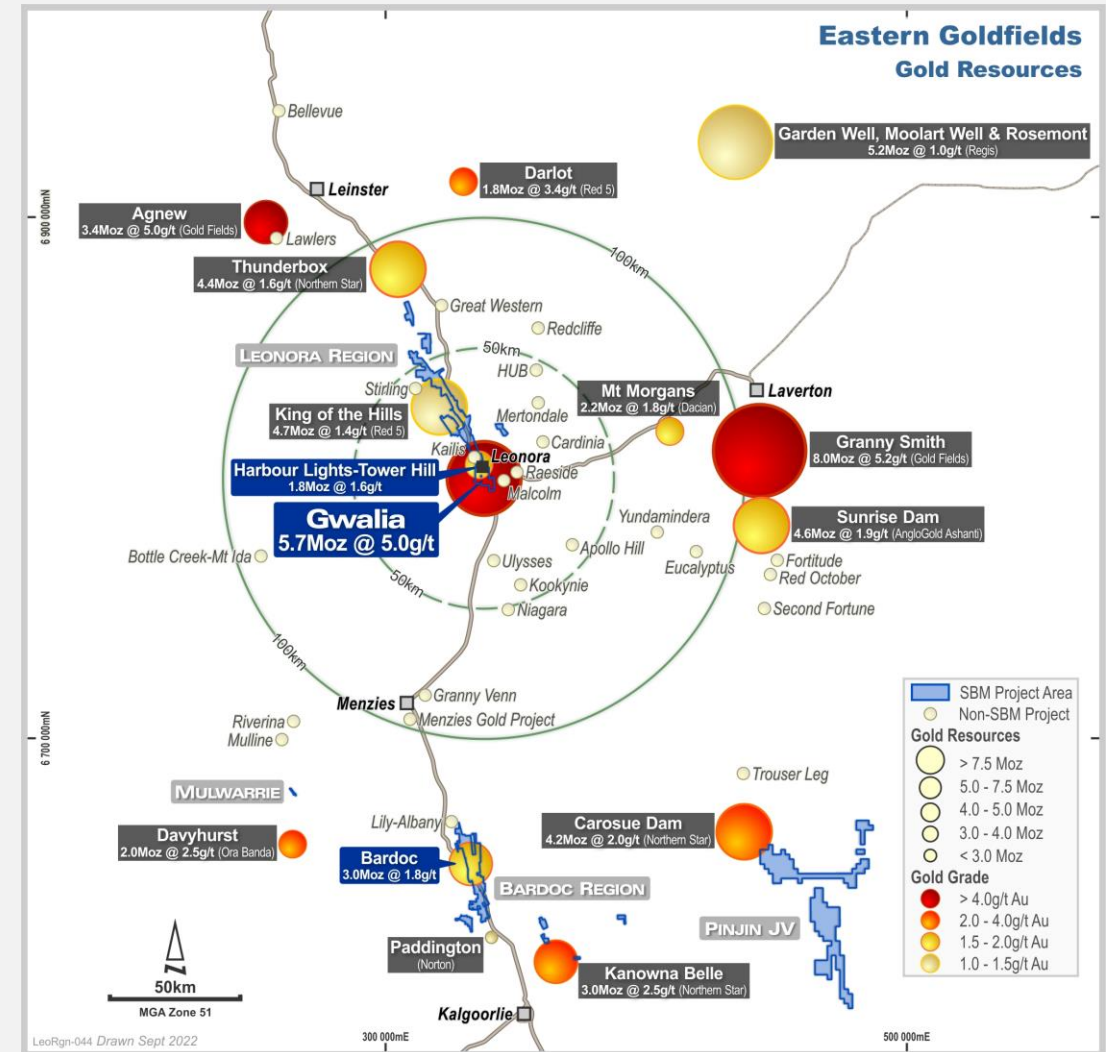
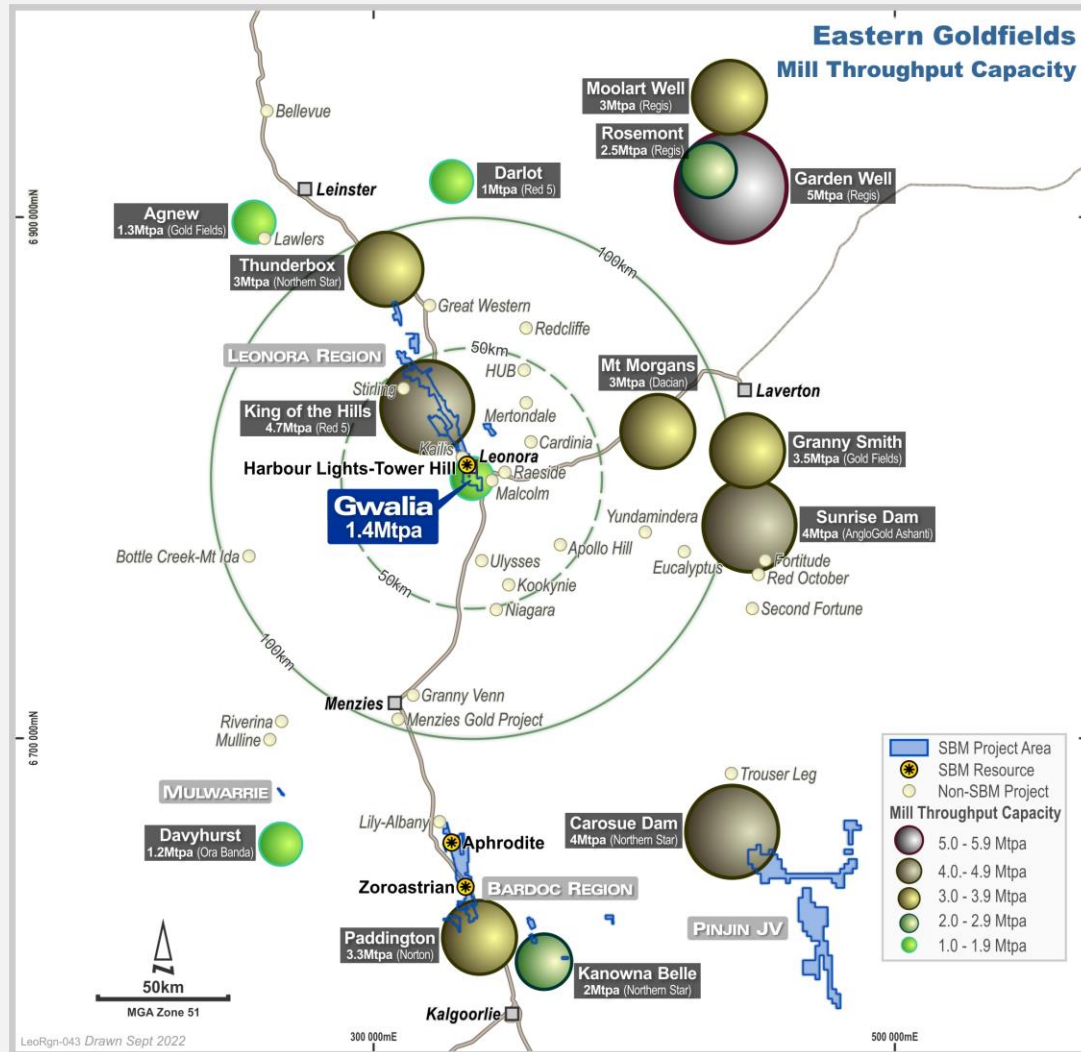
- Lower production driven by mining sequence
- Post-Tropical Storm Fiona impacted production to a lesser extent
 - Seven days of power outages over the quarter
 - Touquoy wall failure will require stockpile supplementary feed in the start of Q2
 - Power has since been restored and remediation of the wall failure has commenced



