

Exploring for Gold & Antimony in the historical gold fields of New Zealand

**Sydney Investor
Presentation
May 2024**

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COMPETENT PERSONS STATEMENT

The information contained in this report relating to exploration results, exploration targets and mineral resources has been previously reported by the Company; More Outstanding Gold Intersected At Auld Creek – 7 May 2024; Drilling Commences at Sams Creek Anvil Target – 23 April 2024; Significant New Drill Target at Sams Creek 22 Jan 24; Bonanza Gold and Antimony Grades Confirmed at Langdons 17 Jan 24; Siren intersects significant mineralization at Bonanza East – 14 November 2023; Siren increases resource to 1.3Moz AuEq – 21 August 2023; Drilling at Auld Creek continues to intersect a broad mineralised zone – 19 Jul 2023; High-grade visible gold in quartz reef at Big River South – 12 July 2023; Ionic Leach trial successfully detects mineralisation 500m below surface at Sams Creek – 22 June 2023; Second hole at Auld Creek Intersects Broad Mineralised Zone – 8 Jun 2023; Trenching results extend mineralisation trend at Lyell to 1km – 1 June 2023; Siren's Global Resource increases to 1.2Moz – 11 May 2023; First hole at Auld Creek intersected 20.8m @ 12.0g/t AuEq – 8 May 2023; Big River Maiden Mineral Resource increases Siren to 1.1Moz – 20 April 2023; Broad mineralisation evident from Siren's first drillhole at Auld Creek – 12 April 2023; First drillhole at Auld Creek-More High-grade results at Auld Creek – 11 April 2023; High-grade Gold at United Victory Reef – Lyell – 7 March 2023; Drilling to Commence at Auld Creek – 6 March 2023; Global Resource Reaches Key 1 Moz Milestone – 30 January 2023; More high-grade Gold and Stibnite intersected at Auld Creek – 24 January 2023; Metallurgical Results an Process Plant Scoping Study Update – 20 January 2023; Granting of the Cumberland EP – 21 December 22; New high-grade Gold and Stibnite intersected at Auld Creek – 3 November 2022; Sams Creek Mineral Resource Estimate exceeds 800,000oz at higher grade – 17 November 22; New high-grade Gold and Stibnite intersected at Auld Creek – 3 November 2022; Alexander River and Big River progress – 28 October 2022; High-grade Gold intersected on 4km Soil Anomaly at Lyell – 14 October 22; Exceptional high-grade Gold & Stibnite at Auld Creek – 4 October 22; Alexander River Maiden Mineral Resource Estimate – 20 July 22; Siren Expands Exploration Strategy – 20 July 22; Big River A2 Shoot extended to 200m – 11 July 22; Another High-grade intersection at Alexander River – 6 July 22; Exciting potential at Siren's Auld Creek Project – 9 Jun 22; Siren Gold Acquires Sams Creek Gold Project – 3 Jun 22; Siren Gold Pegs High Grade Langdons Reef at Reefton – 10 May 22; New 3km Gold Zone Discovered at Lyell – 4 April 22; Spectacular Siren Strike – 2.5m @ 358g/t Au – 31 Mar 22; Compelling Comparisons on Reefton and Fosterville Deposits – 25 March 22; Siren Continues to Intercept high Grade Mineralisation – 17 March 22; New 3km mineralised zone discovered at St George – 16 Feb 22; New mineralised shoot intersected at Alexander River – 16 Dec 21; Scoping Study for Process Plant at Reefton – 28 Oct 21; Siren Significantly Extends Mineralisation at Big River – 19 April 21 (Announcements). The Company confirms that it is not aware of any new information or data that would materially affect the information included in the Announcements and, in the case of estimates of mineral resources, released on 20 July 2022 and 5 October 2022, that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.



Corporate Overview

Share Price Performance (ASX:SNG)



Experienced Board



Brian Rodan
Non-Executive Chair



Victor Rajasooriar
Managing Director
and CEO



Paul Angus
Executive Technical
Director



Keith Murray
Non-Executive
Director

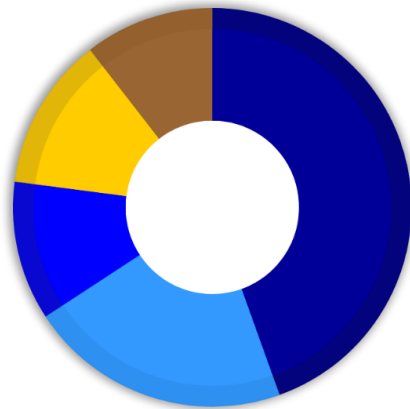
Capital Structure

Current*

Shares on Issue	201.1m
Options / Performance Rights	30.0m
Share Price	\$0.065
Market Capitalisation	\$13.0m
Cash (31 March 2024)	\$2.3m
Enterprise Value	\$10.7m

**As at 6 May 2024*

Major Shareholders



- BBR Group + Directors 15.0%
- Perennial 5.14%
- GSI EDA 2.73%
- Lynden Investments 3.01%
- HGL Investments 2.54%

Key Highlights: Reefton and Sams Creek

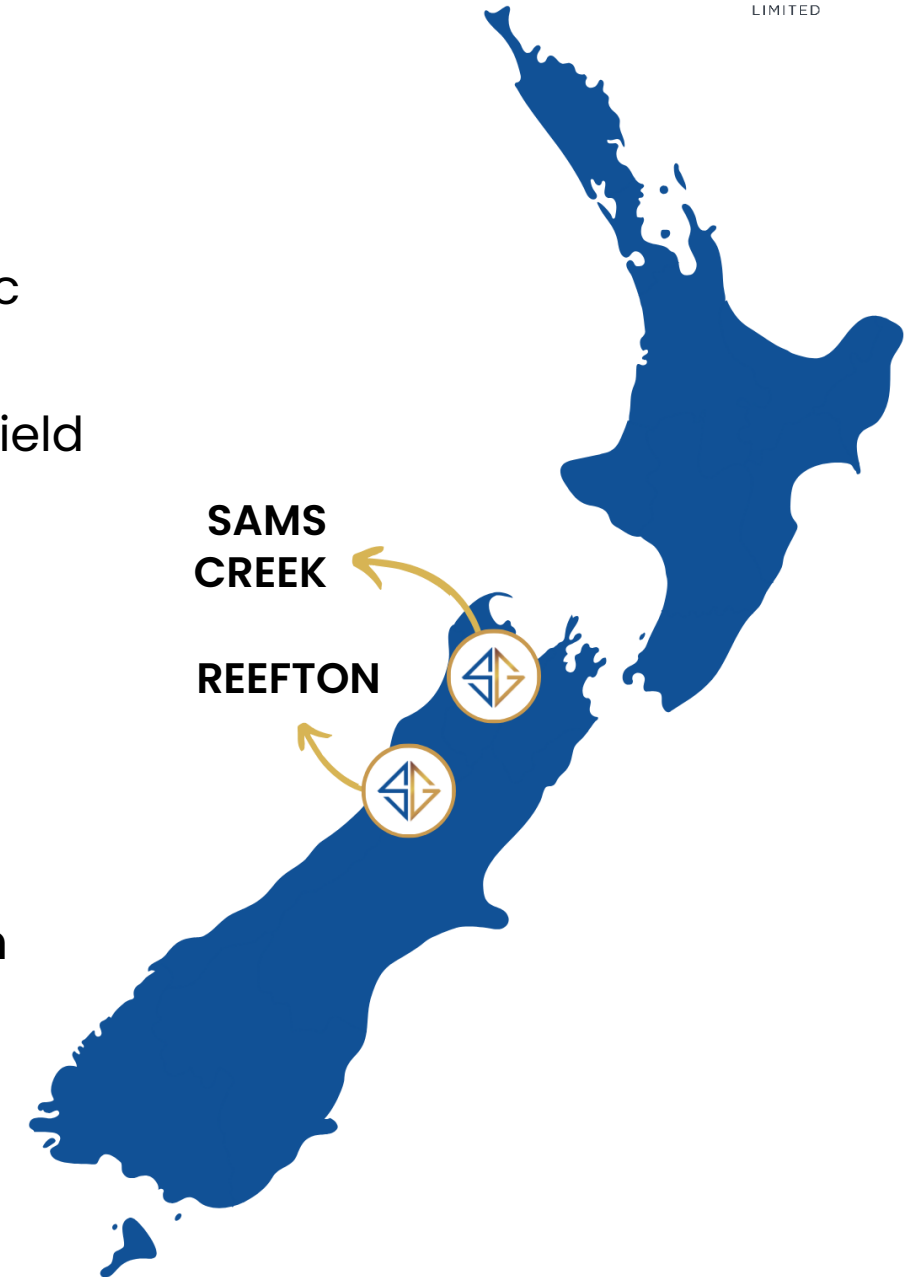
Reefton Goldfield

- Reefton is a **large historic NZ goldfield** with previous gold production totalling **11Moz** from alluvial, open cut and 85 historic underground mines.
- Dominant **~825km²** tenement package across the Reefton Goldfield
- Siren's current MRE of **444koz @ 3.8g/t Au with 8.7kt @ 1.5% Sb**

