



Reefton Goldfield, New Zealand

Exploration Update – 22 December 2021



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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. 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.

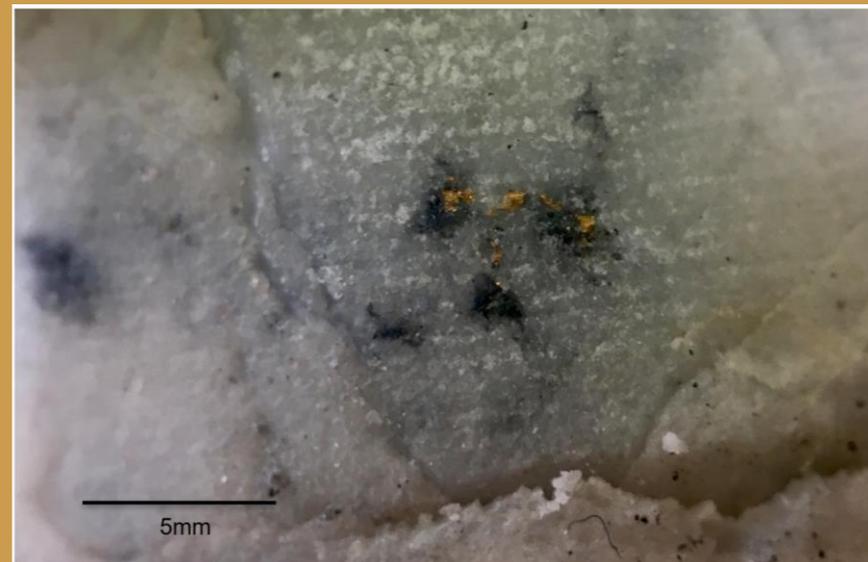
Alexander River

- 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.



Big River

- **Historic Production 136koz @ 36.1g/t Au.**
- **Exploration Target of 100-125koz @ 7-9g/t Au.**
Only 1 of 6 shoots drilled to date.
- **Upside potential of 250- 500koz.**
- **Best drill holes: 6m @ 21.4g/t, 3m @ 18.5g/t, 2m @ 12.1g/t, 6m @ 5.1g/t, 5m @ 4.2g/t Au.**
- **3km strike extension with 3 small mines and strong soil geochemistry**



Golden Point

- **1.2m thick reef with visible gold**
- **Historic Production 400oz @ 10g/t Au.**
- **As and Au soil Geochem over 2.0km strike with one soil sample returning 20g/t Au.**
- **Reef strikes parallel to and 3km west of Globe Progress mine that produced 1.1Moz Au**



