



# Reefton Goldfield, New Zealand

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Exploration Update – 15 March 2022



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## **COMPETENT PERSONS STATEMENT**

The information contained in this report relating to exploration results relates to information compiled or reviewed by Mr Paul Angus. Mr Angus is a member of the Australasian Institute of Mining and Metallurgy and is a director of and consultant to the Company. Mr Angus has sufficient experience of relevance to the styles of mineralisation and the types of deposit under consideration, and to the activities undertaken to qualify as Competent Persons as defined in the 2012 edition of the JORC "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Angus consents to the inclusion in the Presentation Materials of the matters based on information in the form and context in which it appears. This presentation contains information extracted from the previously released announcements, including the prospectus dated 5/10/2020, and announcements dated 11/11/2020, 23/12/2020, 12/02/2021 and 19/04/2021. These are available to view on the website, [www.sirengold.com.au](http://www.sirengold.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements.

## Alexander River



- **Exploration Target of 500-700koz @ 5-7g/t Au.**
- **Upside potential of 1.0 to 1.2Moz**
- **Targeting Maiden Inferred resource - Q1 2022.**
- **Easy access via a short decline with 500m of mineralisation above the portal.**
- **Best drill holes: 8m @ 11g/t, 3m @ 10.8g/t, 2m @ 26.8g/t, 4.1m @ 10.6g/t, 5m @ 8.7g/t Au**
- **Many similarities with Fosterville and Queensway Epizonal deposits.**

## Big River



- **Historic Production 136koz @ 34.1g/t Au.**
- **Exploration Target of 100-125koz @ 7-9g/t Au.**  
**Only 1 of 6 shoots drilled to date.**
- **Upside potential of 250- 500koz.**
- **Contains massive Stibnite veins – high grade gold**
- **Best drill holes: 6m @ 21.4g/t, 3m @ 18.5g/t, 2m @ 12.1g/t, 6m @ 5.1g/t, 5m @ 4.2g/t Au.**
- **4km strike extension with 3 small mines and strong soil geochemistry**

## Golden Point



- **Golden Point mine produced 400oz @ 10g/t Au from a 1.2m thick reef with visible gold.**
- **Arsenic and Au soil geochem over 3.0km strike.**
- **Reef strikes parallel to and 3km west of Globe Progress mine that produced 1.1Moz Au.**
- **Maiden 3-hole drilling programme completed at the end of 2021. GP002 intersected 2m @ 1.8g/t Au 500m south of the Golden Point mine. GP003 results awaited.**

# Lyell



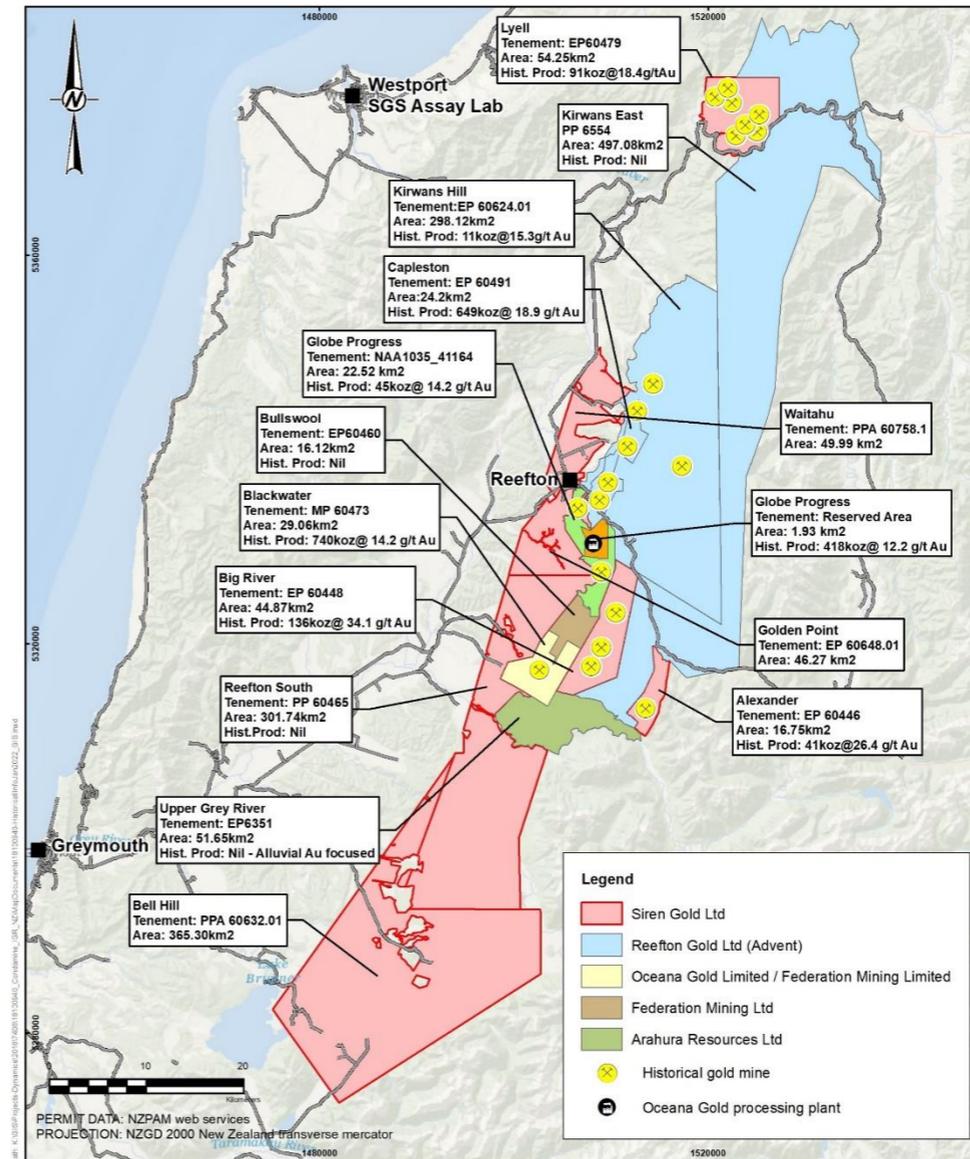
- **Historic Production 91koz @ 18.4g/t Au.**
- **Alpine United was mined to a depth of 550m and produced 80,514oz gold @ 17g/t between 1874 -1911.**
- **Alpine United located on anticline that can be mapped for over 5kms.**
- **Strong Au and As soil anomalies that extend for over 5kms along the anticline hinge.**
- **Only six historic drillholes best intercept 2m @ 4.6g/t Au.**
- **Drilling planned for Q4 2022**

