

## AGM Presentation

23 November 2023





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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; Siren intersects significant mineralization at Bonanza East – 14 November 2023; Birgh-eigh value (2023; High-eigh value) and creek continues to intersect a broad mineralised zone – 19 Jul 2023; High-eigh value (2023; High-eigh value) (2023; High-eigh va



## **Key Highlights**



#### **Reefton Goldfield**

- Reefton is a large historic NZ goldfield with previous gold production totalling 11 Moz from alluvial, open cut and 85 historic underground mines.
- Siren has assembled a dominant ~1,000km² tenement package across the Reefton Goldfield
- Siren's current MRE of 511koz @ 3.4g/t AuEq (inclusive of high-grade antimony mineralisation)

#### Sams Creek

- Sams Creek porphyry dyke 7kms long & 50m wide, open at depth, outstanding exploration potential
- Sams Creek MRE of 824koz @ 2.8g/t Au

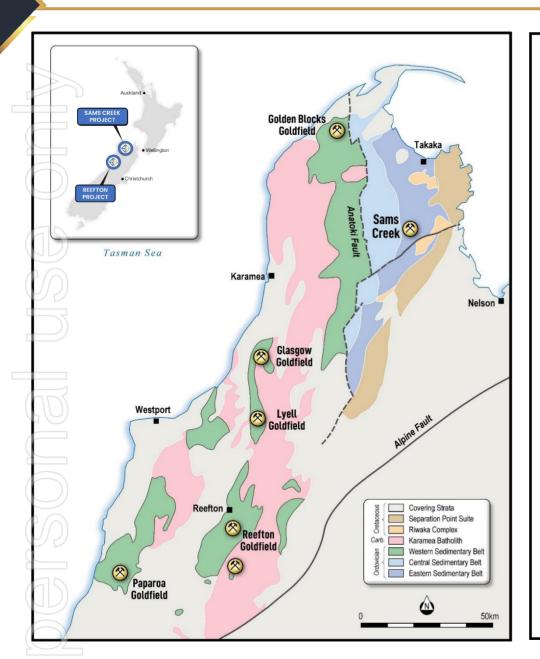
Siren's current Global Resource 1.3Moz @ 3.3g/t AuEq

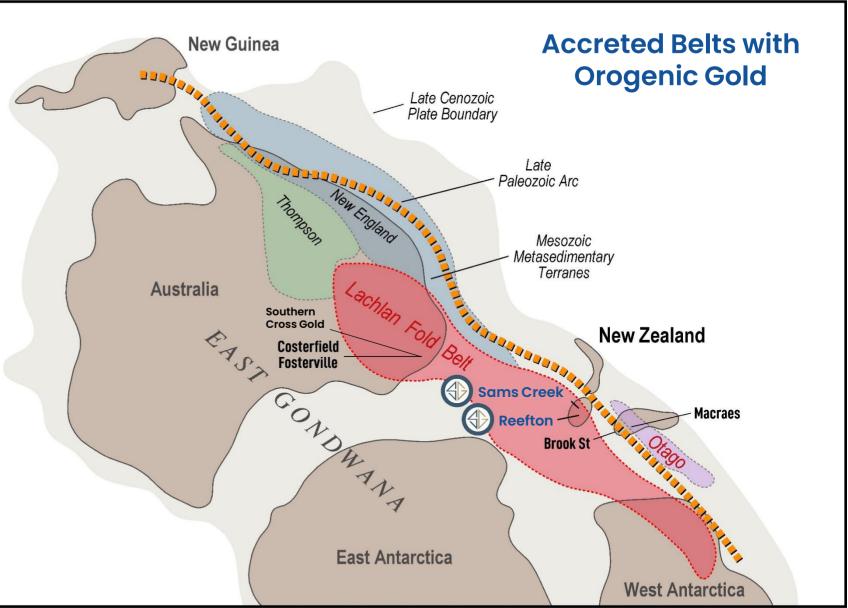
Strong potential to grow to 2.5-3.0Moz AuEq over the next 12/24 months



## Reefton & Sams Creek - Originally Part of the Lachlan Fold Belt







## Reefton - Prolific Gold Belt Attracting Significant Attention

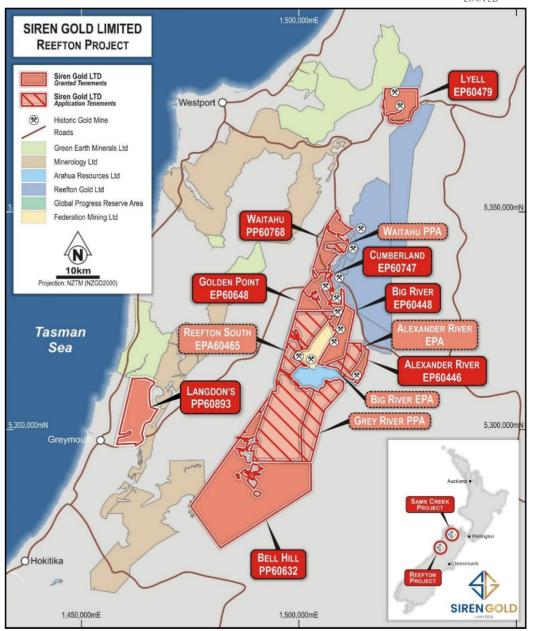


Siren Gold has assembled a dominant ~1,000km² tenement package – neighbours include:

- Reefton Gold private company backed by Eric Sprott and Oliver Lennox-King
  - Federation Mining developing the fully permitted Blackwater mine restart (backed by Australian Super **A\$100M** and the NZ Government through **A\$7M** loan)<sup>1</sup>

Reefton is a large **mining community** with **strong** support for mining from local and regional authorities

Reefton Goldfield projects have demonstrated support from all key stakeholders and clear permitting pathways



Refer to Federation Mining Investor Presentation (https://federationmining.com.au/)

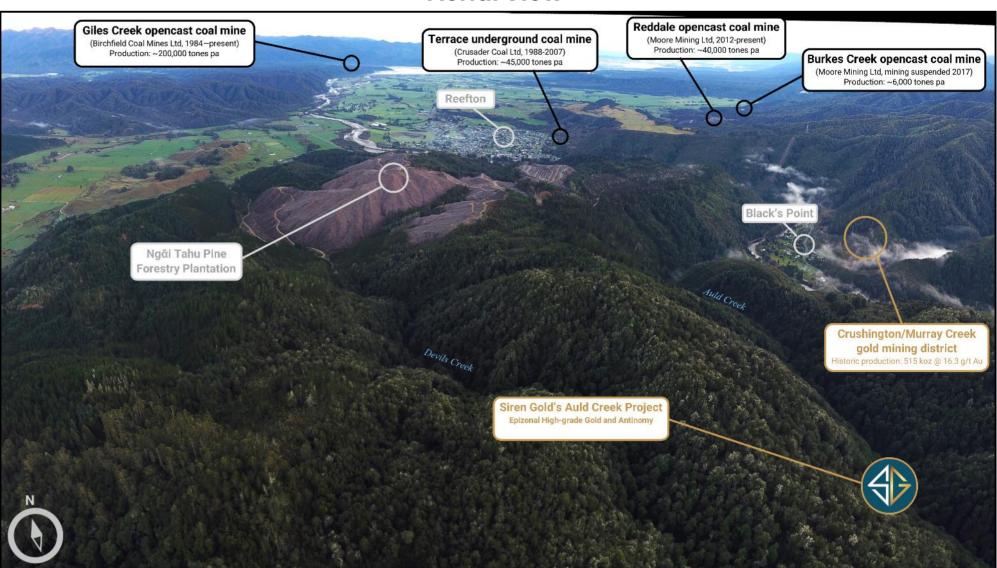


### Reefton - 18 Mines within 20kms of Auld Creek



### Reefton Aerial View







## **Reefton - Clear Permitting Process**





#### NZ Petroleum & Minerals

Under the Crown Minerals Act 1991 NZ Petroleum & Minerals is responsible for issuing exploration and mining permits



#### Landowners

Government managed as exploration areas are crown leasehold land, and primarily managed through the Department of Conservation (DOC)



#### Community

Under the Resource Management Act 1991, district councils (Buller District Council & West Coast Council) are responsible for resource consents for mining

#### **Recent Local Precedents**

- Federation Mining Blackwater UG mine restart (permitting timeline 2 years)
- Westland Mineral Sands Nine Mile open cut operation (granted in 2022)

- All access permits granted to Siren for exploration purposes
- Mining activities approved by DoC (including Oceana Gold's Globe Progress mine)

- Known to be supportive of mining with numerous recent approvals granted
- Continuing economic benefits to local communities

#### Catalysts / Mitigations

- Mining for Antimony and other critical minerals supported by Government with demonstrated support through grants and investment
- Change in Government anticipated to be positive for mining in NZ

- Significant historical mining on many of Siren's target areas – with modern rehabilitation to leave areas in better condition
- High-grade underground operations with reduced surface disturbance

- · Reefton is a mining community
- Sophisticated local Iwi (indigenous communities) maintain extensive business interests including mineral rights

No major obstacles to building a mine in a prolific gold district on the West Coast of NZ



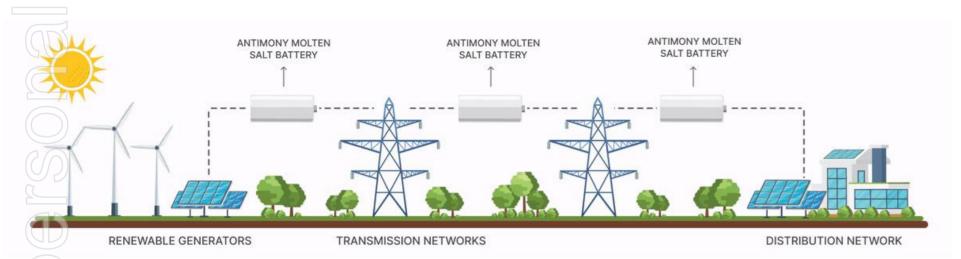
## Reefton - Critical Mineral Potential - Antimony (Sb)



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

- Antimony is critical to the world's supply of semi-conductors, solar panels, wind turbines and is becoming very important to the EV & energy storage industries.
- Antimony is a critical element in lithium-ion batteries and next generation liquid metal batteries.
- China and Russia combined produce approximately **82%** of current world production, Australia produces ~5%.