Lyell

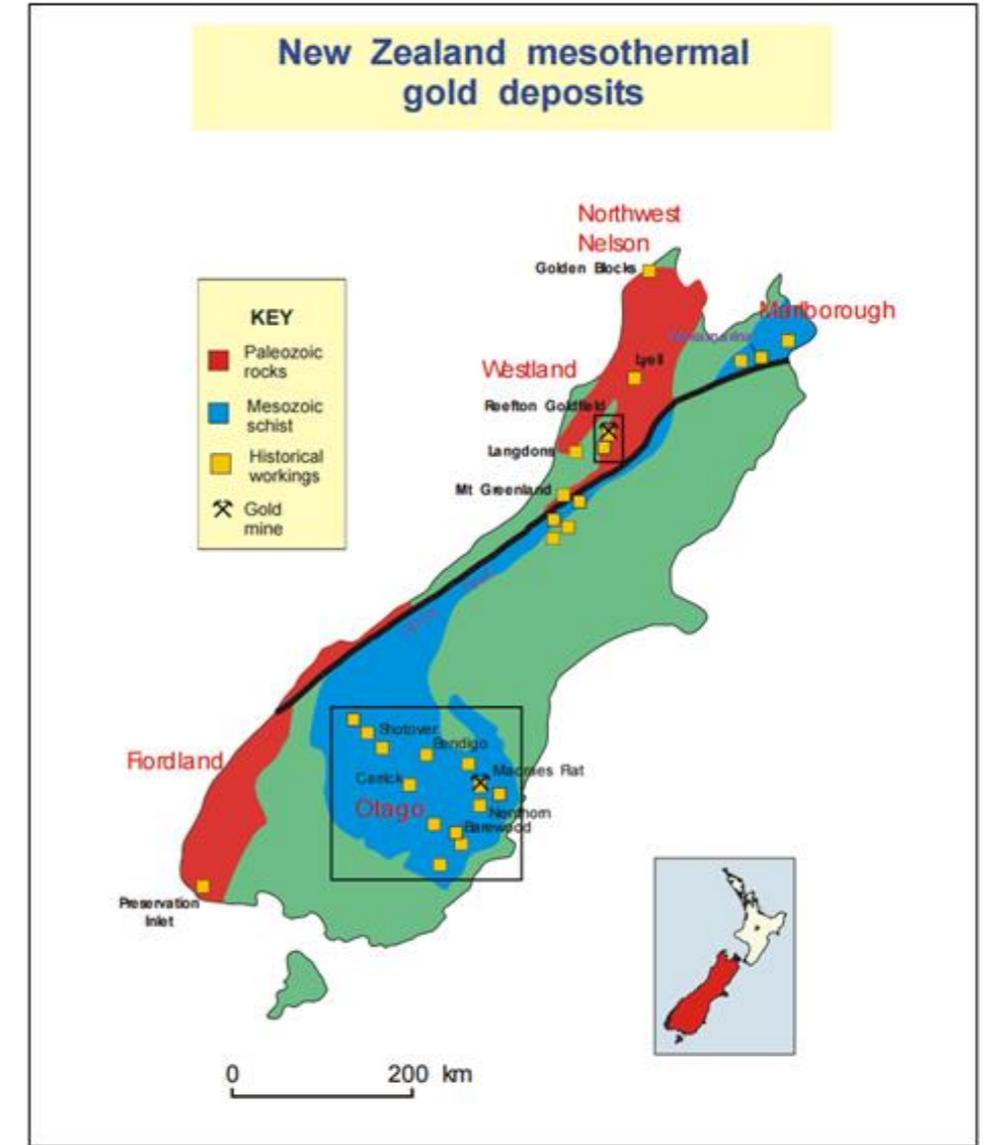
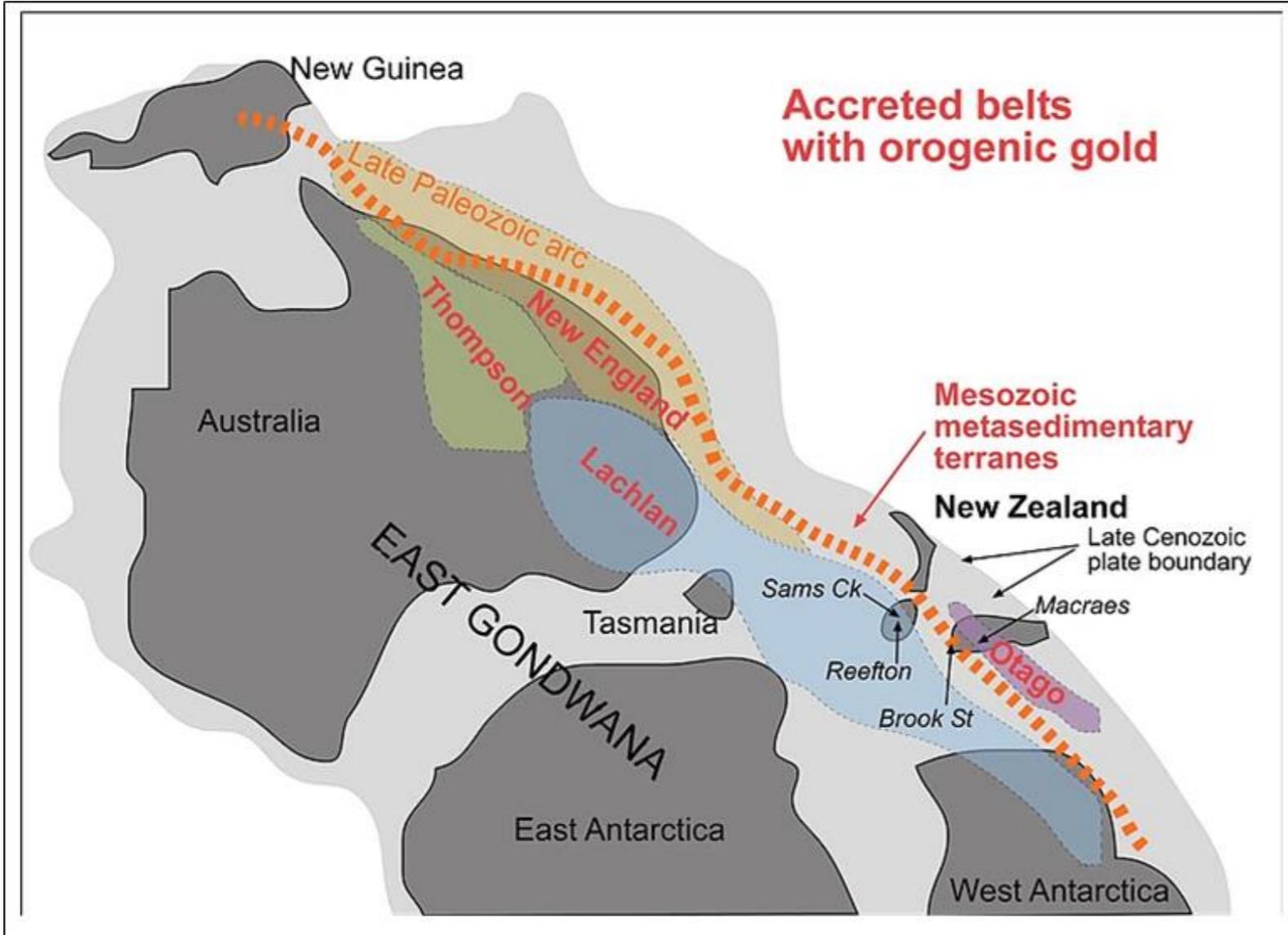
- Reinterpretation of magnetic data by Fathom Geophysics has identified a N-S structure that is spatially associated with a continuous zone of gold and arsenic soil anomalism extending over a strike length of at least 3kms.
- Historic Production 91koz @ 18.4g/t Au.
- Access agreement in Q2 2022 ahead of drilling.