## Outcropping Mineralisation

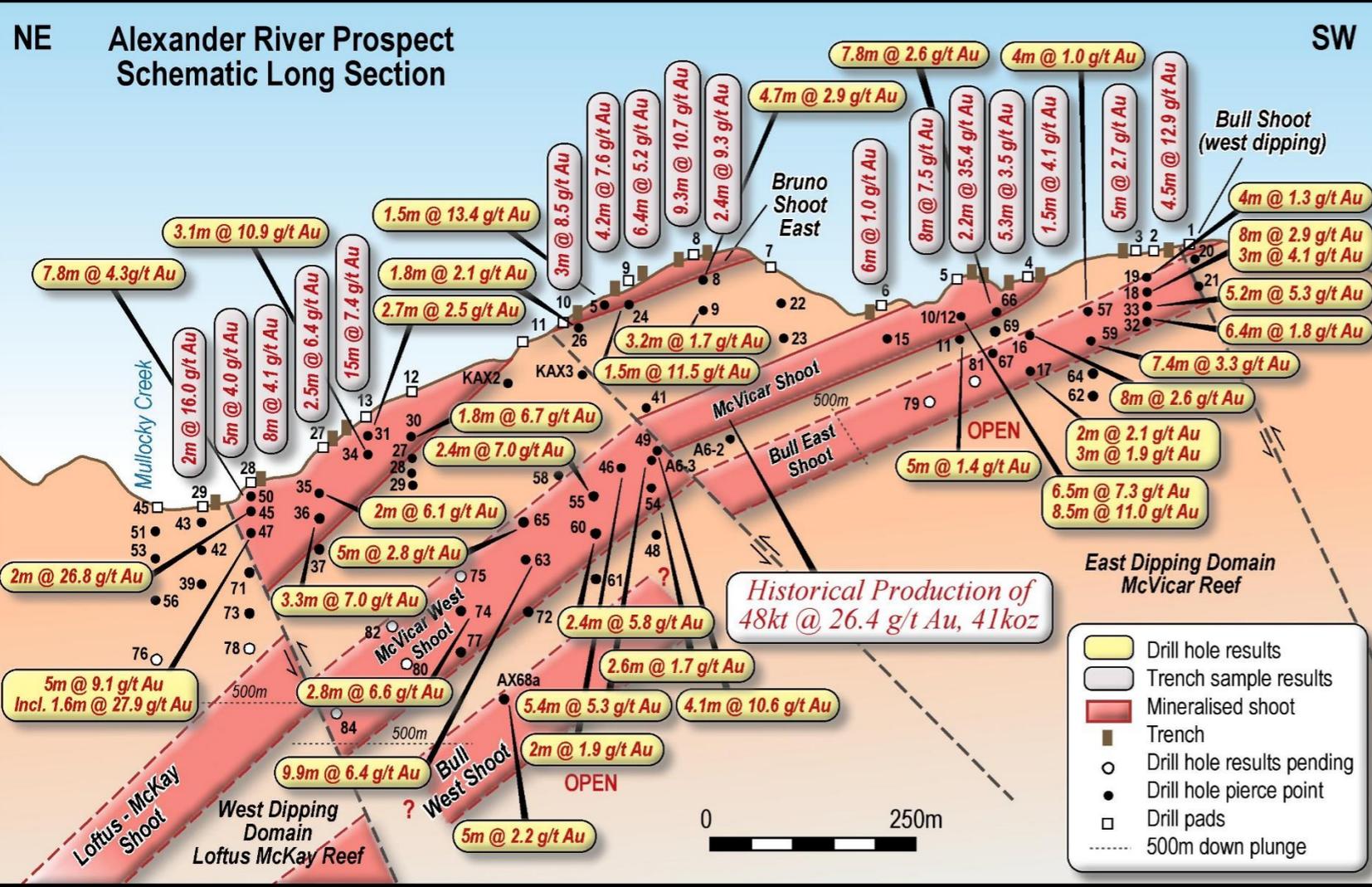
- Alexander River
- Big River
- Lyell
- Golden Point
- Auld Creek