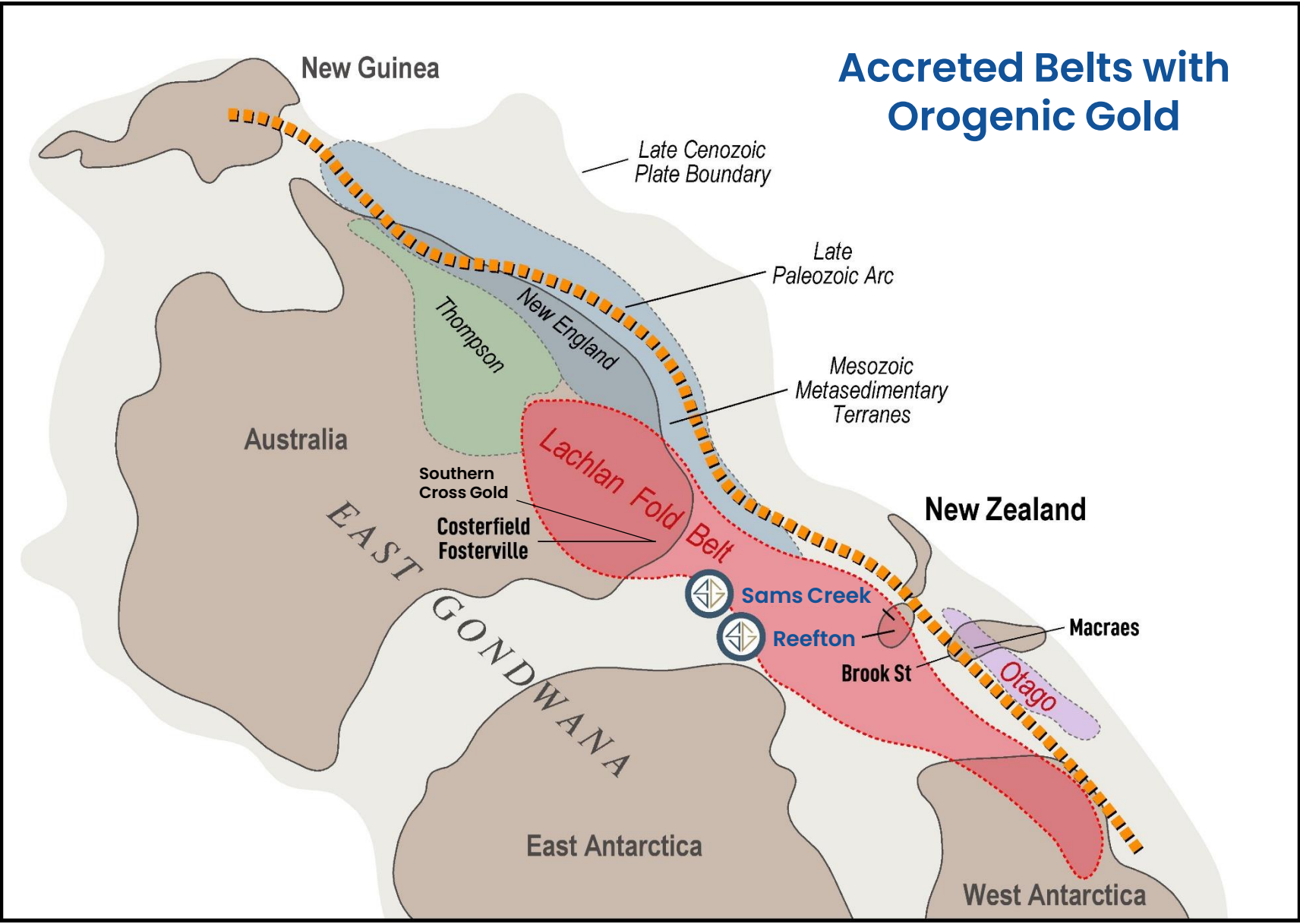
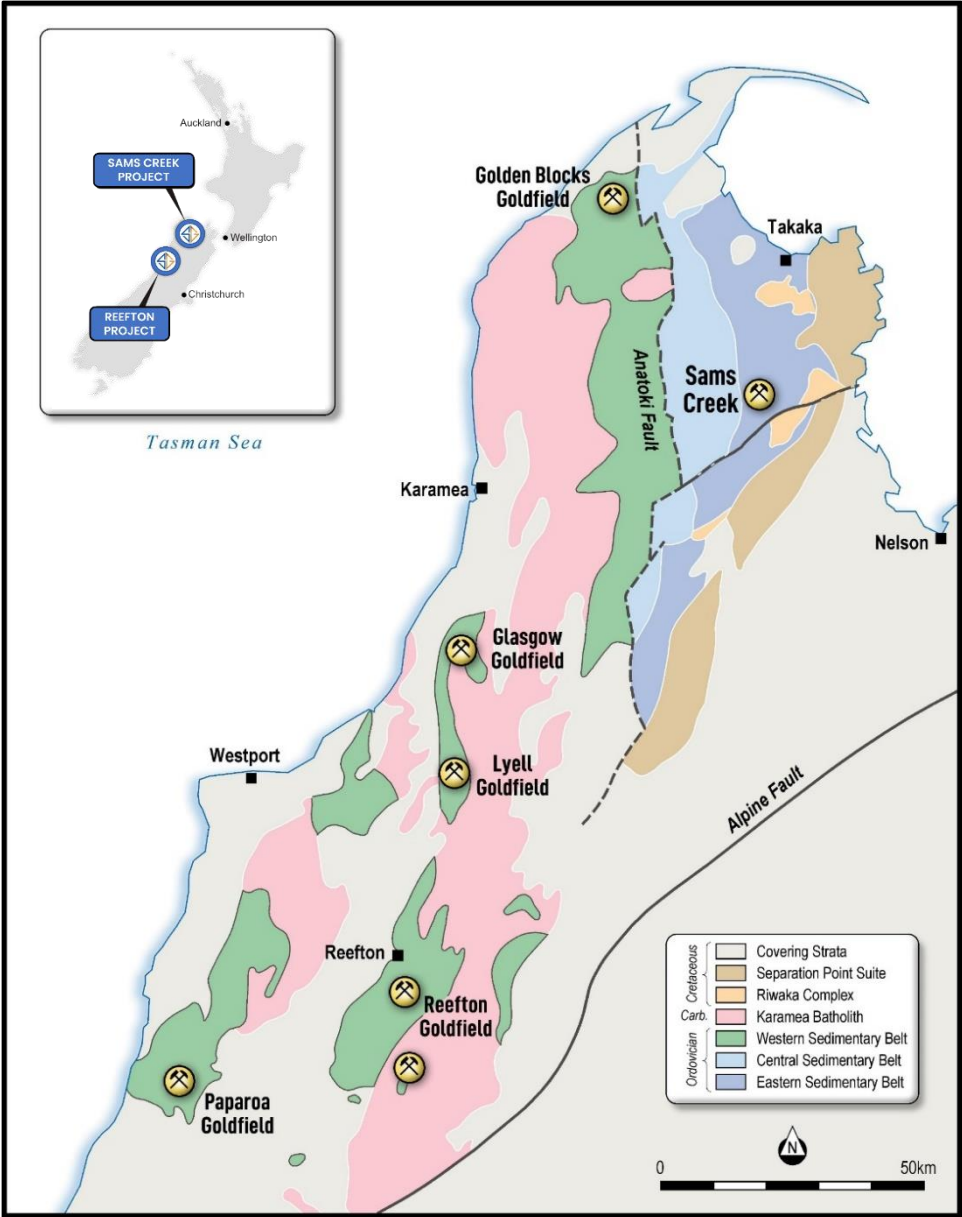
Sams Creek

- Joint Venture between **Siren (81.9%)** and **New Zealand's largest gold miner, OceanaGold (TSX:OGC)** holding (18.1%)
- Sams Creek very large porphyry dyke system –**7kms long & 50m wide, open at depth, outstanding exploration potential**
- Sams Creek MRE of **824koz @ 2.8g/t Au**

Total Global Resource 1.3Moz @ 3.1g/t Au with 8.7kt @ 1.5% Sb

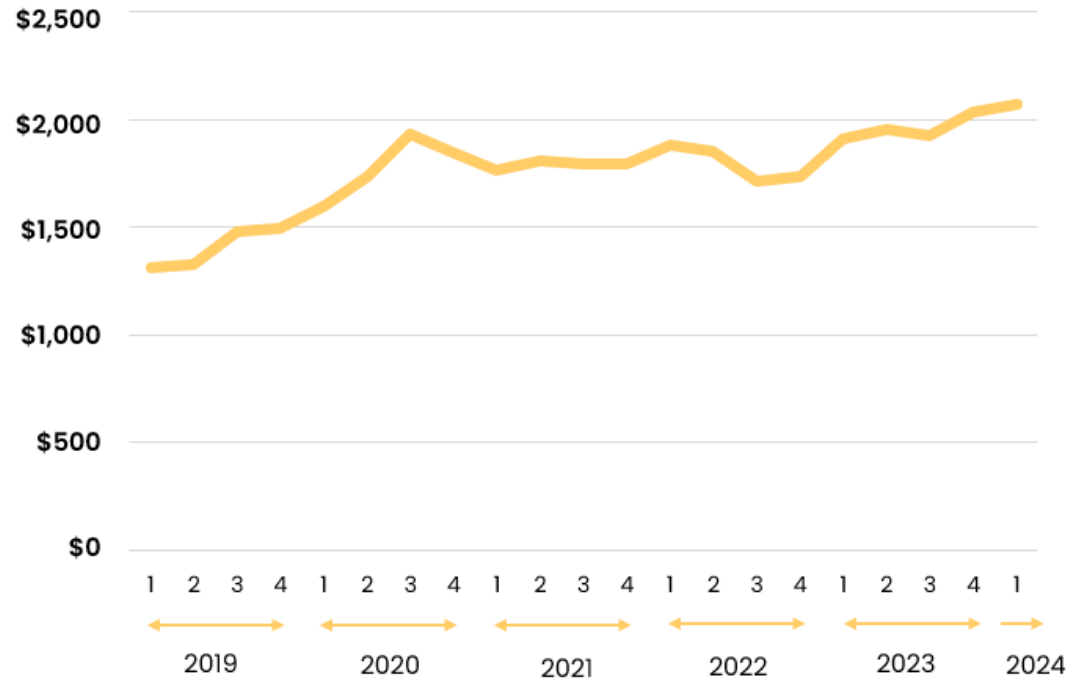


Reefton & Sams Creek: Originally Part of the Lachlan Fold Belt



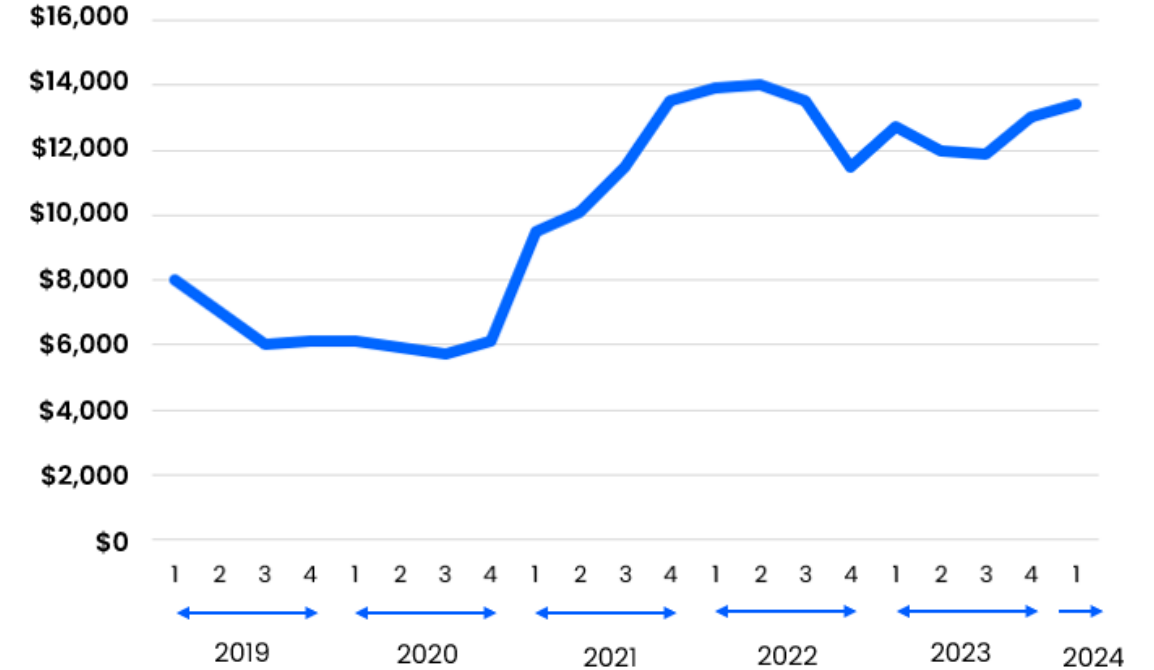
Commodities: Gold & Antimony price chart

Average Quarterly Gold Price (USD\$/Ounce)



- **4-year average price over USD~\$1,800** per ounce
- Has been hitting **daily highs** in recent times
- Currently at USD **\$2,312** per ounce (6/5/24)
- Growth expected to continue due to **geopolitical uncertainties** / **interest rates** / **inflation** / form of **currency**

Average Quarterly Antimony Price (USD\$/Tonne)