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





Strategic Defence Applications

Technology coatings & semiconductors





Ambri liquid metal batteries for long-life energy storage





## Reefton – High-Grade Gold & Antimony Mineralisation









### Why does high grade matter?

- Underground mining has a reduced surface signature, decreasing environmental impacts
- High grade underground mining operations (with access to hydropower) typically have a lower carbon footprint than lower grade open cut peers<sup>1</sup>
- Reduced processing capital costs as throughput requirements reduces plant scale
- As the grades of global gold resources trend lower over time, scalable highgrade projects are increasingly scarce and remain attractive M&A targets

<sup>1</sup>Bellevue 2022 Sustainability Report analysis of Australian gold operations

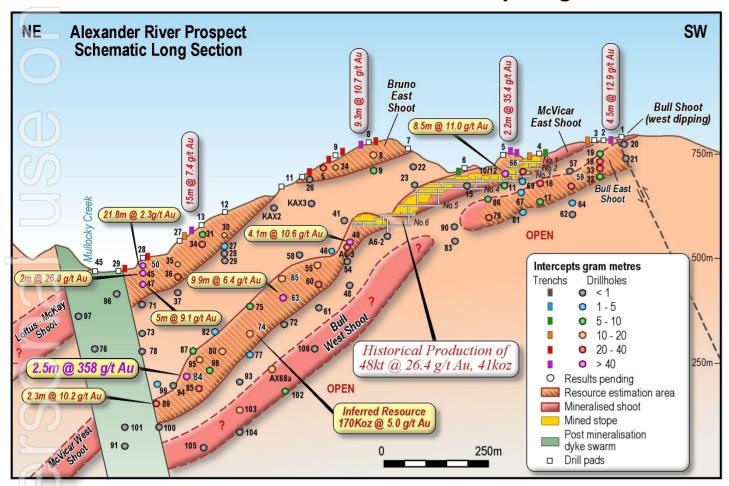


## Reefton – Alexander River MRE 170koz @ 5.0g/t Au

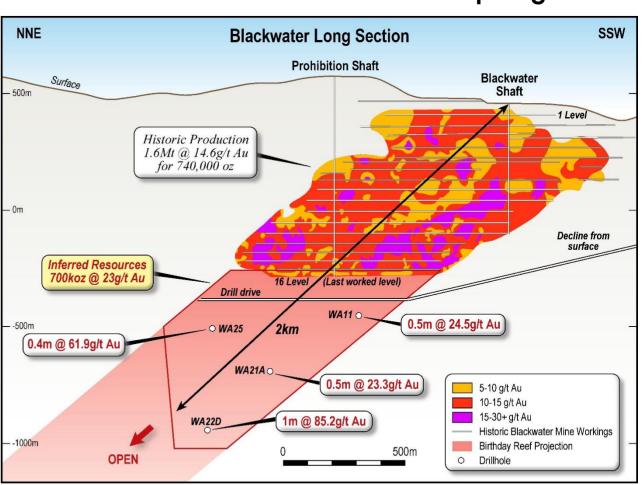


#### **Sirens Alexander River**

Shoot extends for +1.3kms down plunge



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

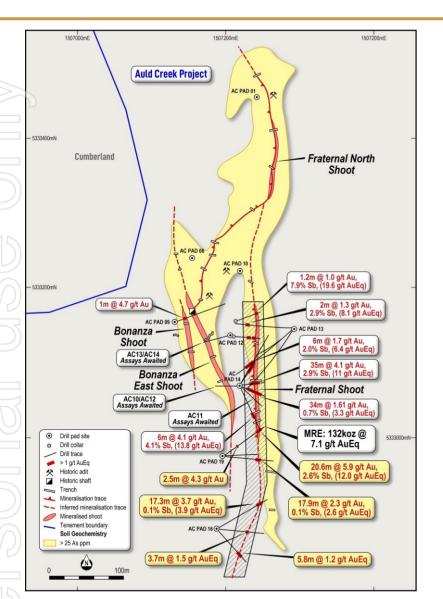


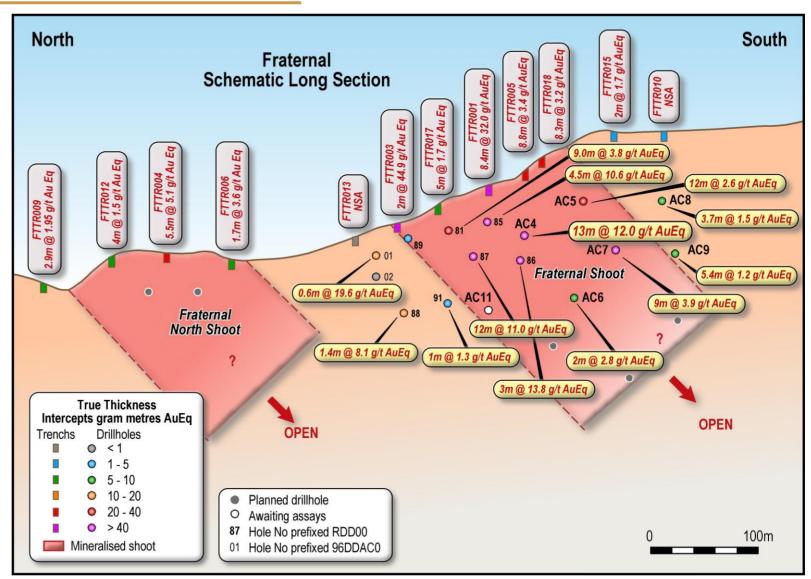
Continuous high-grade gold mineralization with proven depth extension