## Buried Mineralisation

- Reefton South
- Bell Hill
- Waitahu



# Exploration Target – 500 to 700koz @ 5-7g/t Au

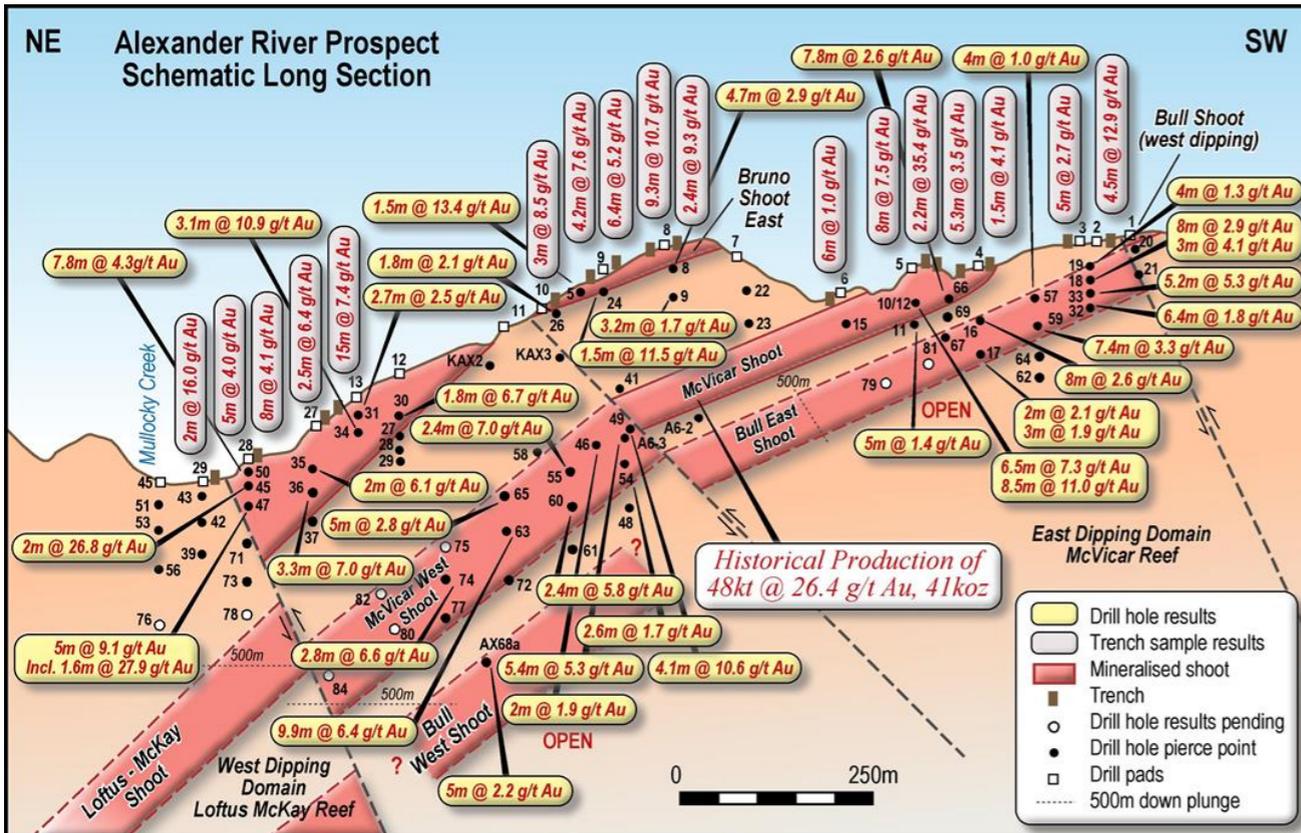


Bull / McVicar East		
Drillhole / Trenches	Metres	Au (g/t)
Trench A	4.5	12.9
Trench B	5.0	2.7
Trench C	1.5	4.1
Trench F	5.3	3.5
Trench Fa	2.2	35.4
Trench G	8.0	7.5
AX11	5.0	1.4
AX12	8.5	11.0
AX17	5.0	2.0
AX18	8.0	2.9
AX19	4.0	1.3
AX32	6.4	1.8
AX33	5.2	5.3
AX57	4.0	1.0
AX59	7.4	3.3
AX66	7.8	2.6
<b>Weighted Average</b>	<b>5.5</b>	<b>5.2</b>

McVicar West		
Drillholes/ Trenches	Meters	Au (g/t)
A3-6	6.4	5.0
AX46	2.0	1.9
AX49	4.1	10.6
AX54	2.6	1.7
AX55	2.4	7.0
AX60	2.4	5.8
AX63	9.9	6.4
AX65	5.0	2.8
AX74	2.8	6.6
<b>Weighted Average</b>	<b>4.2</b>	<b>5.6</b>

Loftus-McKay		
Drillholes/ Trenches	Meters	Au (g/t)
Channel 1	15.0	7.4
Channel 2	2.5	6.4
Channel 3	8.0	4.1
Channel 4	5.0	4.0
Channel 5	2.0	16.0
AX30	1.8	6.7
AX31	2.7	2.5
AX34	3.1	10.9
AX35	2.0	6.1
AX36	3.3	7.0
AX45	2.0	26.8
AX47	5.0	9.1
AX50	7.8	4.3
<b>Weighted Average</b>	<b>4.6</b>	<b>7.2</b>

# Exploration Target – 500 to 700koz @ 5-7g/t Au



Shoot	Thickness (m)	Grade (g/t Au)	Height (m)	Plunge (m)	Tonnes (t)	Ounces (Koz)
Bull -McVicar East	5.5	5.2	150	500	1.1	188
Loftus McKay	4.6	7.2	150	500	0.9	217
McVicar West	4.2	5.6	100	500	0.6	101
<b>Total</b>	<b>4.8</b>	<b>6.0</b>			<b>2.6</b>	<b>505</b>

Shoot	Thickness (m)	Grade (g/t Au)	Height (m)	Plunge (m)	Tonnes (t)	Ounces (Koz)
Bull -McVicar East	5.5	5.2	150	750	1.7	281
Loftus McKay	4.6	7.2	150	1000	1.9	433
McVicar West	4.2	5.6	100	1000	1.1	203
<b>Total</b>	<b>4.8</b>	<b>6.0</b>			<b>4.7</b>	<b>917</b>

- Exploration Target of 500-700koz @ 5-7g/t Au.
- Upside potential of 1.0 to 1.2Moz
- Targeting Maiden Inferred resource in April 2022