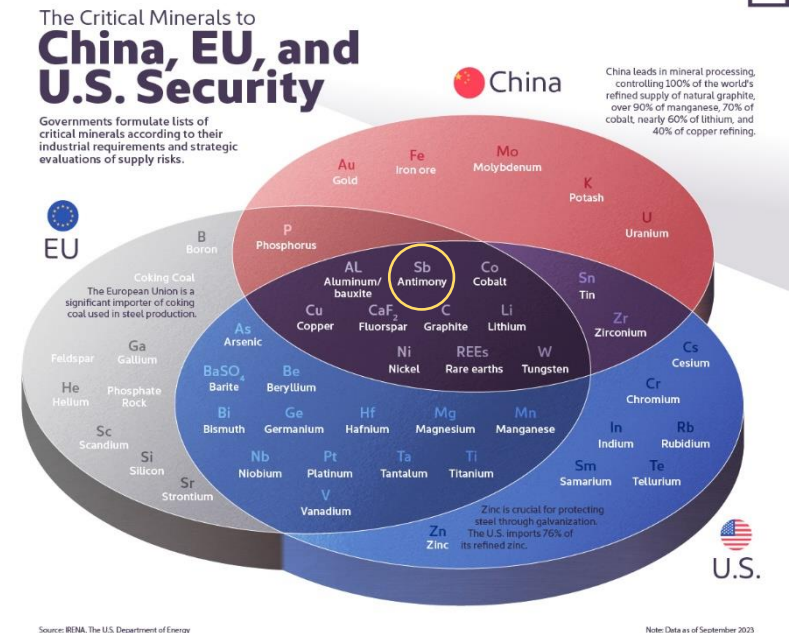
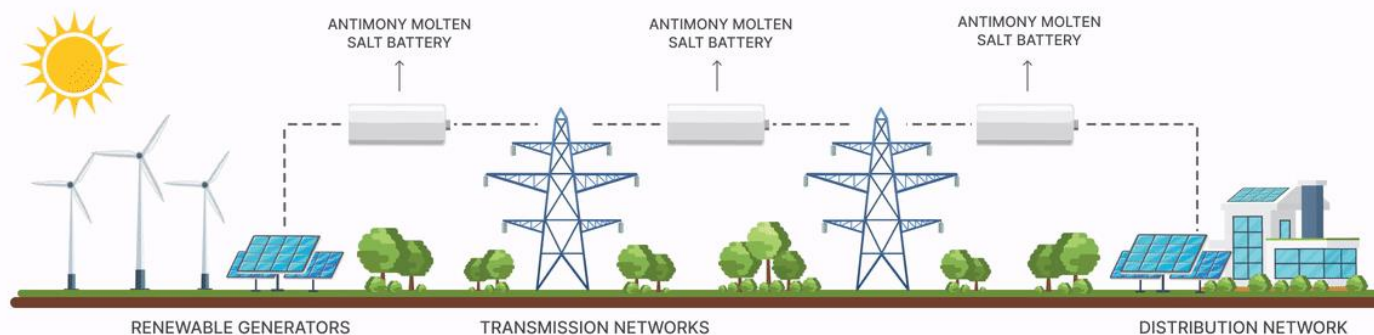
- **4-year average price over USD~\$12,000** per tonne
- Currently at USD **\$15,100** per tonne (6/5/24)
- Increasing demand for **solar & wind energy**
- Increasing demand for **EV batteries**
- Increasing demand for **military use**

Reefton: Critical Mineral Potential – Antimony (Sb)

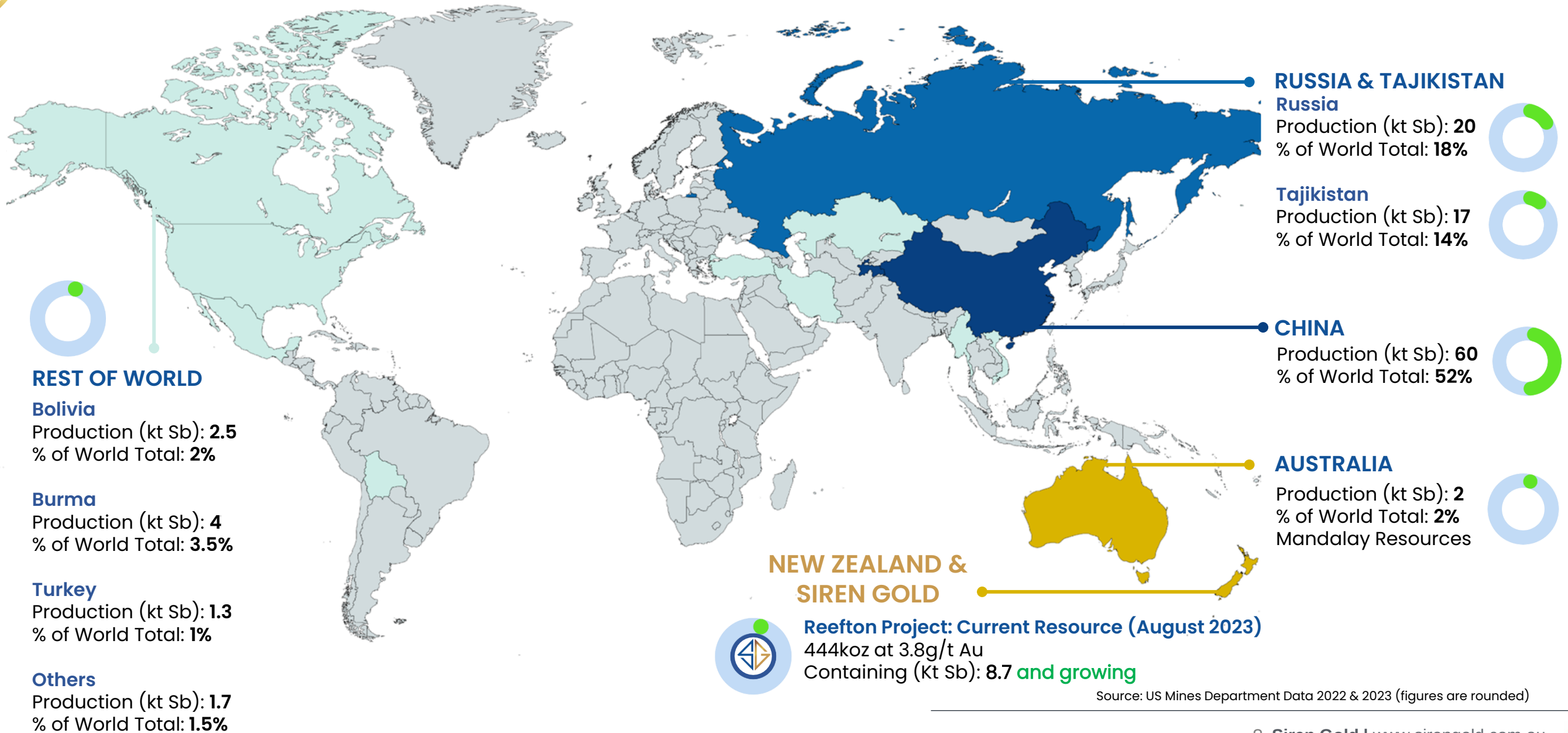
Antimony is extracted from Stibnite, and occurs in association with gold.

- Antimony is critical to the world production of solar panels, wind turbines, EV's, energy storage batteries & armaments.
- Antimony is a critical element in lithium-ion batteries and the next generation of liquid metal batteries.
- China and Russia combined produce approximately **85%** of current world production, Australia produces ~2%.
- [US Defence Dept predicting huge requirement for antimony](#)

Potential for supply shortages & price shocks in the coming years.



Siren Gold: World Antimony Production (110 kt pa) Russia + China = 85%



Shane Jones: Fast Track for Mining

Fast-Track Approvals Bill

Resources Minister Shane Jones announced the Fast-Track Approvals Bill (7 March 2024) including a “**major reset**” of regulations affecting the resources sector.

A key difference with the fast-track legislation is that an EPA panel will not be able to veto a project.

“All they will be able to do is append suitable conditions. They will not be empowered to turn a project down.”

Critical minerals

Jones is looking forward to delivering a “seminal” speech on minerals extraction.

The speech will lay out a strategy to 2040 on how to extract greater wealth from the minerals estate, elevating its importance, and laying down a programme as to how NZ can profit from and boost its resilience through a **critical minerals list**.

“This bill is to provide a **fast-track decision-making process** that facilitates the delivery of infrastructure and **development projects** with **significant regional** and national benefits.”

“There are **veins of wealth** throughout the South Island, and with this legislation, mining will be turbocharged.”

[Fast-track Approvals Bill – Shane Jones Parliament Speech](#)