### Reefton - Auld Creek - Fraternal Shoots





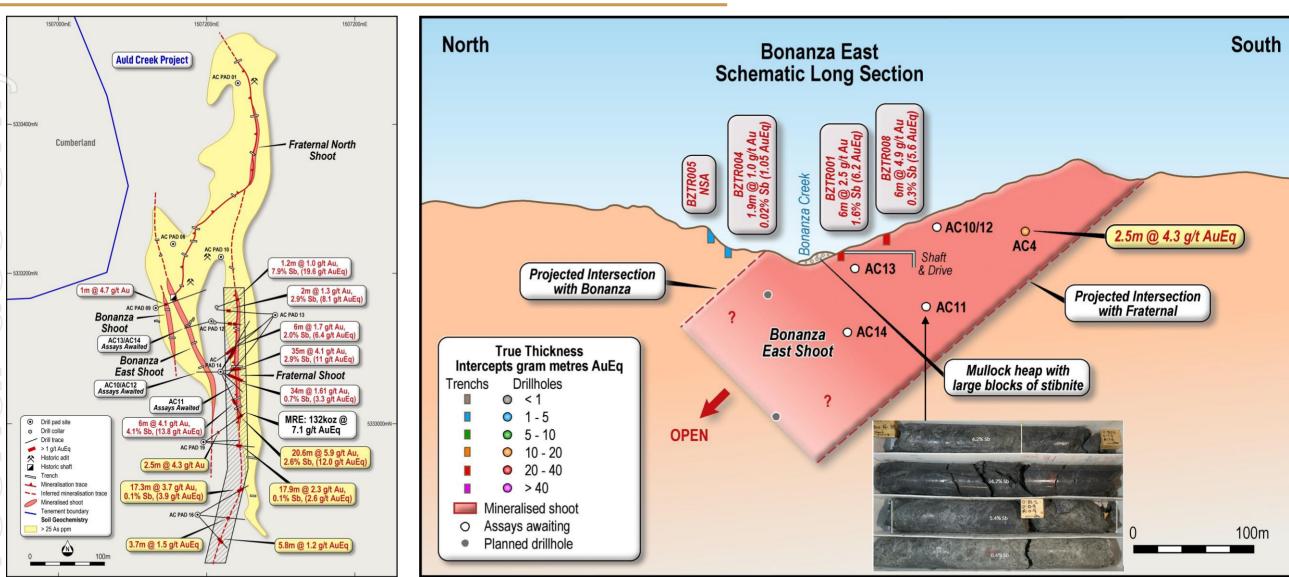


Maiden Resource declared from drilling at 1 of 4 identified Auld Creek shoots, with high-grade Au-Sb mineralisation a priority focus for resource growth



### Reefton - Auld Creek - Bonanza East Shoot



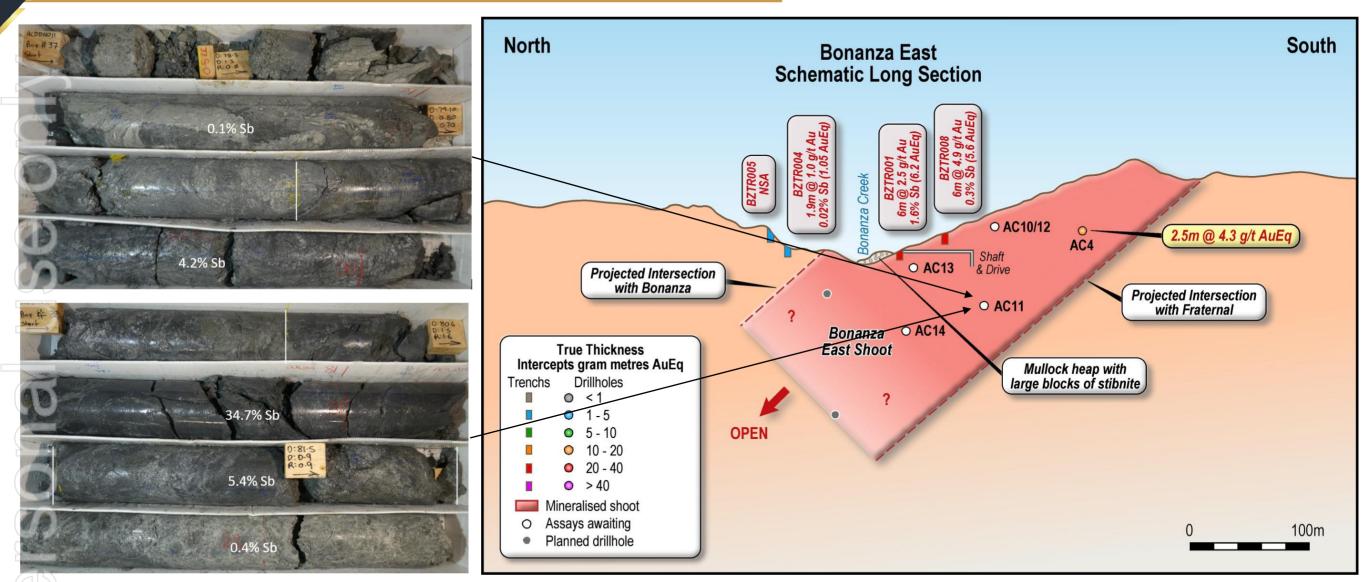


Recent drilling on the Bonanza East Shoot with all 5 holes intersecting mineralisation with assays awaited.