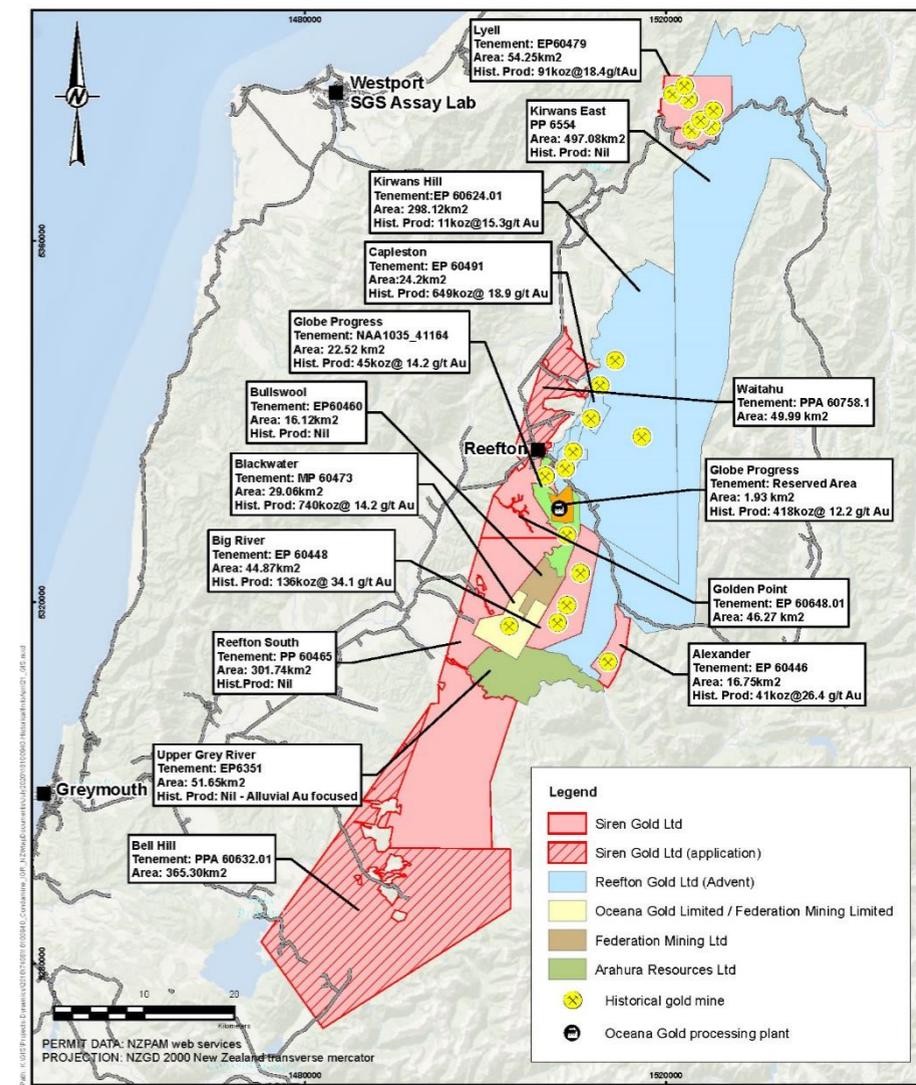
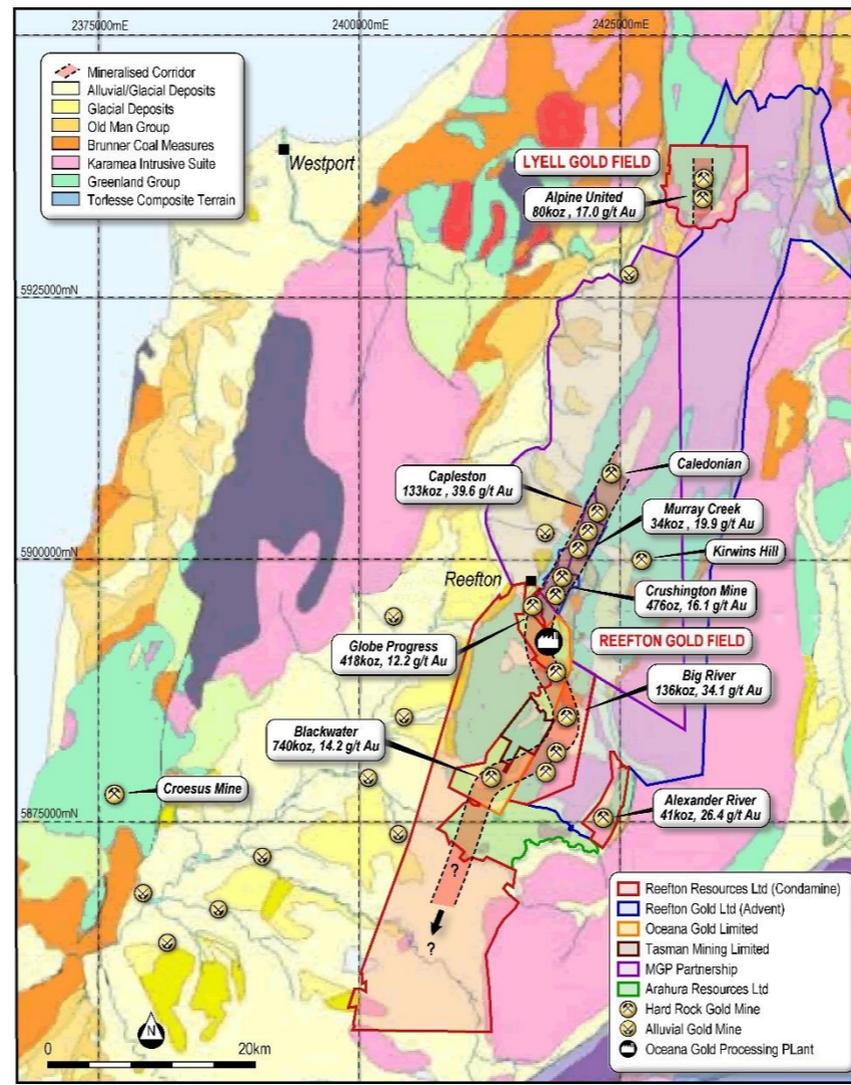