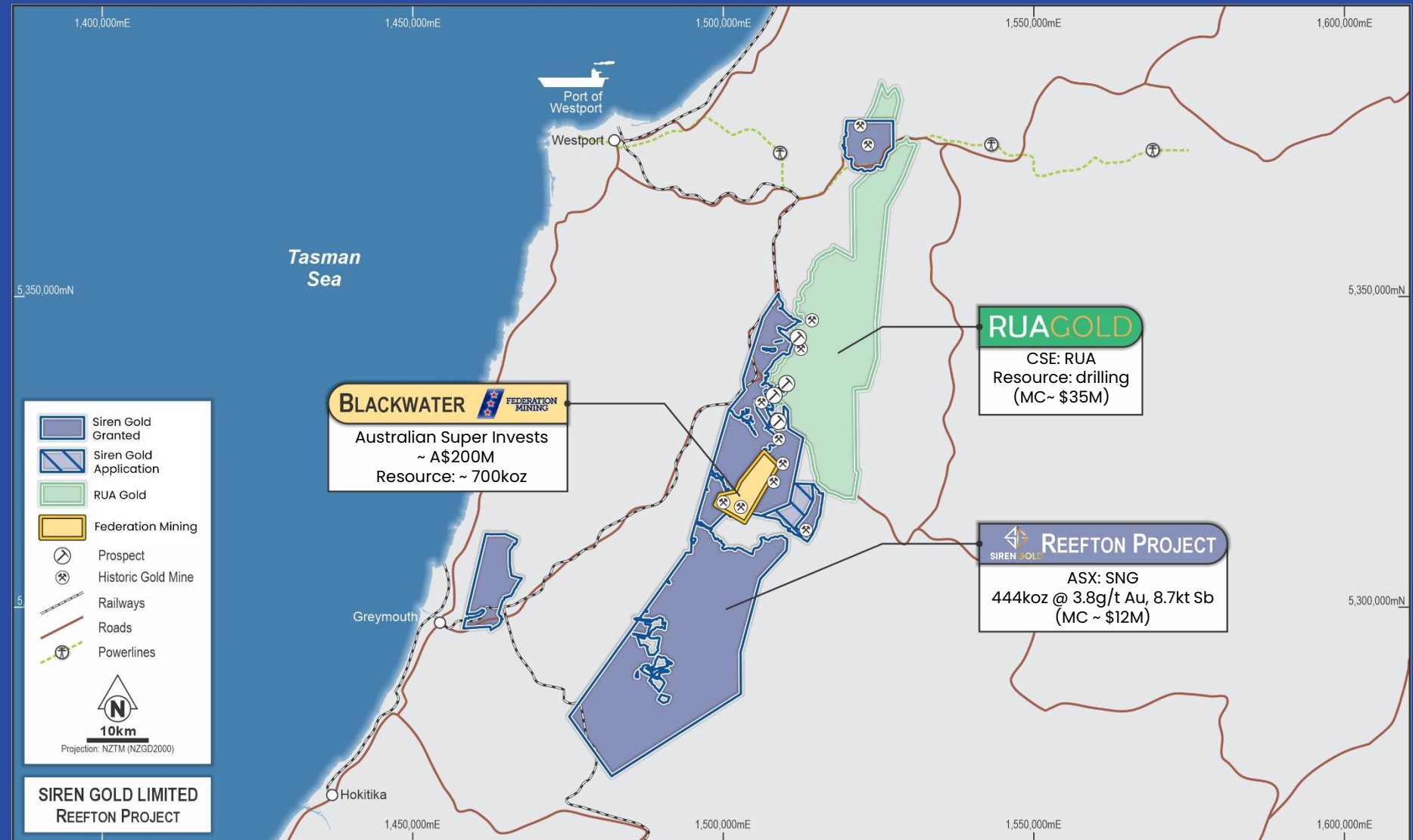
– 7 March 2024



REEFTON

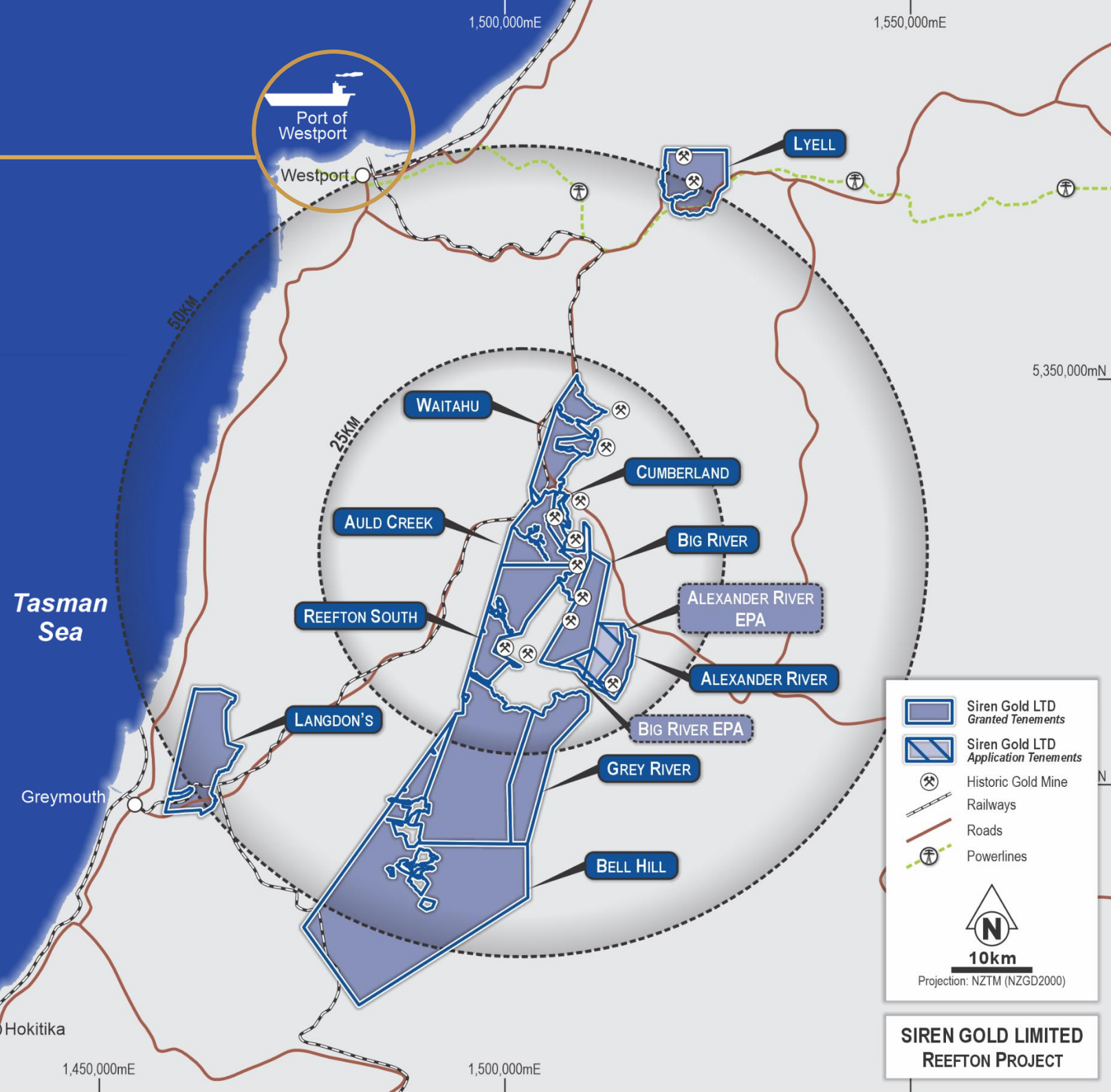


Neighbouring Gold Projects



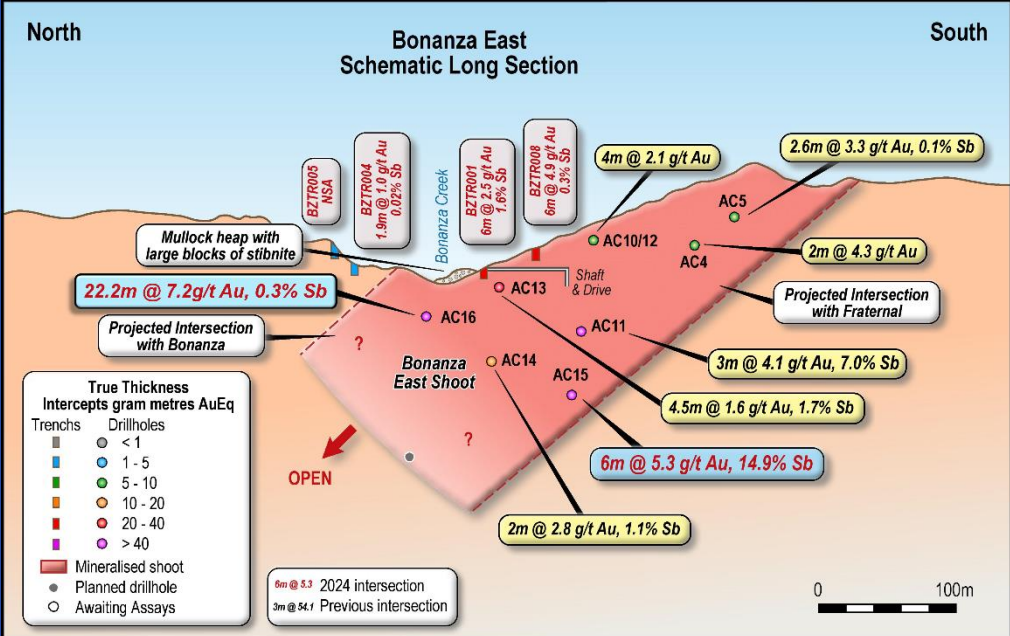
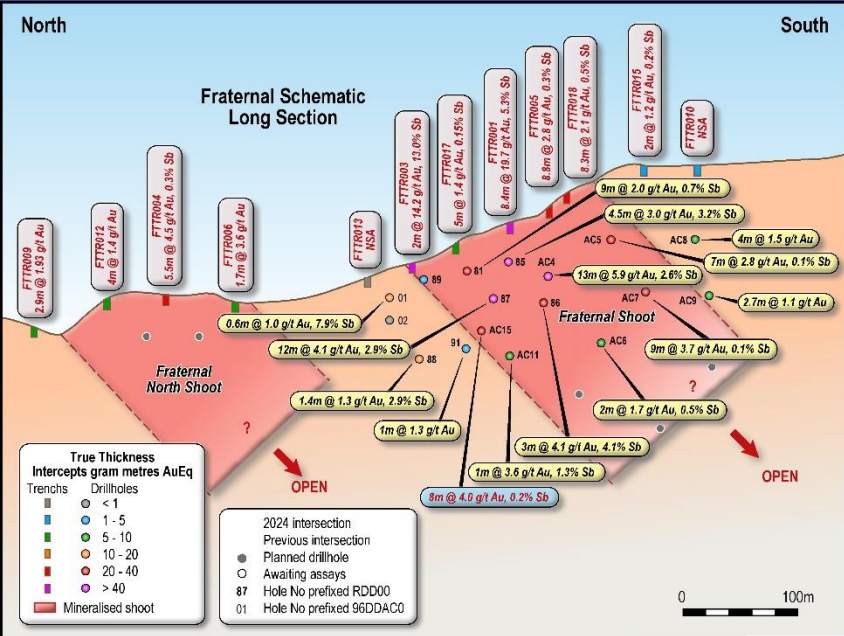
Reefton Hub: Infrastructure

- Processing hub to be centred around Auld Creek to feed various UG mines as they come online
- Tenement holdings in good standing & under DoC stewardship
- Sealed Roads in place
- Hydro power readily available
- Westport – easily accessible for concentrate shipment

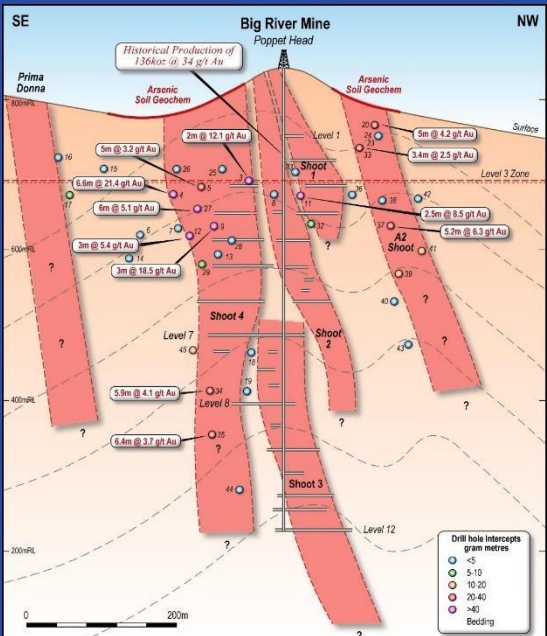


Reefton: 6 High-Grade Projects

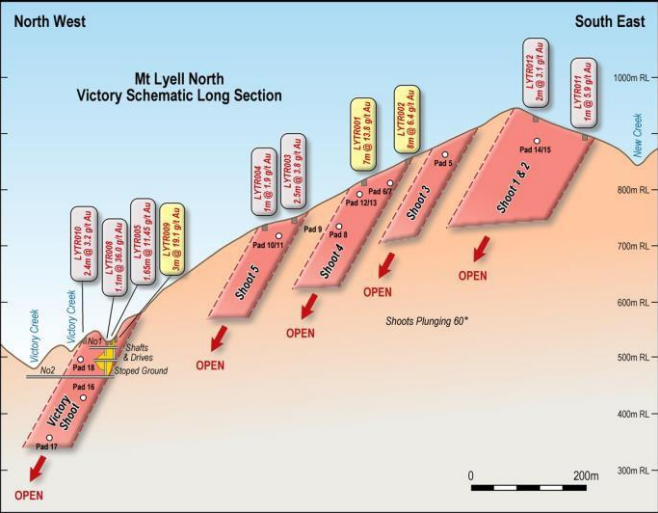
Auld Creek – 65koz @ 3.5g/t Au with 8.7kt @ 1.5% Sb (Outstanding Gold & Antimony)