### Reefton - Auld Creek - Bonanza East Shoot





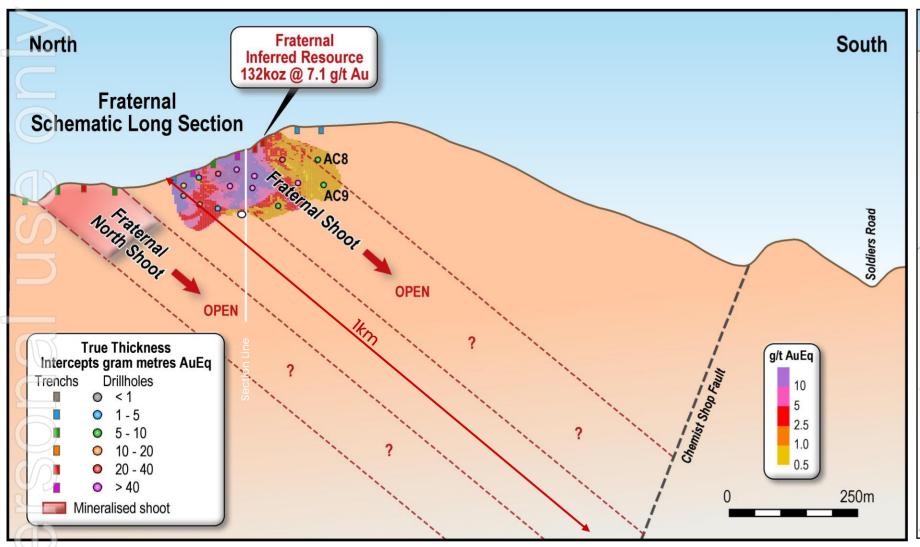
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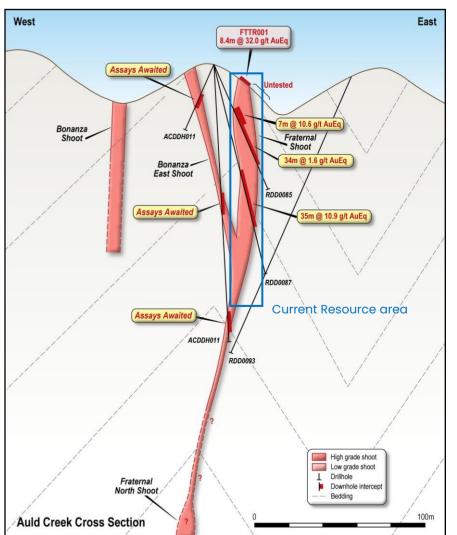


### Reefton – Auld Creek – Potential Extension of the Fraternal Shoots



### Maiden MRE of 132koz @ 7.1g/t AuEq

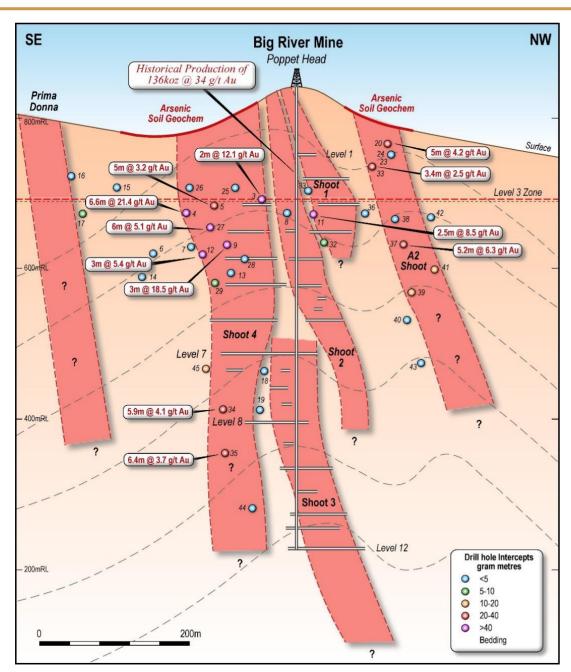






## Reefton - Big River Historical Production 136koz @ 34.1g/t Au





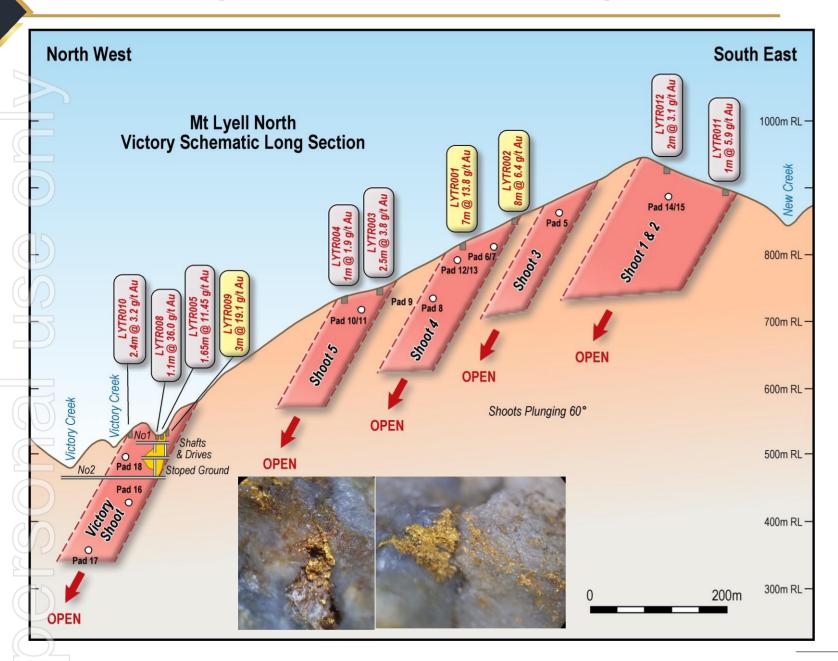
Mined closed during WWII in 1942 produced 136koz @ 34.1g/t Au