Leonora is central to regional consolidation



Gwalia is the key to regional consolidation

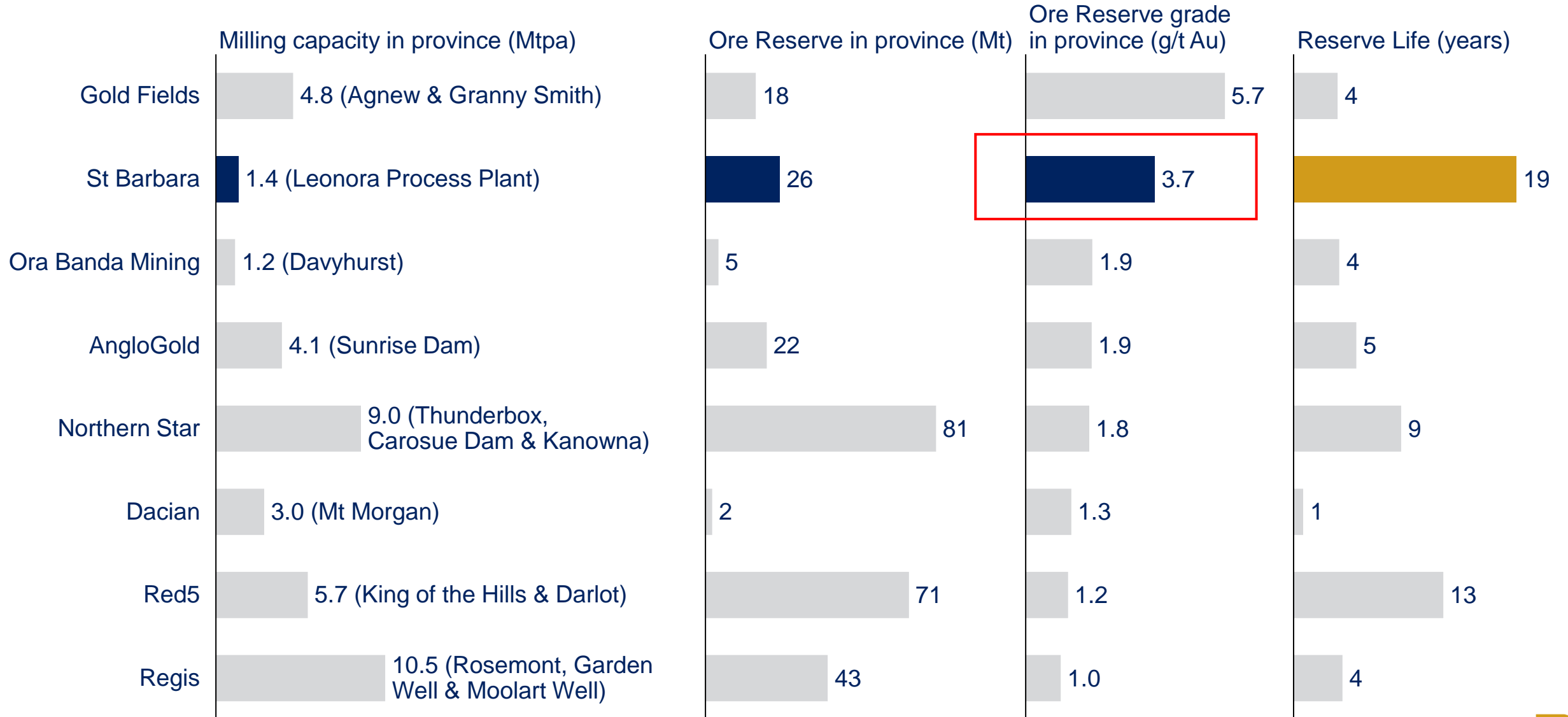


Gold Mineral Resources retrieved from the latest company filings (on 7 September 2022). Considers operating mills only

St Barbara has 10.5Moz of gold Mineral Resources and 87 years of Resource Life in the Leonora region