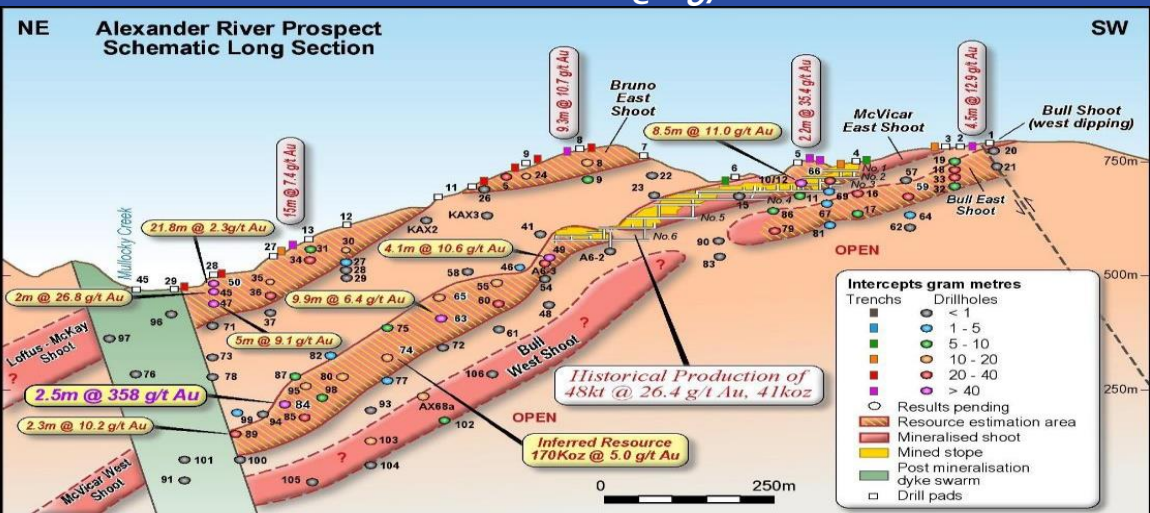
Big River – 100koz @ 4g/t Au



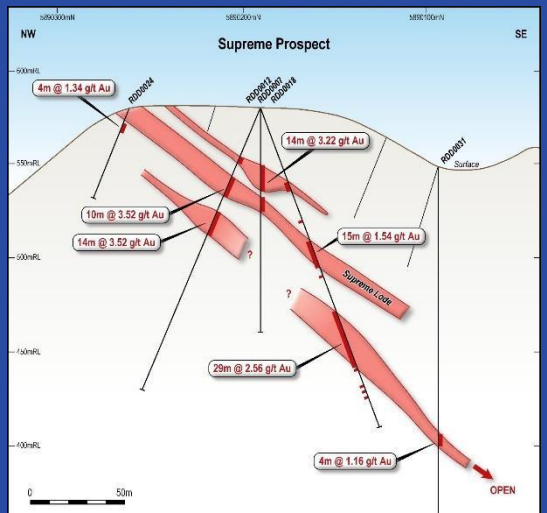
Lyell – high-grade drill targets



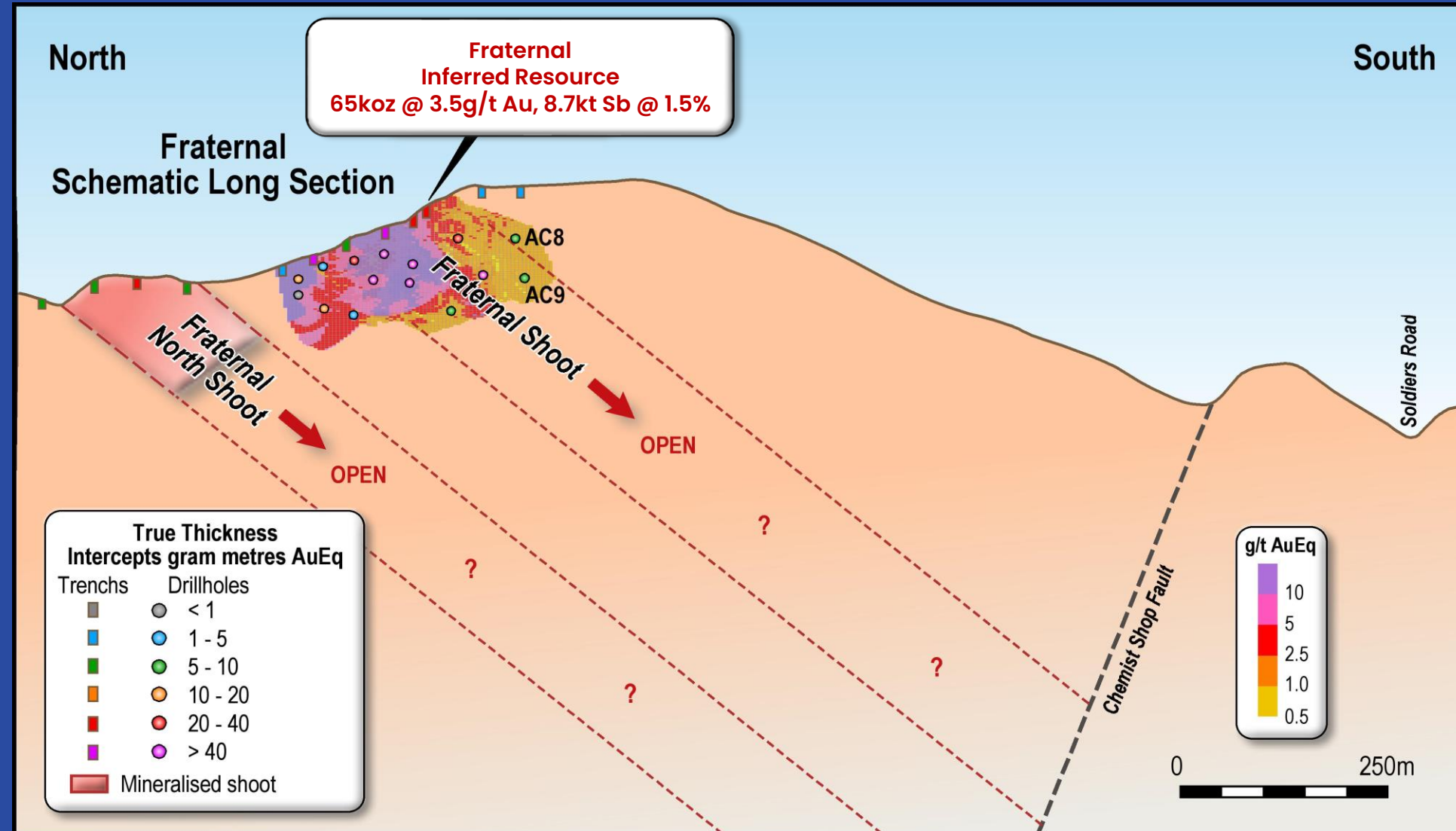
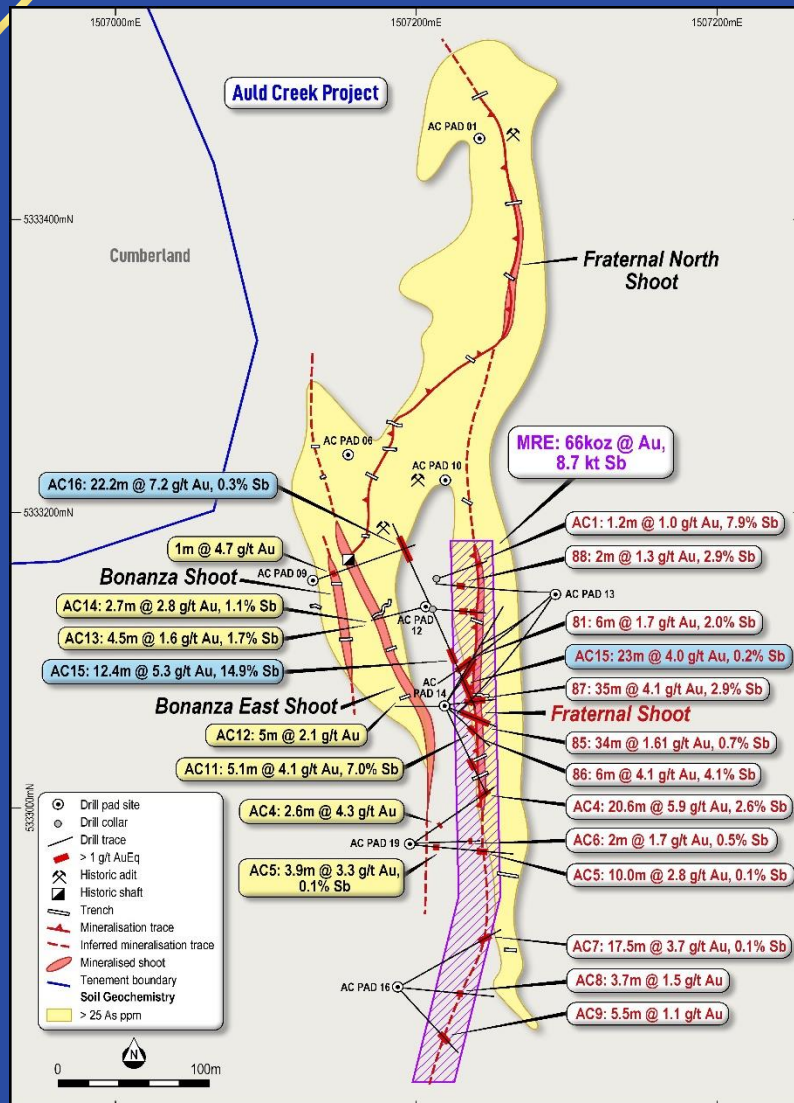
Alexander River – 170koz @ 5g/t Au



Supreme – 100koz @ 3g/t Au



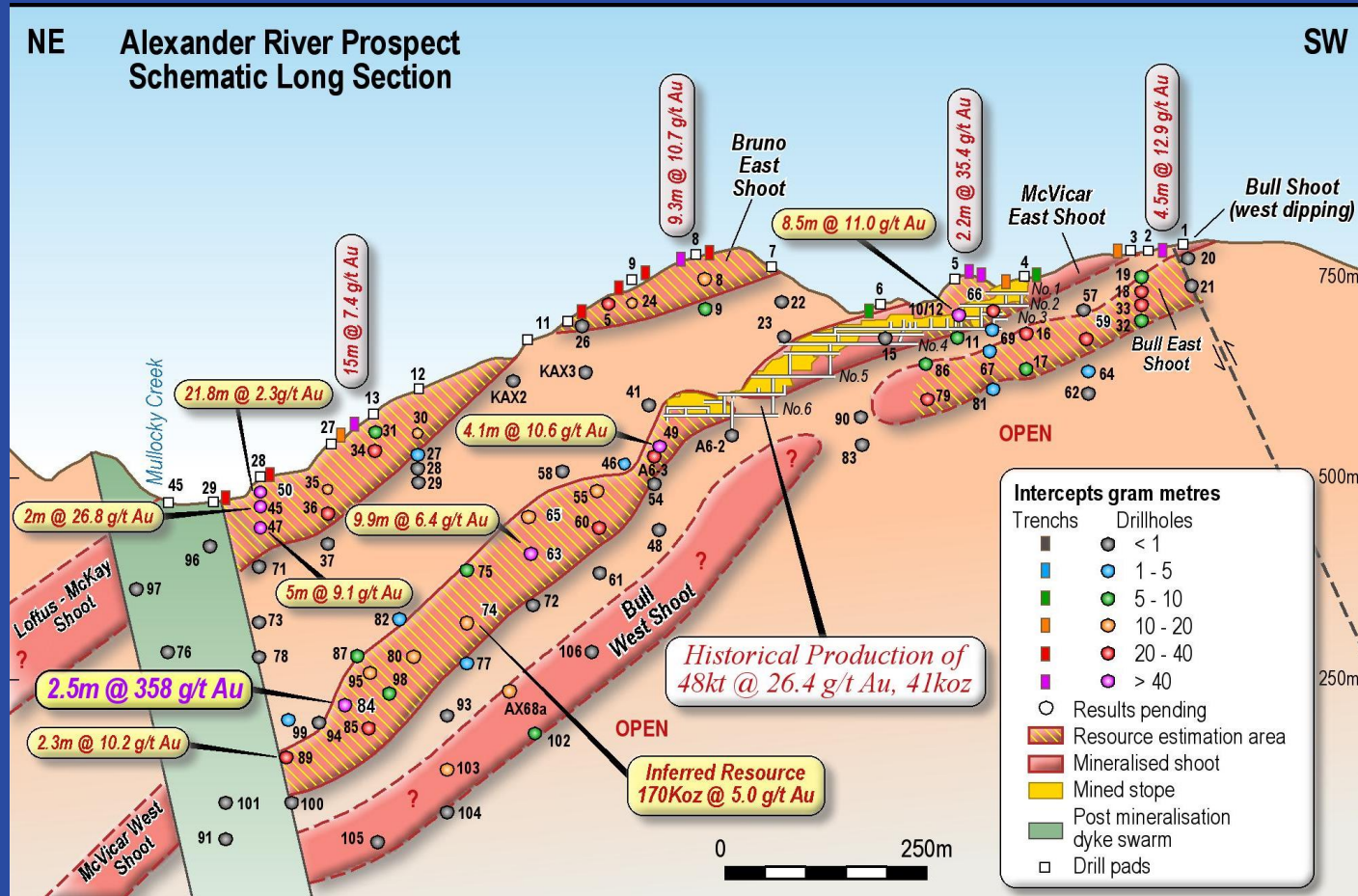
Reefton: Auld Creek Gold + Antimony – MRE 65koz @ 3.5g/t Au + 8.7kt Sb