Inferred MRE 105koz @ 3.94g/t Au

| Big River Drill hole Intercepts |          |  |  |  |  |
|---------------------------------|----------|--|--|--|--|
| 6.6m @ 21.4g/t Au               | Shoot 4  |  |  |  |  |
| 3.0m @ 18.5g/t Au               | Shoot 4  |  |  |  |  |
| 2.0m @ 12.1g/t Au               | Shoot 4  |  |  |  |  |
| 6.0m @ 5.1g/t Au                | Shoot 4  |  |  |  |  |
| 5.9m @ 4.1g/t Au                | Shoot 4  |  |  |  |  |
| 5.2m @ 6.3g/t Au                | A2 Shoot |  |  |  |  |
| 5.0m @ 4.2g/t Au                | A2 Shoot |  |  |  |  |
| 2.5m @ 8.5g/t Au                | Shoot 1  |  |  |  |  |
|                                 |          |  |  |  |  |

### Reefton – Lyell – 4km strike from Alpine to United Victory – Drill Ready





### **Mt Lyell North Trenches**

7.0m @ 13.8g/t Au

8.0m @ 6.3 g/t Au

### **United Victory Channels**

3.0m @ 19.1g/t Au

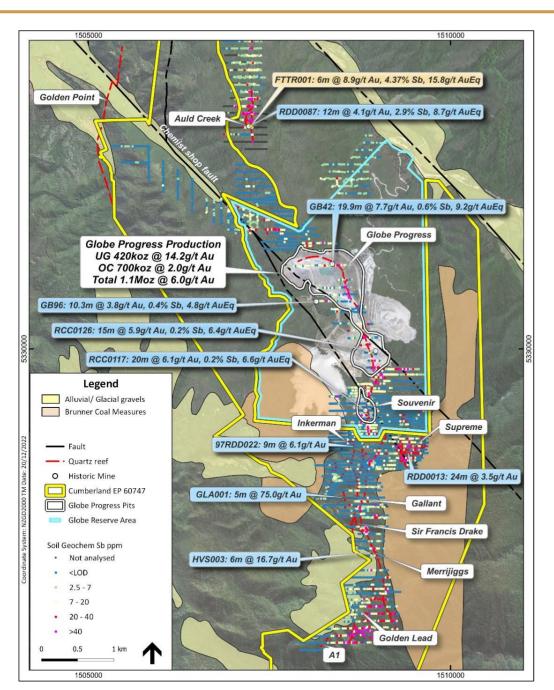
1.1m @ 36.0 g/t Au





## Reefton – Cumberland Strike Extension of Globe Progress Mine





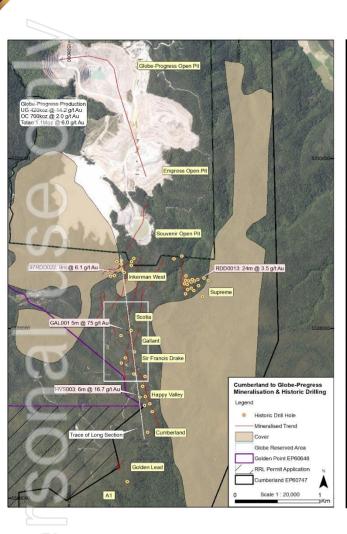
- Gold's Globe Progress Mine produced 1.1 Moz @ 6g/t
   Au (420koz @ 12.2g/t Au UG and 700koz @ 2g/t Au in OceanaGold's recent OP)
- Cumberland mineralisation **extends for 3km** south of the Globe Progress mine area and is open in all directions
- The Cumberland tenement **follows the main structural corridor** that hosts the larger mines in the
  Reefton field and links Siren to the Auld Creek Au-Sb
  prospect
- Stibnite mineralisation extends for 10kms from Auld Creek to Globe Progress, Souvenir, Supreme and Big River

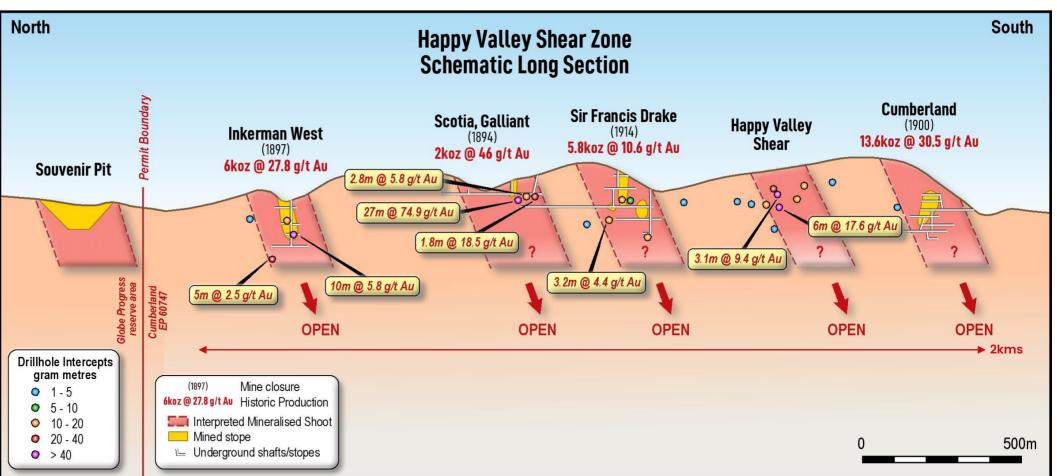
Nearology offers low risk resource expansion opportunities