**Note 1:** 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.



# AXDDH084 – McVicar West shoot



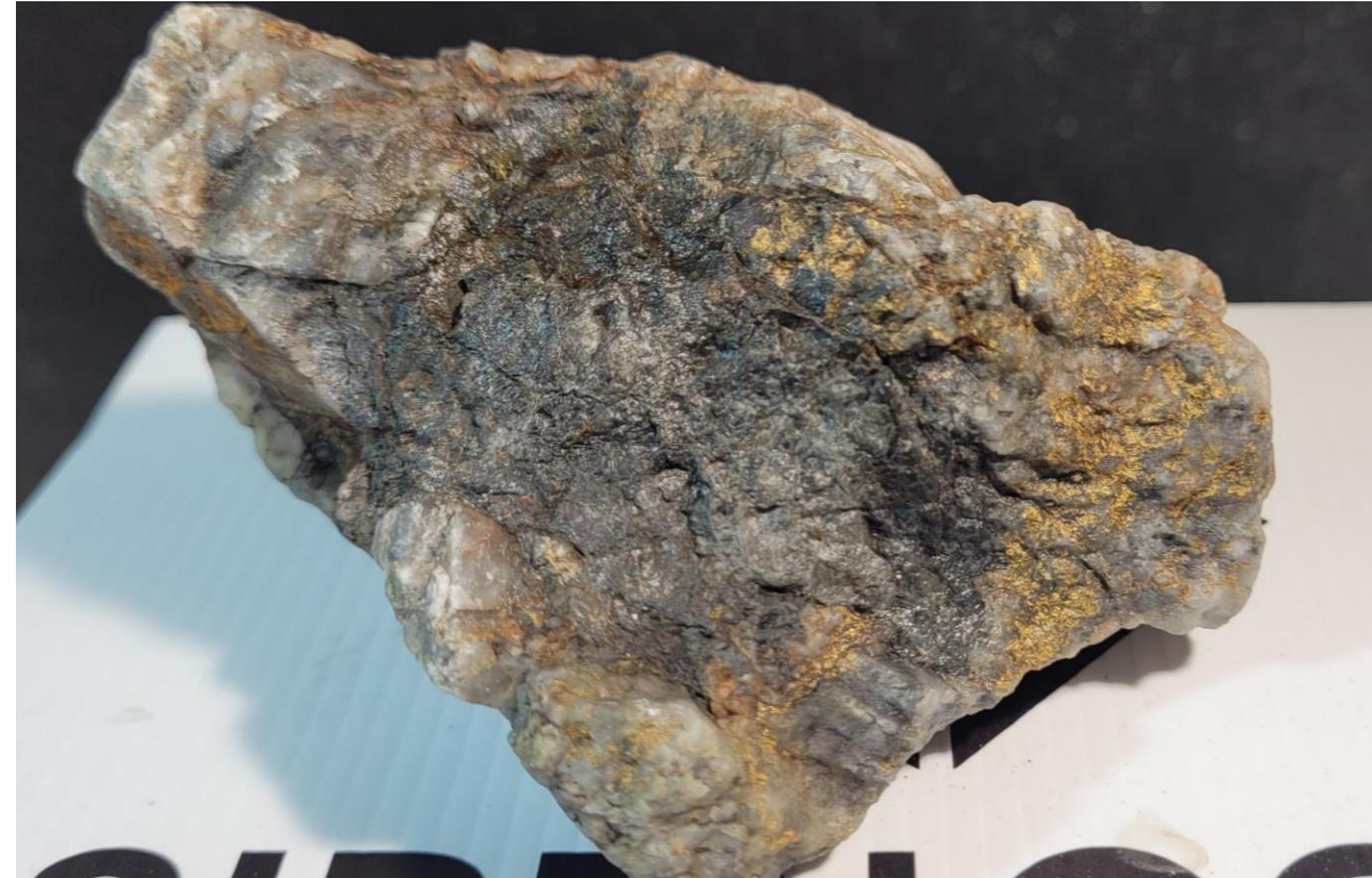
## Alexander River – Reefton NZ



## New Found Gold Corp's- Queensway Canada



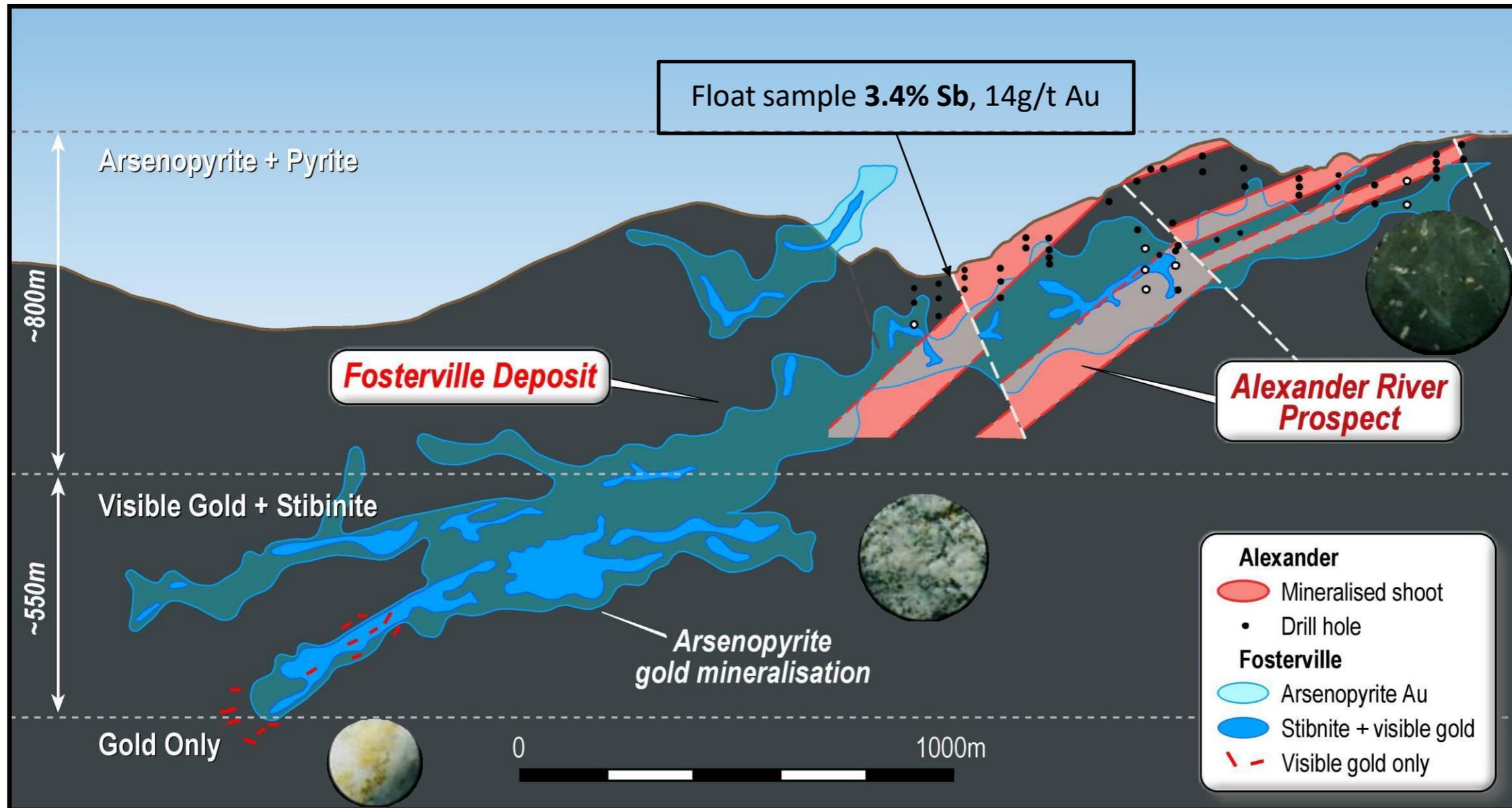
# McVicar East (42koz @ 26g/t Au) – Float sample