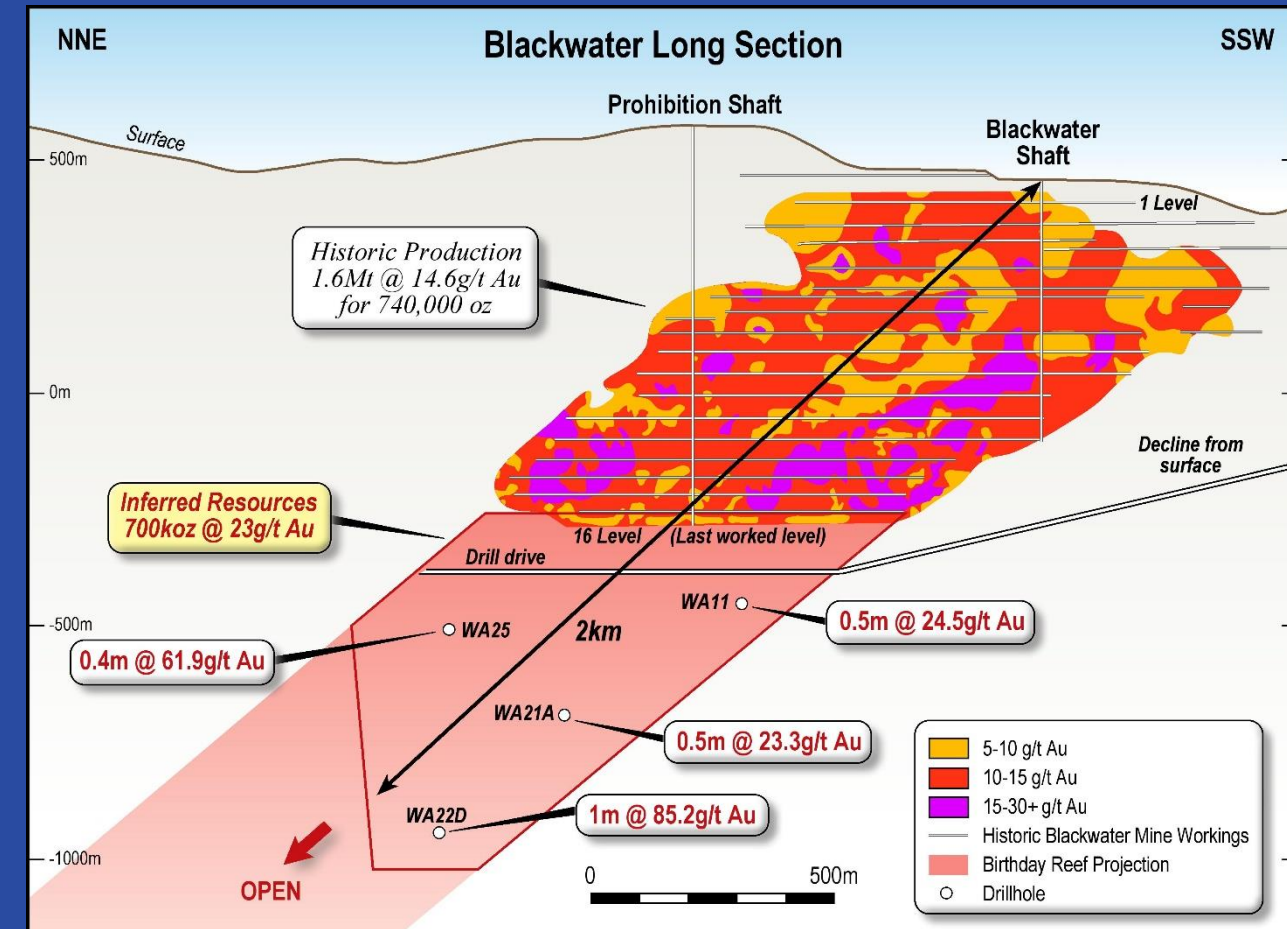
4 high-grade Au-Sb shoots with 1km down dip depth extension potential
Bonanza East 22.2m @ 7.2g/t Au and 0.3% Sb (7/5/24)

Reefton: Alexander River MRE 170koz @ 5.0g/t Au

Sirens Alexander River (~8 km from Blackwater)
Shoot extends for **+1.3kms down plunge**



Federations Snowy River Mine Development
Shoot extends for **+2.0kms down plunge**



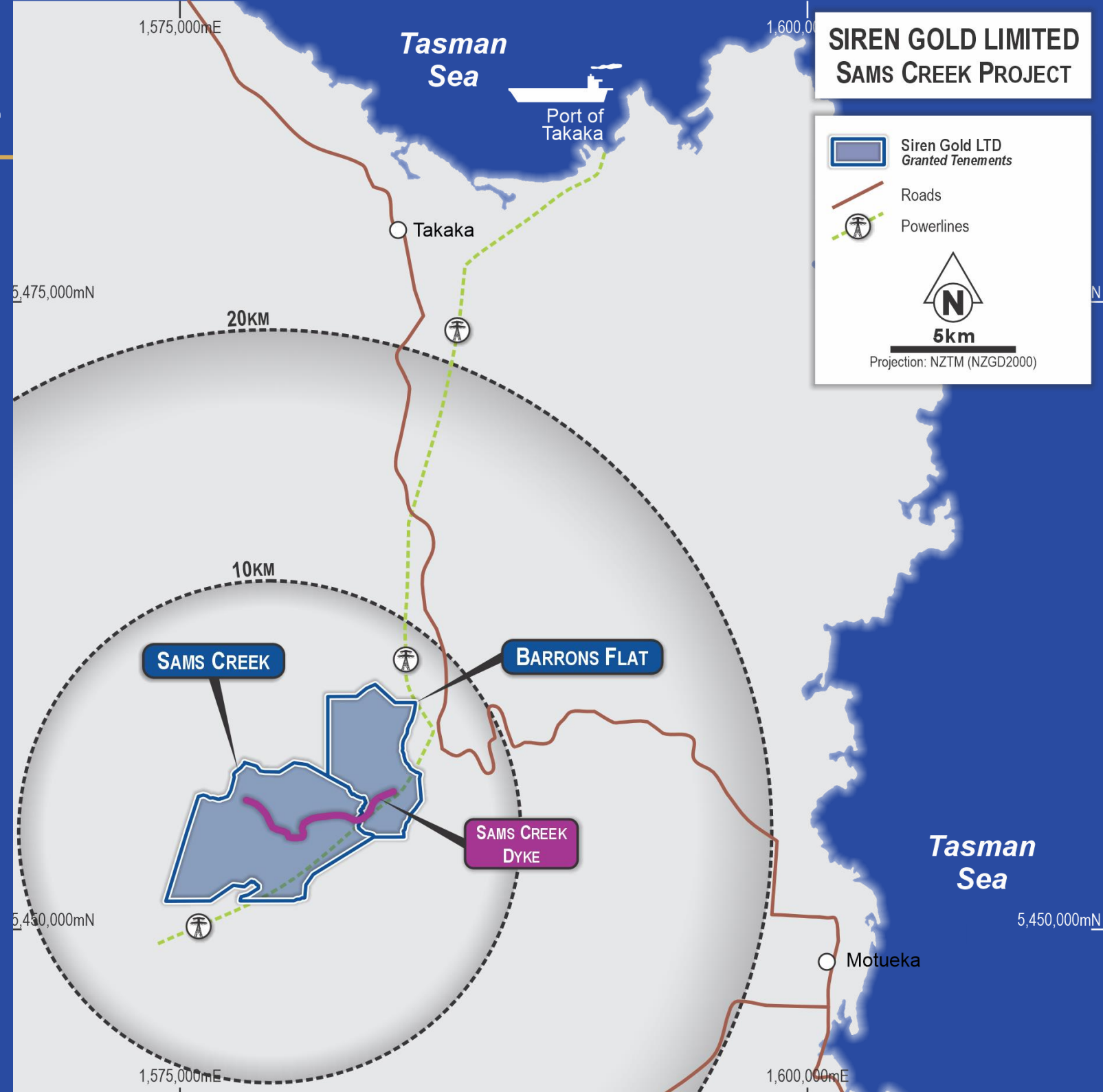
Significant high-grade gold mineralisation with proven depth extensions