## Reefton – Cumberland Southern Extension of Globe Progress



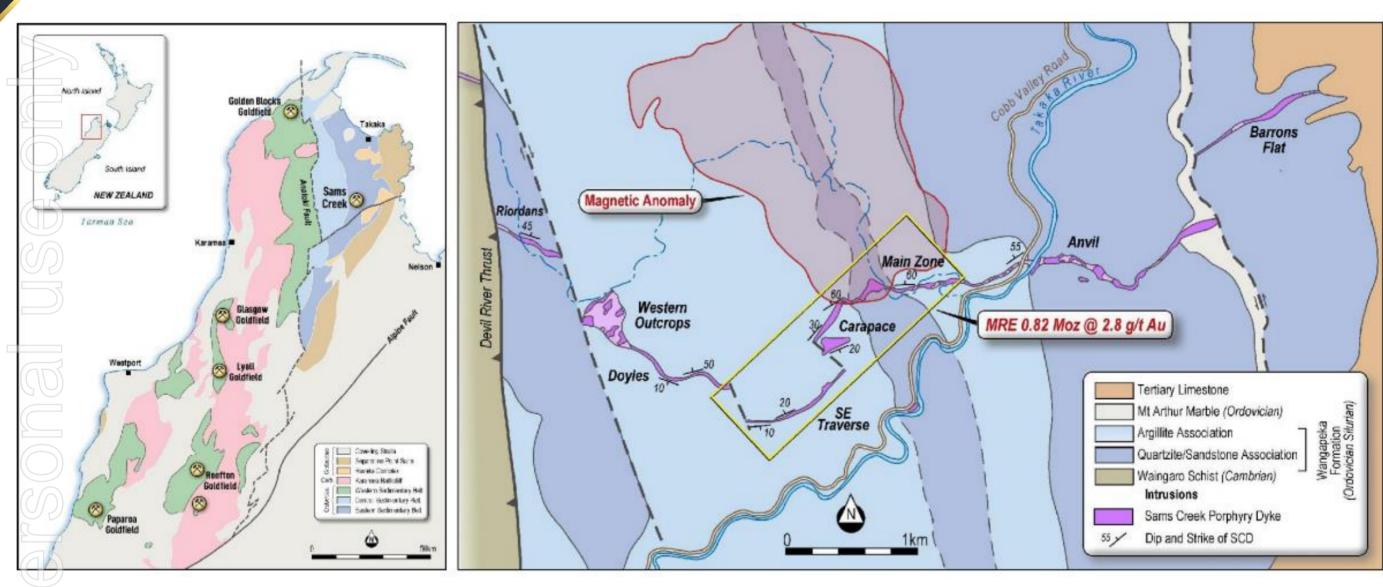






### Sams Creek - JV with Oceana Gold - 824koz Resource



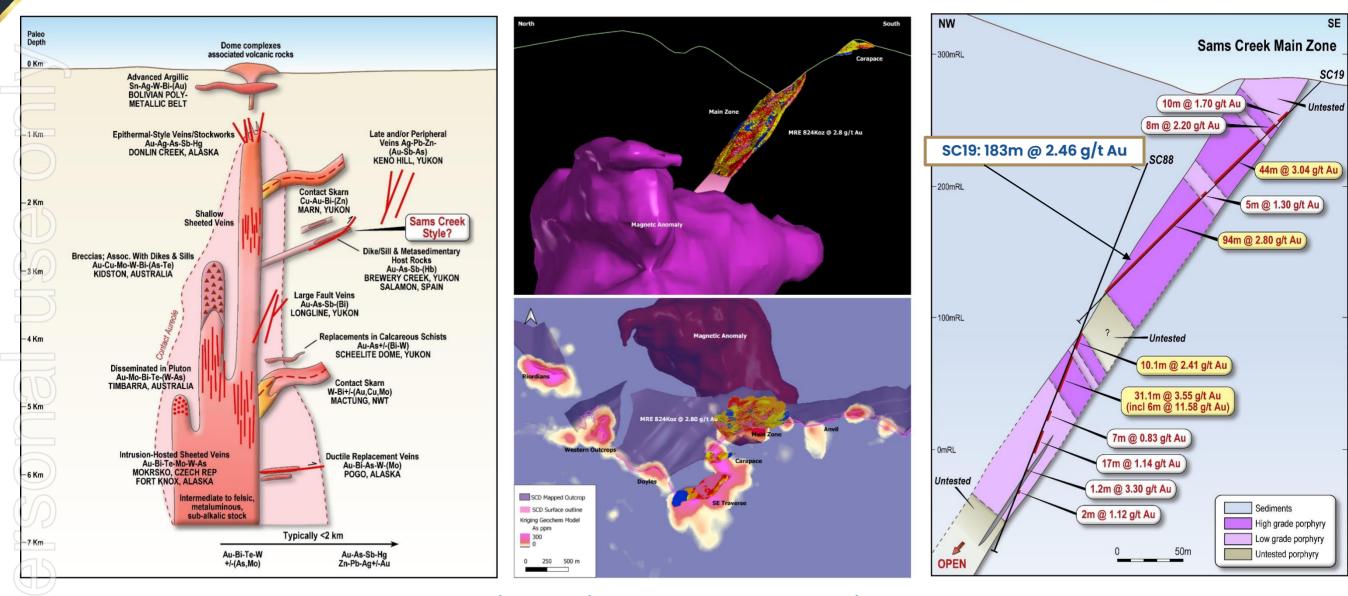


Strategic porphyry gold deposit with strong development potential



### Sams Creek - Intrusive Related Gold Deposit





Huge Exploration Upside - 7km long, 50m wide & open at depth



## Rapid Progress Since IPO - Zero to 1.33 Moz AuEq in <3 Years



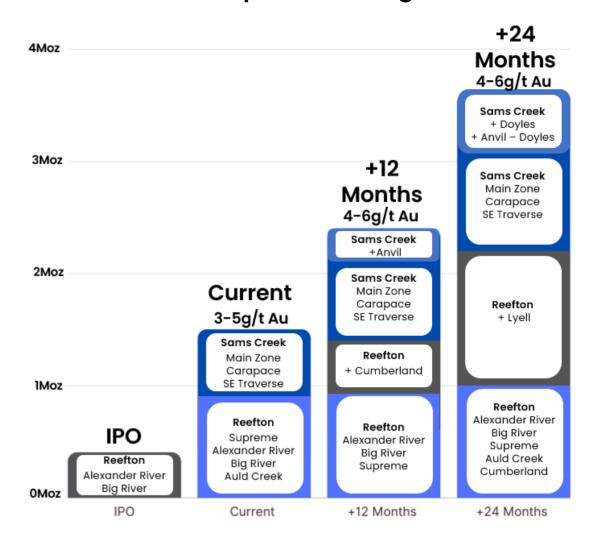
### Global Resource Estimate at a 1.5g/t Au cut-off (100% basis)

| Project            | Status                  | Cut-<br>off g/t | Tonnes<br>Mt | Au<br>g/t | Sb<br>% | Ounces<br>koz | Sb<br>kt | AuEq<br>g/t | AuEq<br>koz |
|--------------------|-------------------------|-----------------|--------------|-----------|---------|---------------|----------|-------------|-------------|
| Sams Creek         | Indicated               | 1.5             | 3.29         | 2.80      |         | 295.6         |          | 2.80        | 295.6       |
| Total              | Indicated               | 1.5             | 3.29         | 2.80      |         | 295.6         |          | 2.80        | 295.6       |
| Sams Creek         | Inferred                | 1.5             | 5.81         | 2.83      |         | 528.8         |          | 2.83        | 528.8       |
| Alexander<br>River | Inferred                | 1.5             | 1.07         | 4.95      |         | 169.6         |          | 4.95        | 169.6       |
| Big River          | Inferred                | 1.5             | 0.83         | 3.94      |         | 105.5         |          | 3.94        | 105.5       |
| Supreme            | Inferred                | 1.5             | 1.05         | 2.71      |         | 103.3         |          | 2.71        | 103.3       |
| Auld Creek         | Inferred                | 1.5*            | 0.58         | 3.53      | 1.5     | 65.8          | 8.7      | 7.10        | 132.4       |
| Total              | Inferred                | 1.5             | 9.34         | 3.20      |         | 973           | 8.7      | 3.42        | 1039.6      |