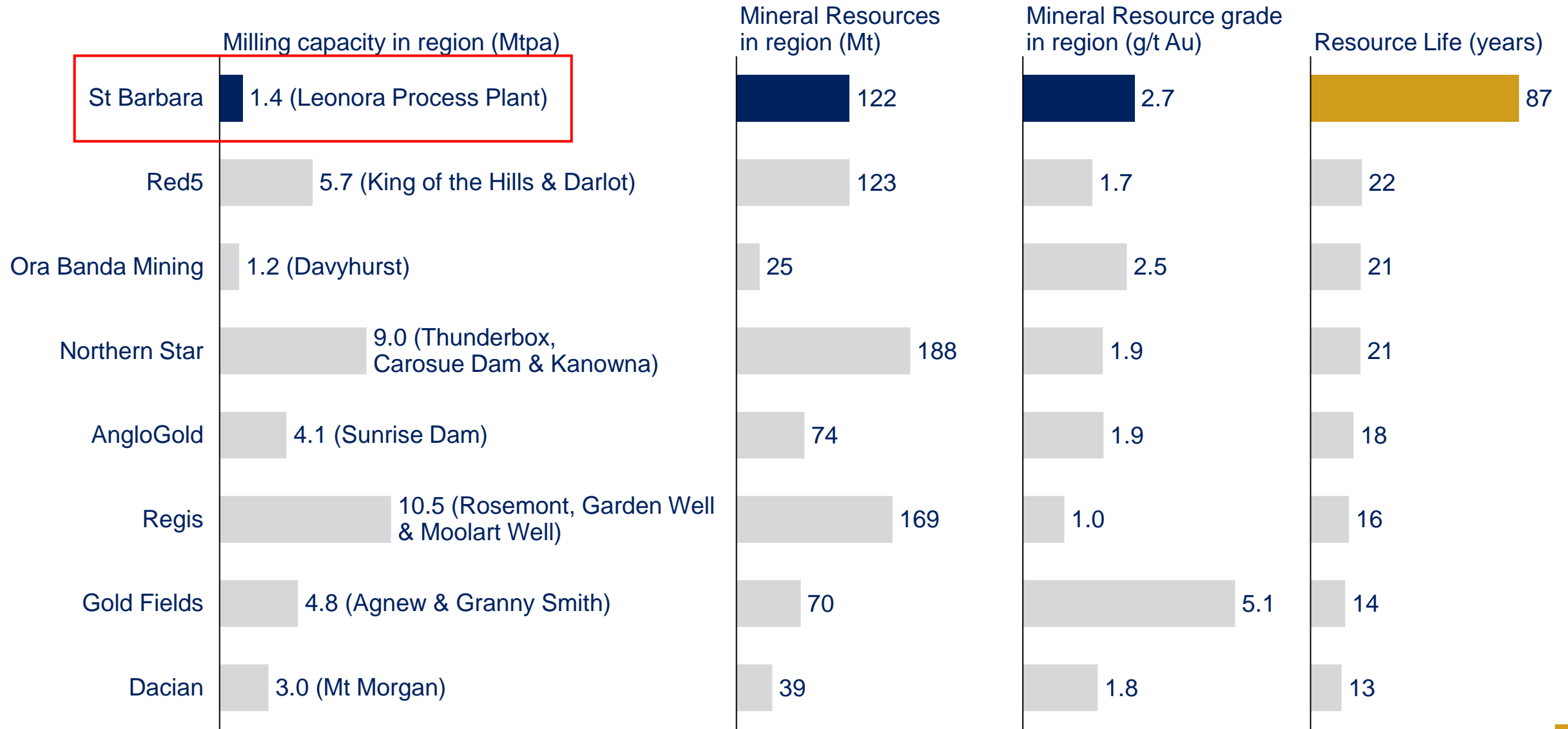
St Barbara - only mid tier with high grade Ore Reserves



Gold Ore Reserves retrieved from the latest company filings (on 7 September 2022, except St Barbara which is updated to 18 October 2022)
Reserve life calculated by dividing Ore Reserves in province by milling capacity