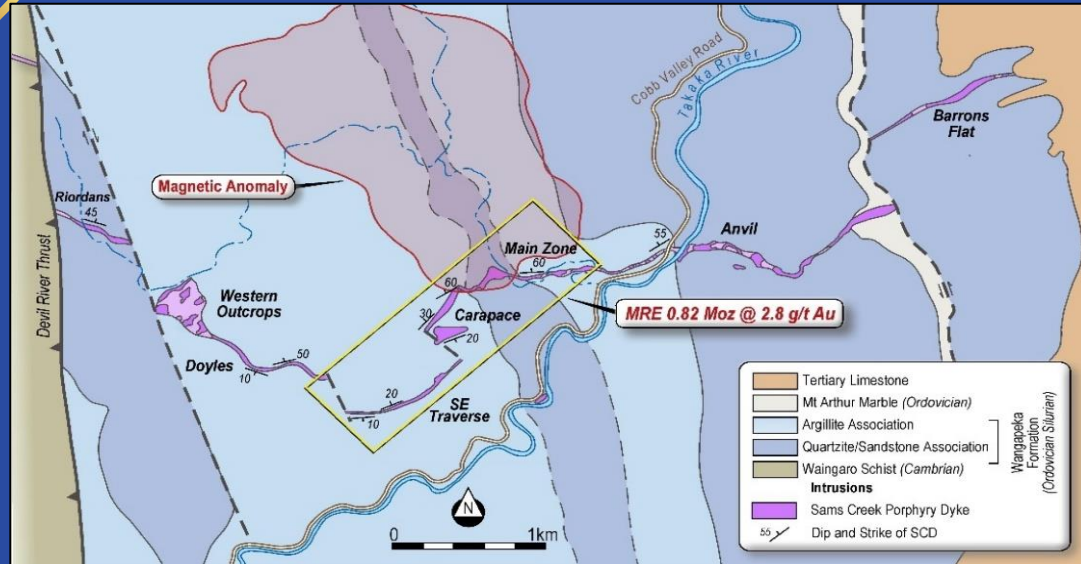
SAMS CREEK

Sams Creek Hub: Infrastructure

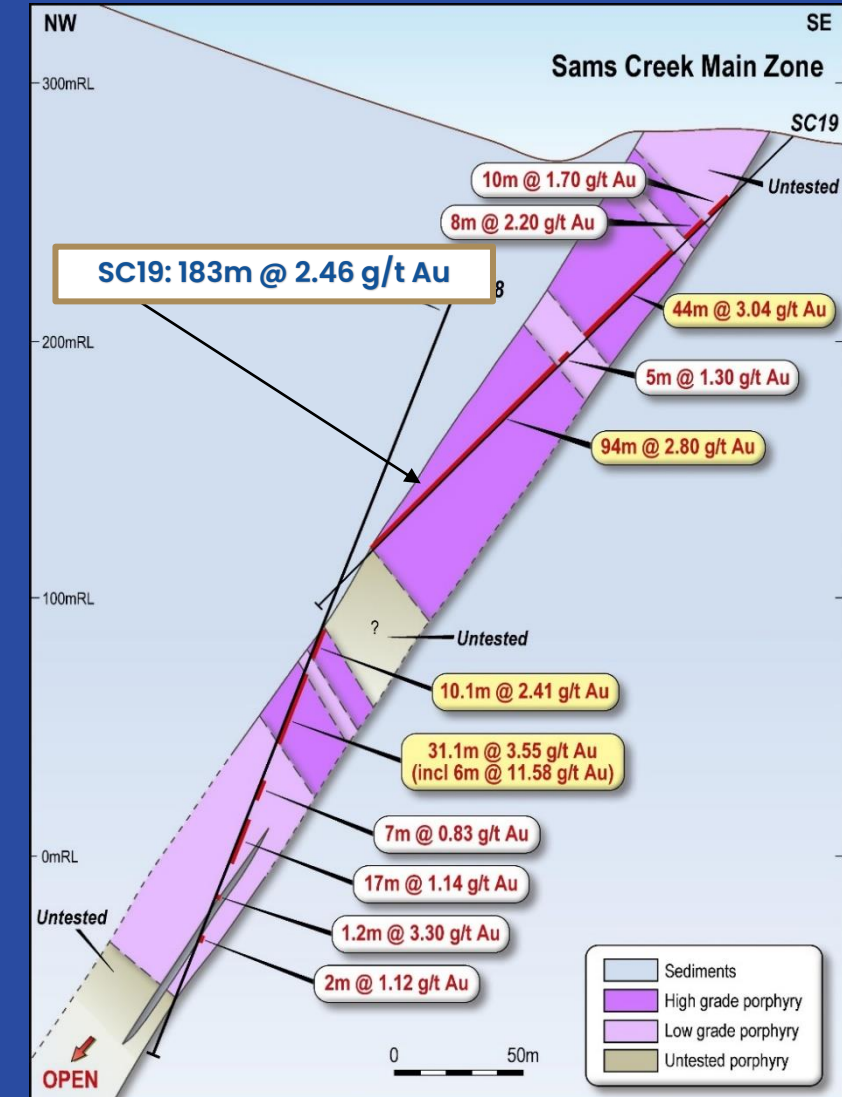
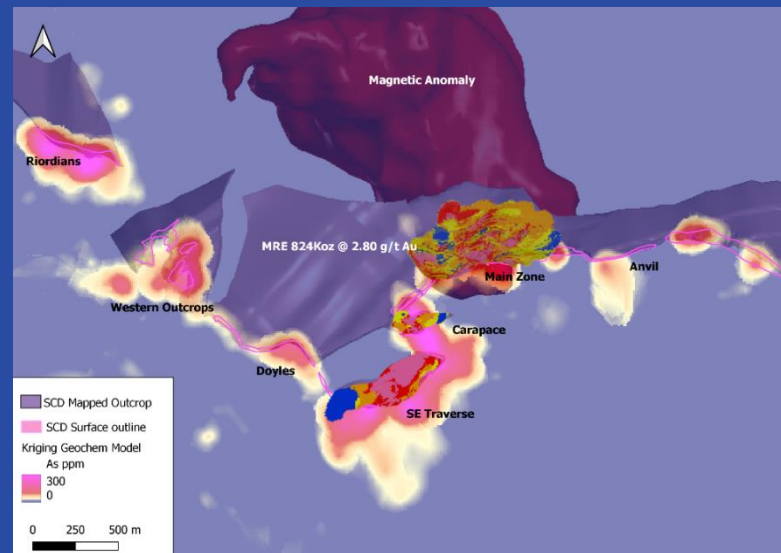
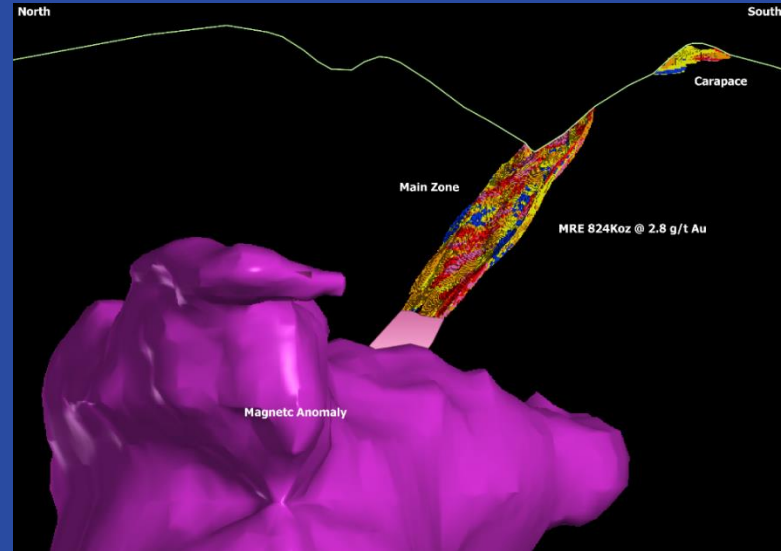
- Processing hub to be centred around Sams Creek to feed various UG mines as they come online
- Tenement holdings in good standing & under DoC stewardship
- Sealed Roads in place
- Hydro power readily available
- Takaka Port – easily accessible



Sams Creek: JV Siren (81.9%) Oceana Gold (18.1%)

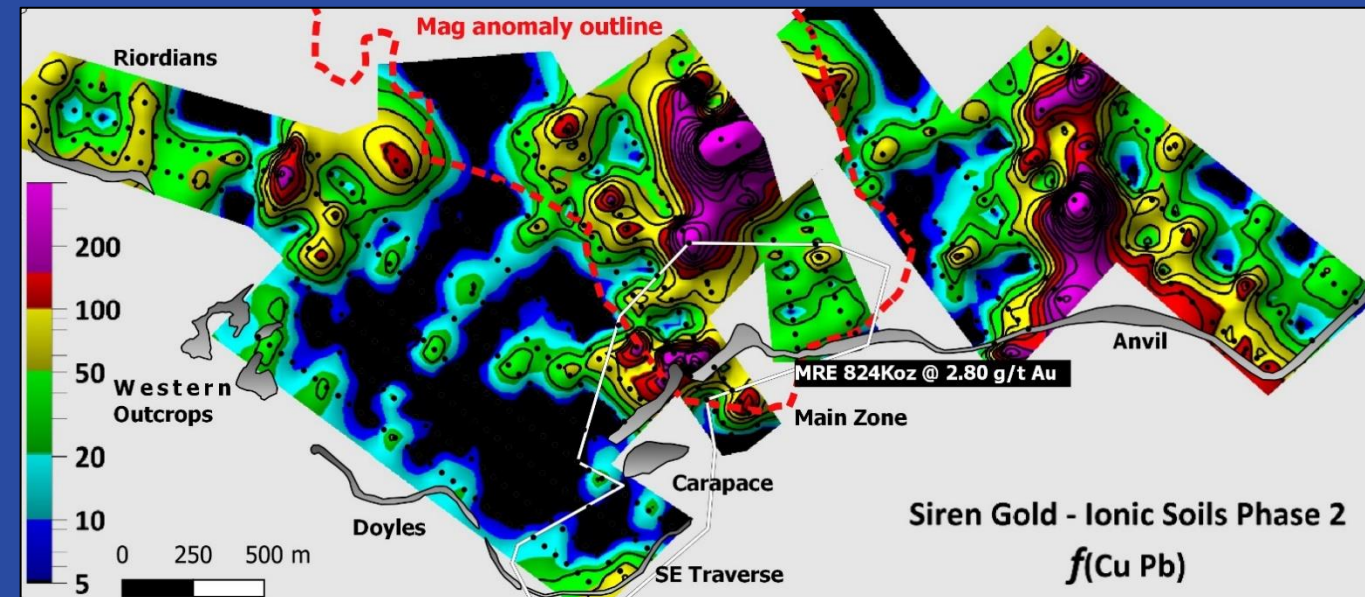
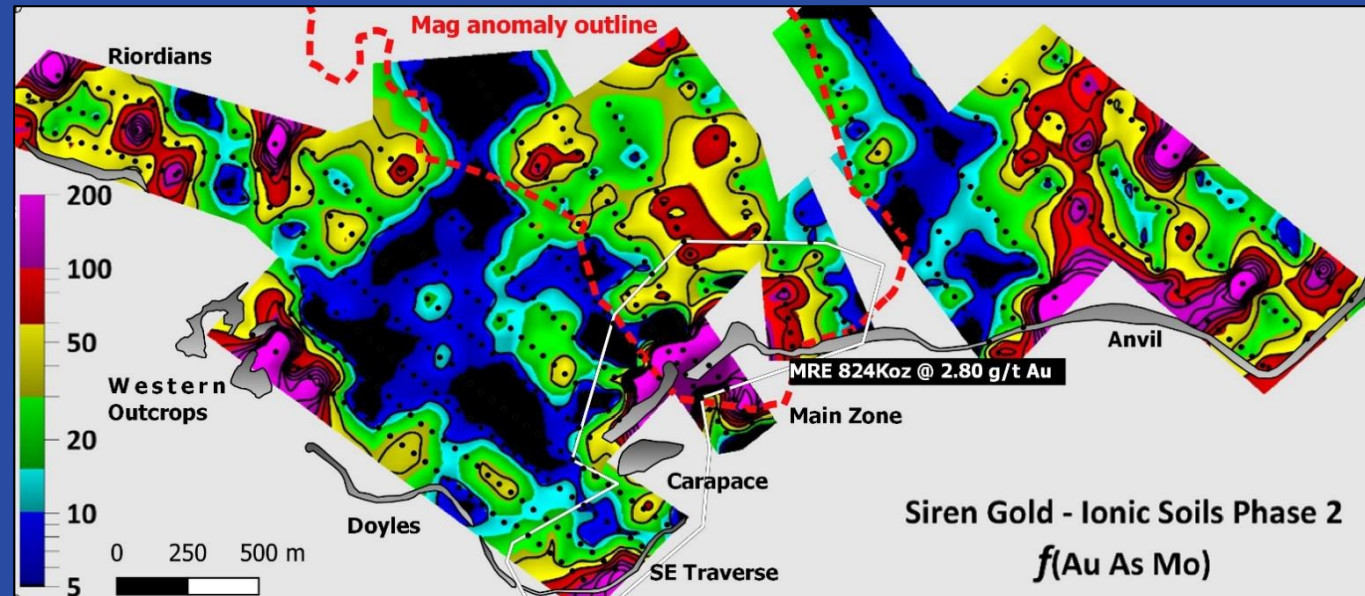


- Large Porphyry Gold Deposit with Huge Upside
- 7km Long x 50m Wide & Open at Depth
- MRE 824koz @ 2.83 g/t Au

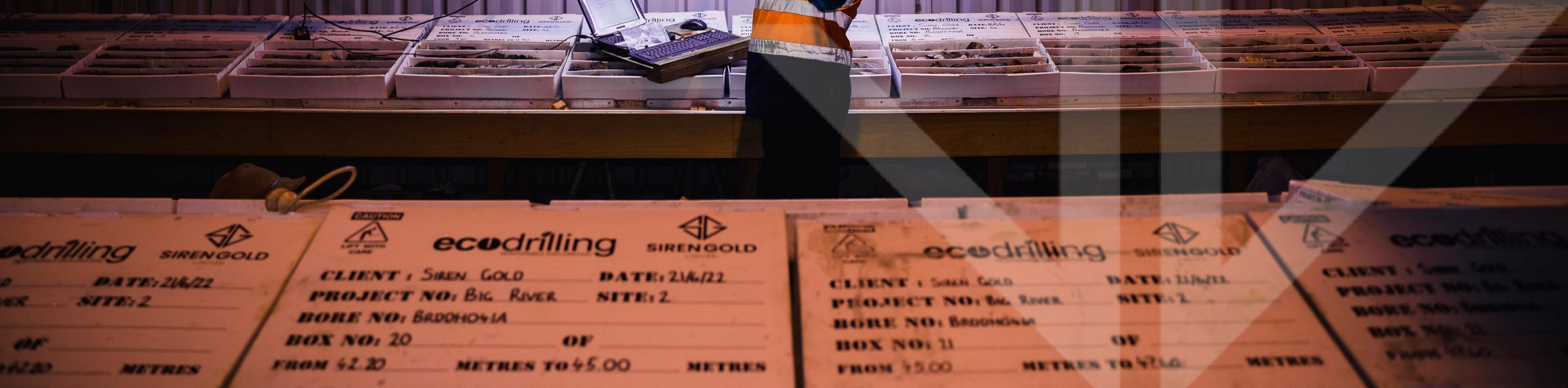


Sams Creek: Main & Anvil Zones – Multi Million Ounce Potential

- **Ionic Leach** survey highlights the Main Zone MRE mineralisation and a second strong NNE trending anomaly at **Anvil**.
- Drilling at **Anvil Zone** is underway and is considered a repeat of the Main Zone (**824koz @ 2.83 g/t Au**) mineralisation.
- Alton Drilling to take **equity** as part payment for drilling services