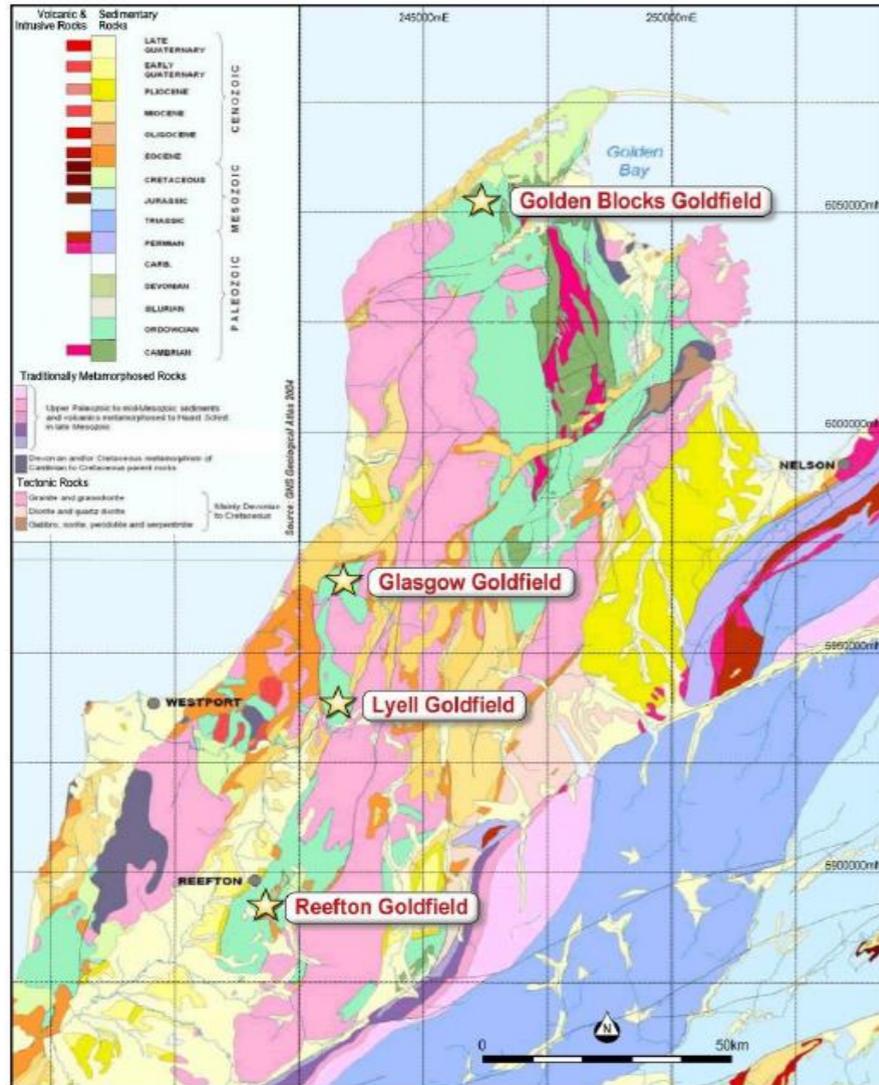
Reefton Goldfield New Zealand – Originally part of the Lachlan Fold Belt