| Total              | Indicated +<br>Inferred | 1.5             | 12.63        | 3.10      |         | 1,268.6       | 8.7      | 3.26        | 1,335.2     |

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

Note: The potential quantity and grade of this Exploration Target is conceptual in nature as there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.

# Drilling over the next 12-24 months to build the Exploration Target





<sup>1</sup> Siren owns 81.2% of the Sams Creek Project.

### **Company Snapshot**





Fellow of the Australian Institute of Mining and Metallurgy (FAusIMM) with 45 years of OP & UG contract mining experience globally.





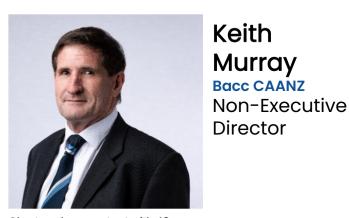
Geologist with 35+ years of mining & geology experience in NZ Responsible for >3Moz discoveries at Macraes, Reefton and Sams Creek Graduate from Otago University.





Mining Engineer with more than 25 years' operational & technical experience across underground & open pit operations. Currently Managing Director & CEO of Panoramic Resources.

Victor
Rajasooriar
BEng (Mining)
MAUSIMM
Non-Executive
Director



Chartered accountant with 40 years experience at General Manager level in audit, accounting, tax, finance, treasury and corporate governance.

#### **Capital Structure**

| Capital structure          |             |
|----------------------------|-------------|
| ASX Code                   | SNG         |
| Share Price                | 7 Cents     |
| Shares on Issue            | 158,951,805 |
| Options/Performance Rights | 9,293,262   |
| Market Capitalisation      |             |

#### **Major Shareholders**





### **Key Takeaways**

- Significant growth since listing with a Global Resource from zero to 1.3Moz @ 3.3g/t AuEq
- Huge potential to grow resource base to 2.5-3.0Moz over the next 12/24 months
- Exposure to high-grade Antimony, a key critical & strategic metal co-product
- Siren is significantly undervalued with a low Market Cap of **<\$10M**





# Thank you

Brian Rodan | Executive Chairman Paul Angus | Technical Director

**ASX: SNG** 

T: (08) 6458 4200

E: admin@sirengold.com.au
W: www.sirengold.com.au