VALUE PROPOSITION



ecodrilling **SIRENGOLD**
DATE: 21/6/22
SITE: 2
OF
METRES

ecodrilling **SIRENGOLD**
CLIENT: SIRENGOLD DATE: 21/6/22
PROJECT NO: BIG RIVER SITE: 2
BORE NO: BRD0H041A
BOX NO: 20 OF
FROM 42.20 METRES TO 45.00 METRES

ecodrilling **SIRENGOLD**
CLIENT: SIRENGOLD DATE: 21/6/22
PROJECT NO: BIG RIVER SITE: 2
BORE NO: BRD0H041A
BOX NO: 11 OF
FROM 45.00 METRES TO 47.60 METRES

ecodrilling **SIRENGOLD**
CLIENT: SIRENGOLD DATE: 21/6/22
PROJECT NO: BIG RIVER SITE: 2
BORE NO: BRD0H041A
BOX NO: 10 OF
FROM 47.60 METRES TO 50.20 METRES

Rapid Progress Since IPO: Zero to 1.3Moz Au + 8.7kt Sb in <3 Years

Global Resource Estimate at a 1.5g/t Au cut-off (100% basis)

Project	Status	Cut-off g/t	Tonnes Mt	Au g/t	Sb %	Ounces koz	Sb kt
Sams Creek ¹	Indicated	1.5	3.29	2.80		295.6	
Sams Creek ¹	Inferred	1.5	5.81	2.83		528.8	
Reefton	Inferred	1.5	3.53	3.81	1.5	444.2	8.7
Total	Indicated & Inferred	1.5	12.63	3.10		1,268.6	8.7

*Based on gold equivalent formula of $AuEq = Au \text{ g/t} + 2.36 \times Sb\%$ using a gold price of US\$1,750/oz & antimony price of US\$13,000 per tonne.

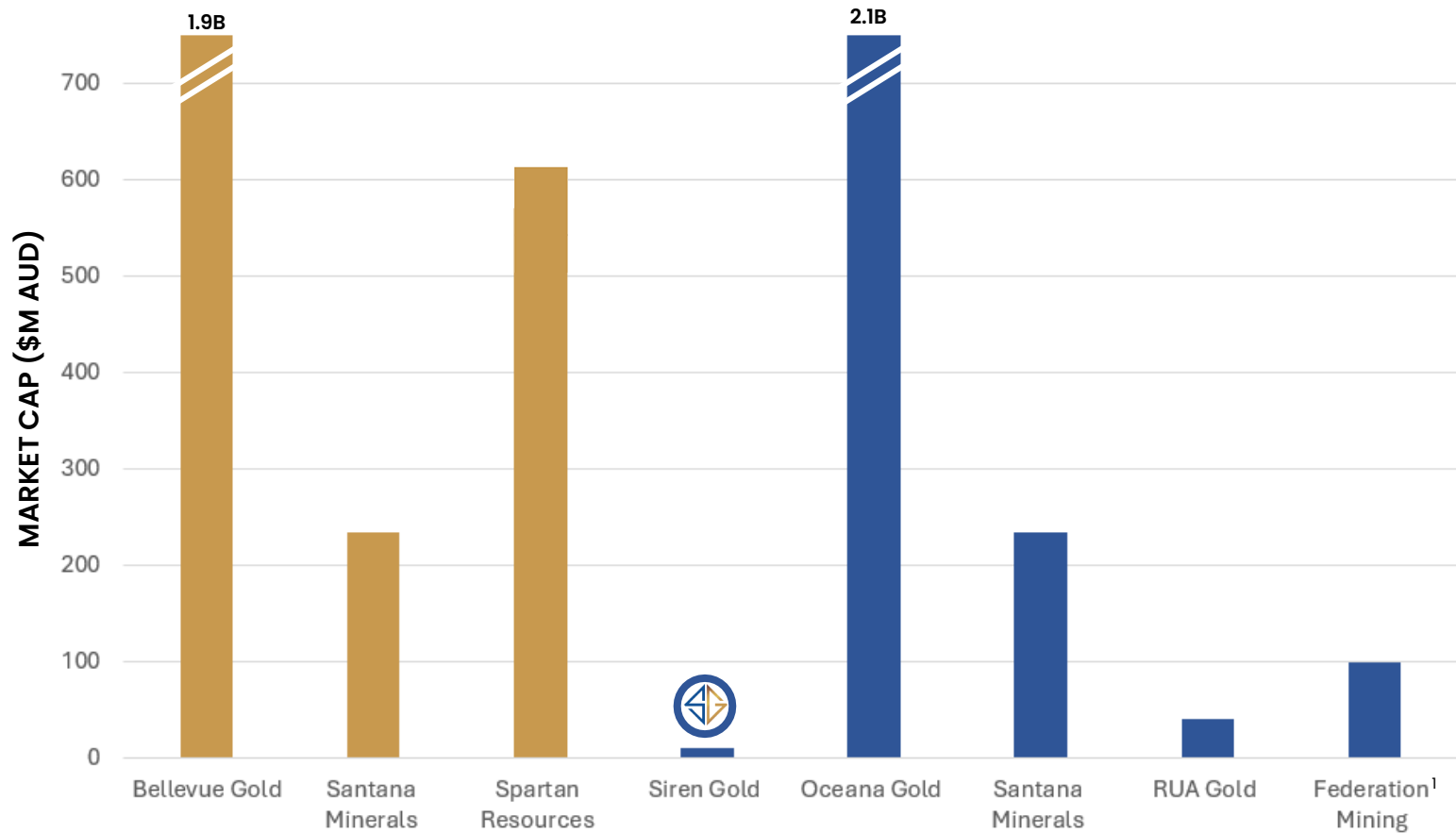
¹Siren owns 81.2% of the Sams Creek Project.

Siren Gold: Peers

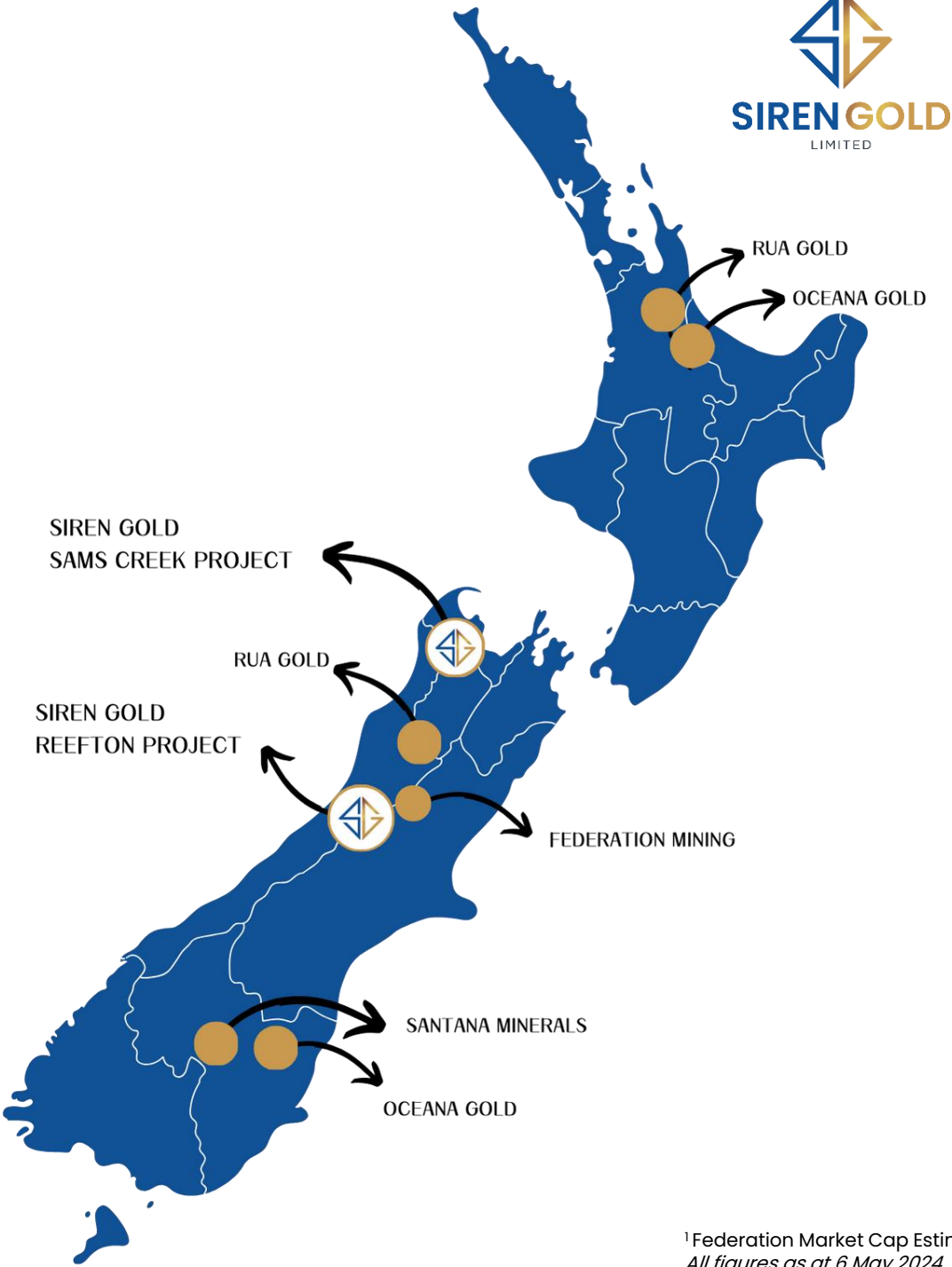


ASX Listed Peers

NZ Peers



Code	BGL	SMI	SPR	SNG	OGL	SMI	RUA	-
Mineral Resource	3.1Moz @ 9.9g/t Au	2.2Moz @ 2.2g/t Au	721koz @ 5.8g/t Au	1.3Moz @ 3.1 Au	5Moz @ 1.3g/t Au	2.2Moz @ 2.2g/t Au	-	700koz @ 23g/t Au
Share Price	1.67	1.11	0.57	0.06	2.95 CAD	1.11	0.16 CAD	-



¹ Federation Market Cap Estimate
All figures as at 6 May 2024



Key Takeaways

- Total Global Resource 1.3Moz @ 3.1g/t Au with 8.7kt @ 1.5% Sb and growing
- Reefton Project – Gold and Antimony potentially a world class asset, and contains a critical mineral in Antimony
- Drilling underway to unlock value at both Reefton and Sams Creek
- Current valuation of \$10/oz of Resource a low entry point
- Labour, Infrastructure and Hydropower all readily available

“Mining is Back”

– Shane Jones, Minister for Resources, New Zealand –

**Broker
Coverage**





Thank you

Victor Rajasooriar
Managing Director & CEO

ASX:SNG

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