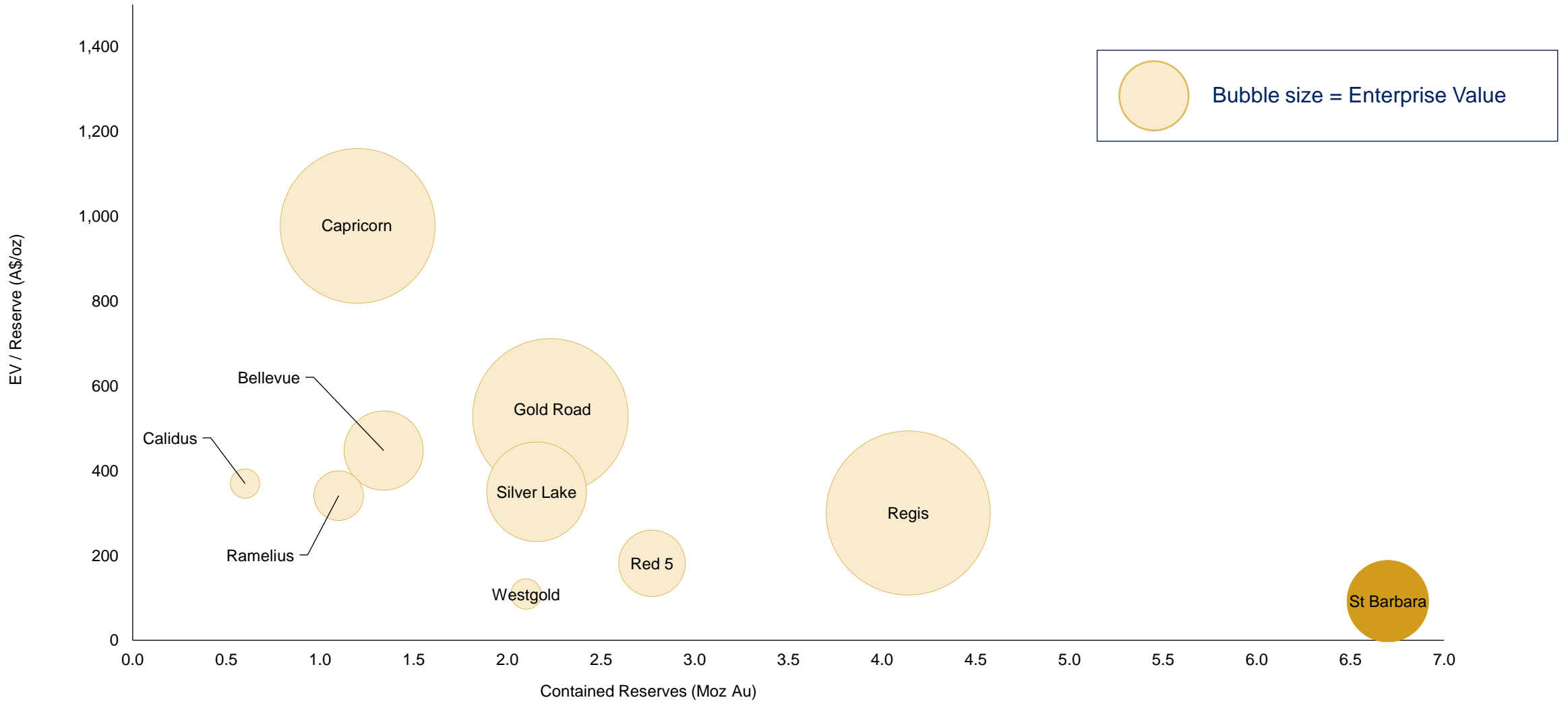
Leonora mill too small to process extensive Mineral Resource base



Gold Mineral Resources retrieved from the latest company filings (on 7 September 2022)
 Resource life calculated by dividing Mineral Resources in region by milling capacity
 Considers operating mills only



St Barbara - lowest cost entry into consolidation



Enterprise value calculated using share prices as at 17 October 2022 adjusted for cash and debt as at 30 June 2022, adjusted for corporate activity
Attributable Gold Ore Reserves retrieved from the latest company filings



Leonora is key to regional consolidation

✓ St Barbara is central in the province

✓ Leonora has the high grade which can travel

✓ A larger mill delivers value for leading resource base

✓ Lowest cost entry into consolidation





St Barbara

Supplementary slides



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.

Full details of recent exploration results is in ASX release 'Quarterly Report Q1 September FY23' released to the Australian Securities Exchange (ASX) on 18 October 2022 which is available to view on www.stbarbara.com.au.

Mineral Resources and Ore Reserves reporting

The information in this presentation that relates to Ore Reserves for Tower Hill is extracted from the report titled 'Quarterly Report Q1 September FY23' released to the Australian Securities Exchange (ASX) on 18 October 2022 and available to view at stbarbara.com.au and for which Competent Persons' consents were obtained.

The information in this presentation that relates to Mineral Resources for Old South Gwalia is extracted from the report titled 'Quarterly Report Q4 June FY22' released to the Australian Securities Exchange (ASX) on 27 July 2022 and available to view at stbarbara.com.au and for which Competent Persons' consents were obtained.

The information in this presentation that relates to all other Mineral Resources or Ore Reserves is extracted from the report titled 'Quarterly Report Q3 March FY22' released to the Australian Securities Exchange (ASX) on 28 April 2022 (Original Report) and available to view at stbarbara.com.au and for which Competent Persons' consents were obtained. Each Competent Person's consent remains 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.

St Barbara confirms that it is not aware of any new information or data that materially affects the information included in the announcements referred to above (Original Announcements) and that all material assumptions and technical parameters underpinning the Mineral Resources and Ore Reserves estimates in the Original Announcements continue to apply and have not materially changed. St Barbara confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the Original Announcements.



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
EBIT	Earnings before interest revenue, finance costs and income tax expense
EBITDA	EBIT before depreciation and amortisation
EBITDA margin	$EBITDA \div Revenue$
Underlying EBITDA / NPAT	EBITDA or NPAT after excluding identified significant items. Refer Financial Report for year ended 30 June 2022 (p3) for details.
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



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Scheduled ASX Announcements

26 October 2022 Annual General Meeting





St Barbara