# Alexander River – Long Section of to Fosterville



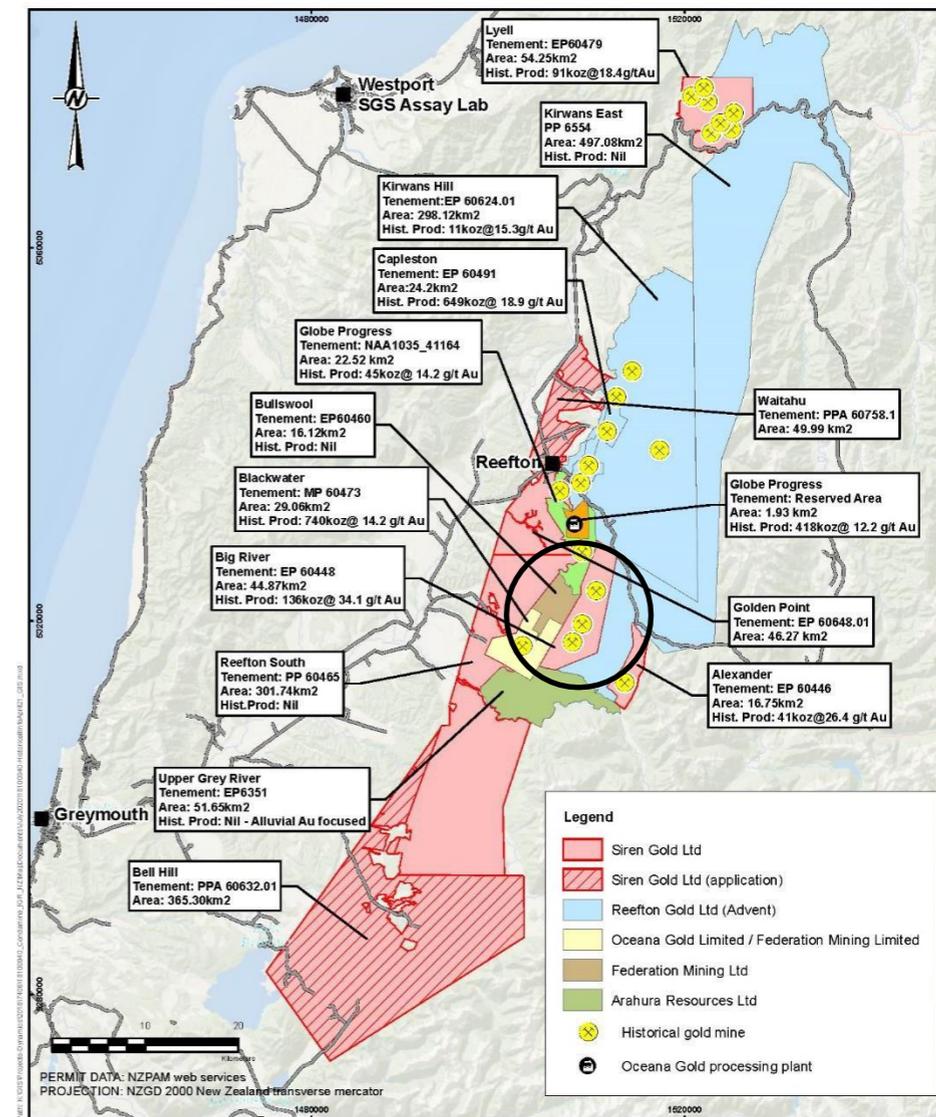
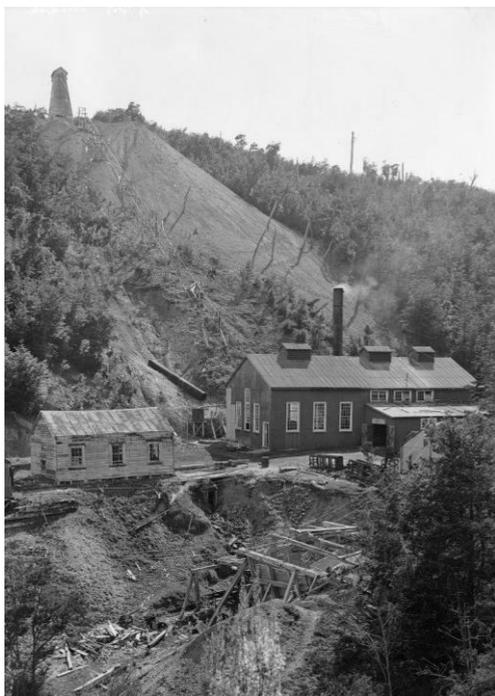
# Big River – Battery Stibnite Stockpile