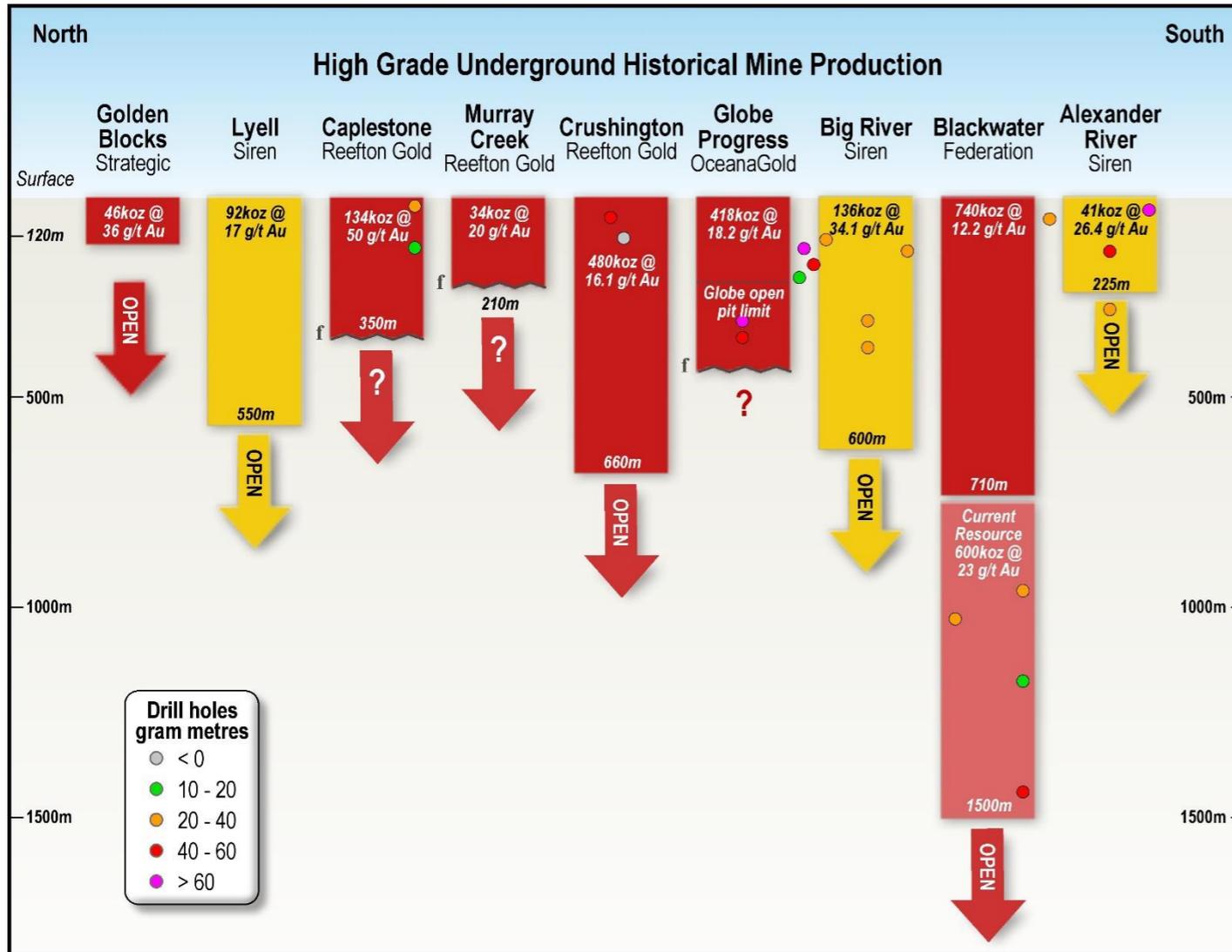


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Reefton Goldfield New Zealand





Historical Gold Production

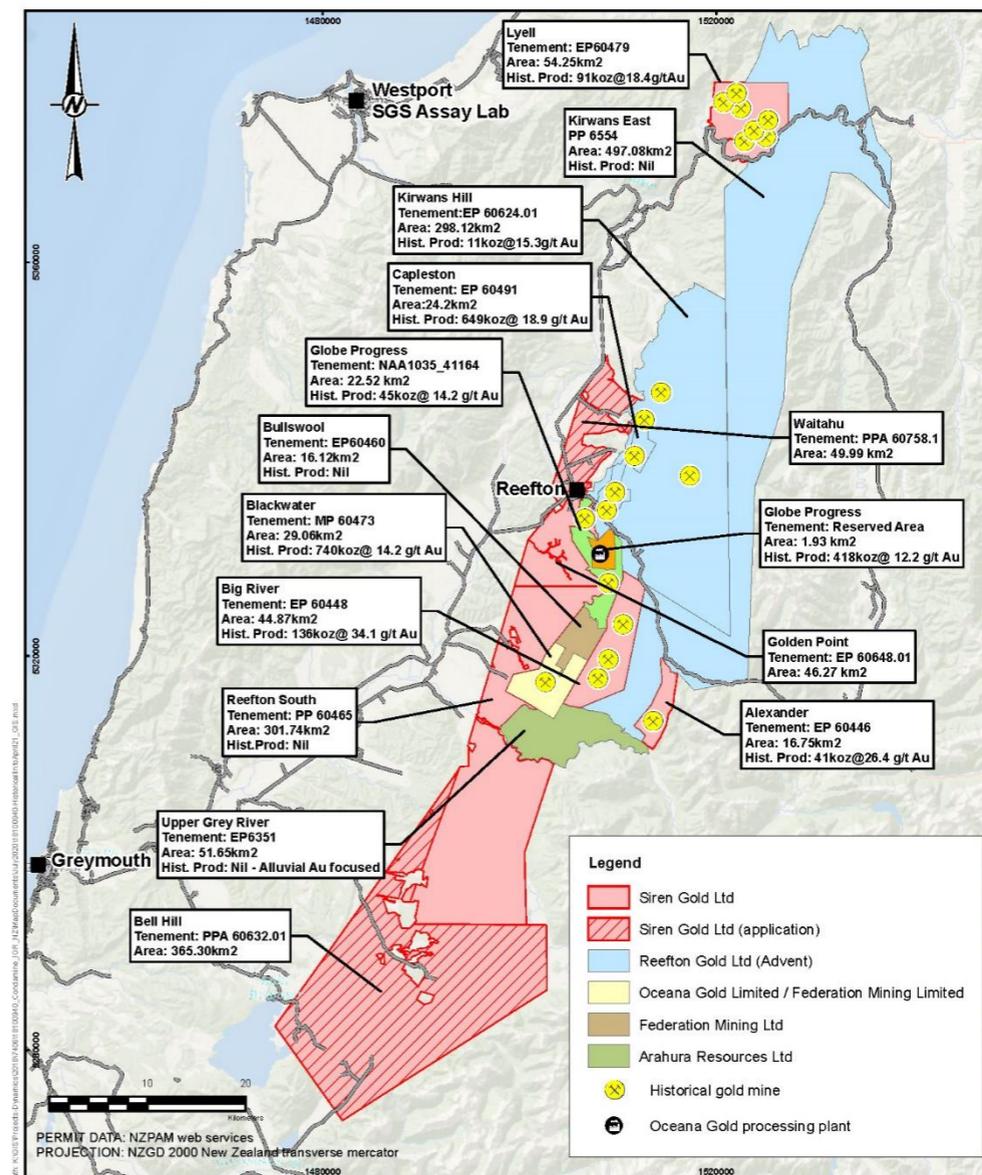
- Historic Underground production **2Moz @ 16g/t Au**. OGL's Globe open pit produced **700koz** and Federation started developing Blackwater U/G mine expected production **0.7-1.0Moz**. Alluvial gold production estimated at **8Moz**. Historical and near-term production **11.5Moz**.
- Federation Mining developing the Blackwater Reef which extends to 1,500m below surface and open at depth.
- Blackwater and Alexander only two mines with a drillholes below the bottom of the historic mines.
- Very limited drilling generally below 250m.
- Recent drilling by Siren Gold intersected strong mineralisation at 375m at Big River (6.3m @ 3.4g/t Au and 6m @ 4g/t Au (325m) with mineralisation still open at depth.
- Recent drilling by Siren Gold at Alexander intersected 8.5m @ 11g/t Au, 3m @ 10.8g/t Au and 2m @ 26.8g/t Au with mineralisation still open at 300m depth.