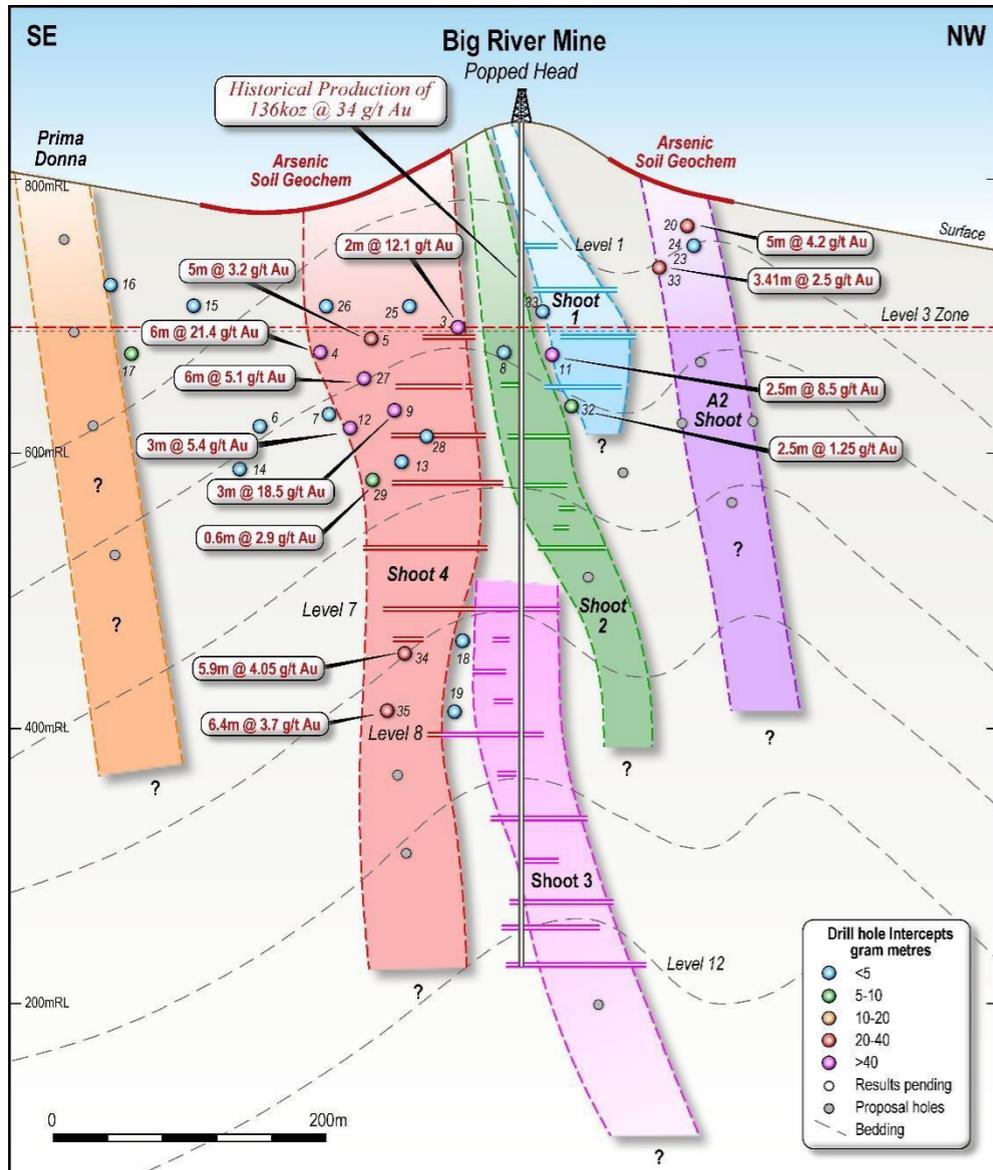
# Big River - Historical production 34.1g/t Au, 136koz

## Big River Mine

- Historical Production of **136koz at 34.1g/t Au** (cut off grade ~15g/t Au)
- Mined to 560m from 12 levels.
- Big River closed in 1942 due to WWII.
- Currently drilling **high grade drill targets**.



# Big River Mine – Exploration Target 100 to 125koz @ 7-9g/t Au



Drillholes	Interval (m)	Au (g/t)
BR3	2.0	12.1
BR4	6.0	21.4
BR5	5.0	3.2
BR9	3.0	18.5
BR12	3.0	5.4
BR27	6.0	5.1
BR34	5.9	4.1
BR35	6.4	3.7
<b>Weighted</b>	<b>4.7</b>	<b>8.5</b>

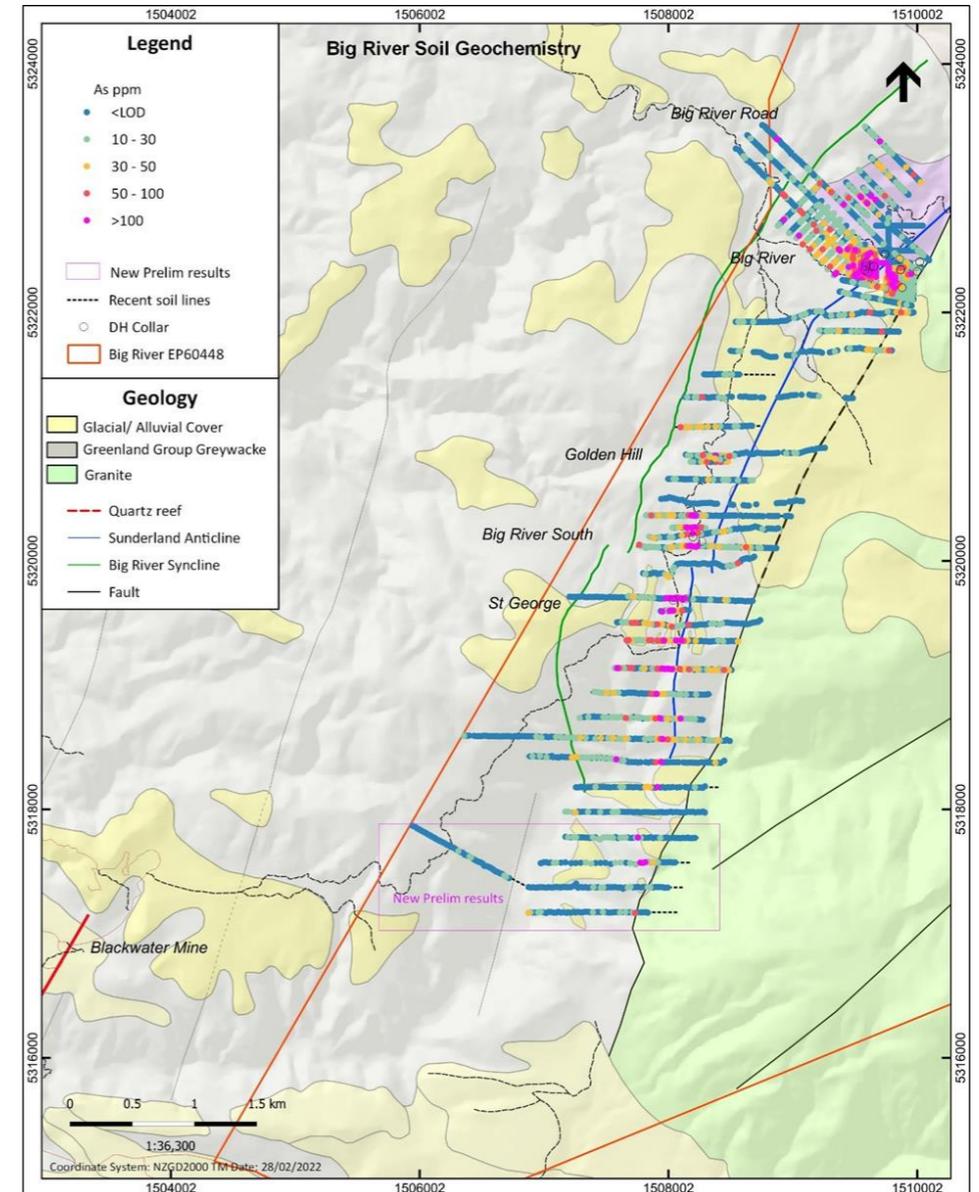
- **Historic Production 136koz @ 34.1g/t Au.**
- **Exploration Target of 100-125koz @ 7-9g/t Au.**
- **Only 1 of 6 potential shoots drilled to date.**
- **Upside potential of 250 to 500koz**

Shoot	Thickness (m)	Grade (g/t Au)	Shoot Width (m)	Shoot Plunge (m)	Tonnes (Mt)	Ounces (Koz)
Shoot 4	4.7	8.5	75	500	0.5	125
<b>Total</b>	<b>4.7</b>	<b>8.5</b>			<b>0.5</b>	<b>125</b>

**Note 1:** 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.

# St George - 4km+ Mineralised Zone

- The arsenic anomaly extends for approximately 4kms from Golden Hill and open to the south. Gold results for the bottom six lines still awaited.
- St George trend lies approximately 4kms to the east of Waiuta, where Federation Mining Limited are developing a decline to intercept the Birthday Reef 750m below the surface where the Blackwater mine ended in 1951. Blackwater produced 740koz @ 16g/t Au with Federation planning to produce an additional 700koz.
- **The Golden Hill** claim was 1.6km long where a 0.6m to 2m wide reef was found. A quartz reef was traced in a series of trenches over a strike length of 900m. A 55m long drive was developed on the northern section of the reef that averaged 0.5m thick. 39t were mined and crushed for a grade of 7g/t Au. This was considered sub economic at the time and no further exploration has been completed.
- **Big River South** was discovered in 1908 when a 45m long reef 1.5m wide with visible gold was found with similarities to the nearby Blackwater Reef. Good reef was intersected in exploration drives which pinched and swelled. On one level a 100m long gold reef was found but no further work was done to prove its extent or worth.
- **St George** was found after several gold bearing outcrops were found in 1890's. A 30m tunnel was driven on 1m thick reef with 30t recovered. Three further reefs were discovered where 16t were recovered at 72g/t Au. In 1910 571m long tunnel was driven north from the Snowy River. Several small gold reefs or quartz boulders were intersected along the drive by none were developed on. The war in 1914 stopped any further exploration.



# Golden Point – 1.5km+ Long Reef

## Golden Point Mine

- Golden Point Exploration permit granted 19 March 2021 (46.2km<sup>2</sup>).
- Reported to be a 4 foot (1m) thick reef
- Mined 1,357 tonnes in 5 trial batches to recover 410oz at an average grade of 9.4g/t between 1884 – 1908.
- The Morning Star mine lies on the same reef track 1.2km to the south but no production figures.
- Three diamond holes drilled 500m south of the Golden Point mine. GP02 intersected 2m @ 1.6g/t Au from 34m.

Year	Quartz crushed (t)	Production (Au oz)	Au Grade (g/t)
1884	2	25	357
1884	1,000	307	9.5
1894	155	44	9.1
1907	100	18	5.6
1908	100	16	5.1
<b>Total</b>	<b>1,357</b>	<b>410</b>	<b>9.4</b>



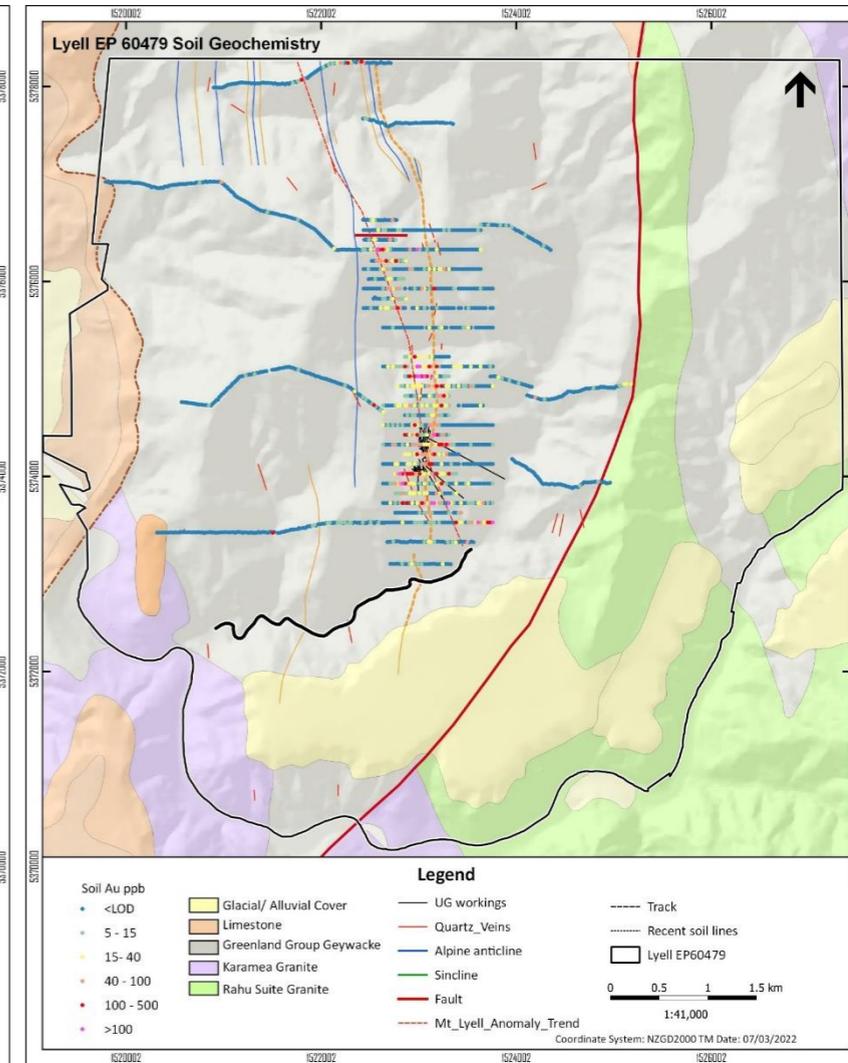
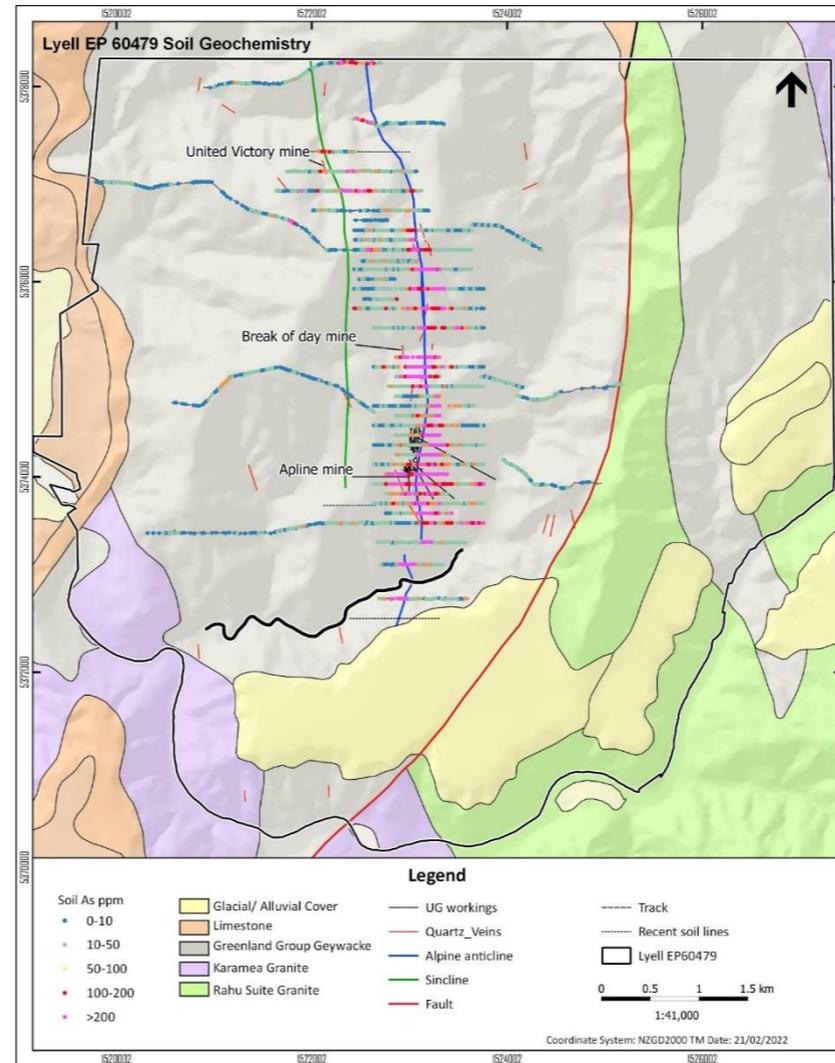
# Lyell - 5km Long Target Discovered

## The Lyell goldfield produced 91koz gold @ 18.4g/t

- The largest Alpine United was mined to a depth of 550m and produced **80,514oz gold @ 17g/t** recovered between 1874 -1911.
- Strong Au and As soil anomalies that extend for over 5kms.
- Mapping indicates that the strong arsenic soil anomaly is associated with the hinge zone of a N-S Alpine Anticline. The gold appears to lie on the west limb of the anticline north of the Break of Day mine.
- Historically nuggets up to 52 oz found at Lyell. Two nuggets of 3.7oz and 1.2oz recently recovered.



Picture: Nuggets from Lyell tenements (Source: Nelson Weekly <https://nelsonweekly.co.nz/2020/02/gold-digger-unearths-a-gem/>)



## Siren Gold Summary



- **Alexander Exploration Target of 500-700koz @ 5-7g/t Au and upside potential of 1.0 to 1.2Moz.**
- **Big River Exploration Target of 100-125koz @ 7-9g/t Au and upside potential of 250 to 500koz.**
- **Combined Exploration Target of 800koz – 950koz and upside potential of 1.2 to 1.7Moz**
- **Huge potential for significant new discoveries at Lyell and St George**

**Note 1:** 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.