Outcropping Mineralisation

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

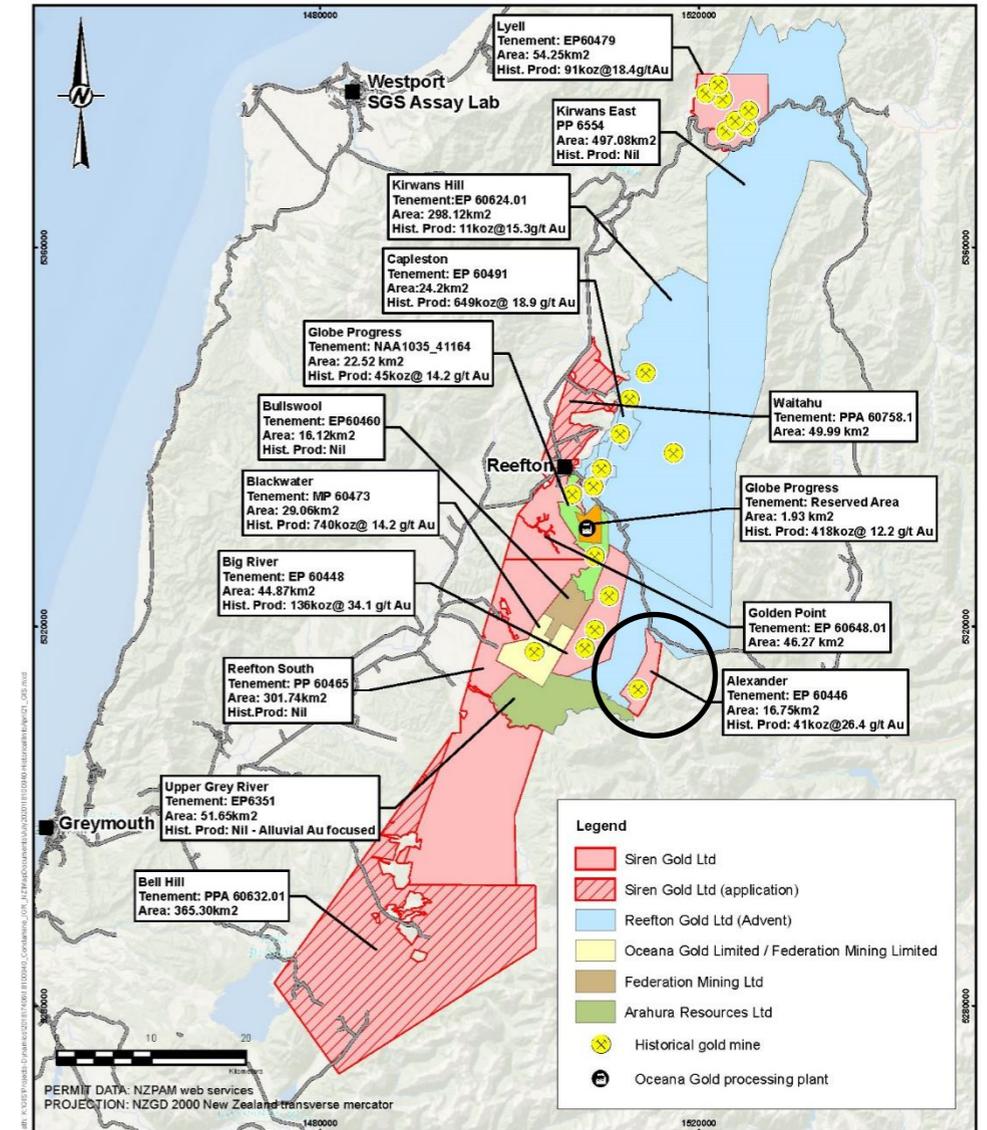
Buried Mineralisation

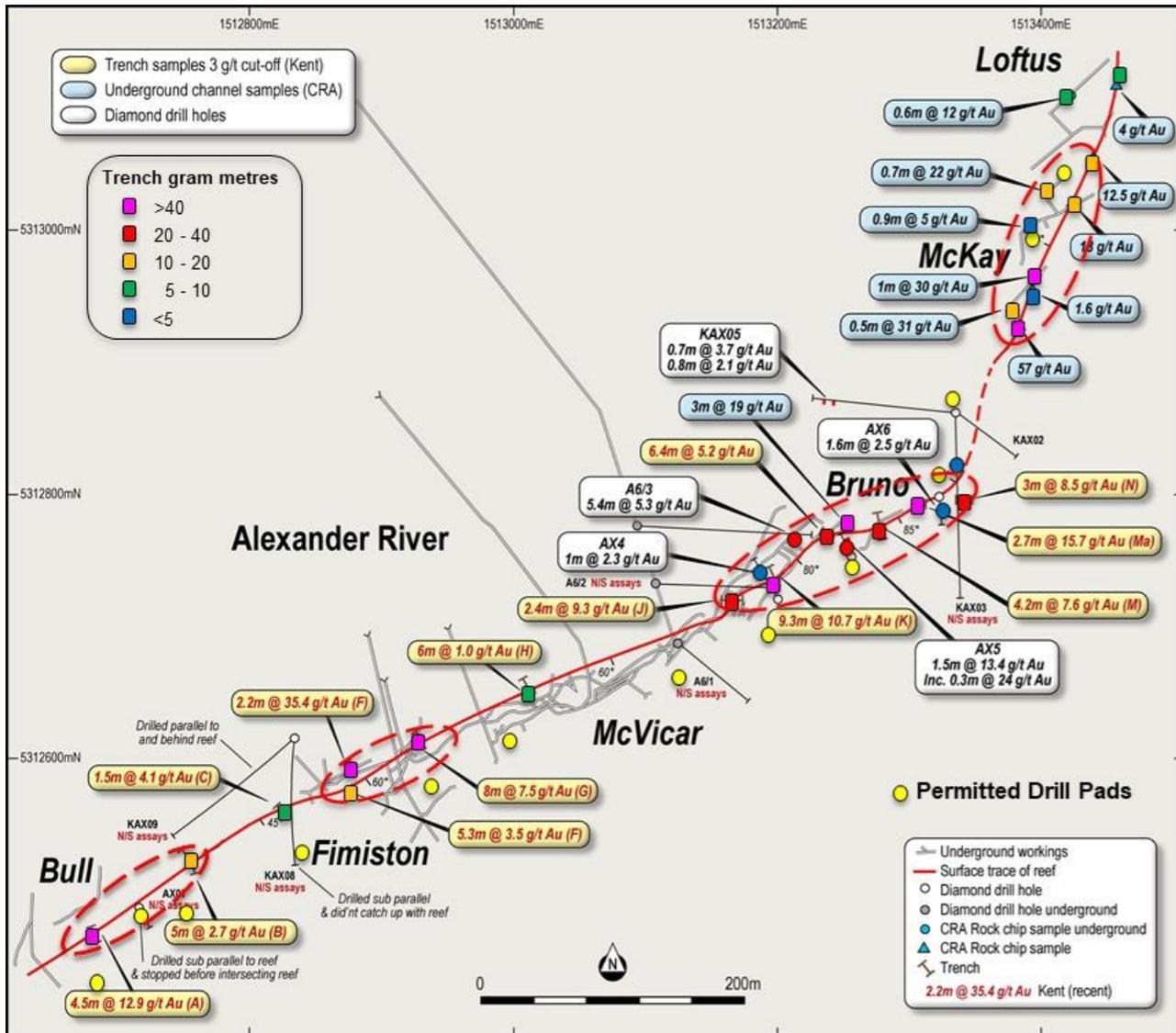
- Reefton South
- Bell Hill
- Waitahu



Alexander River - 1.2km+ long outcropping quartz reef

Produced 41koz at 26.4g/t Au (cut off ~15g/t Au).





Geology

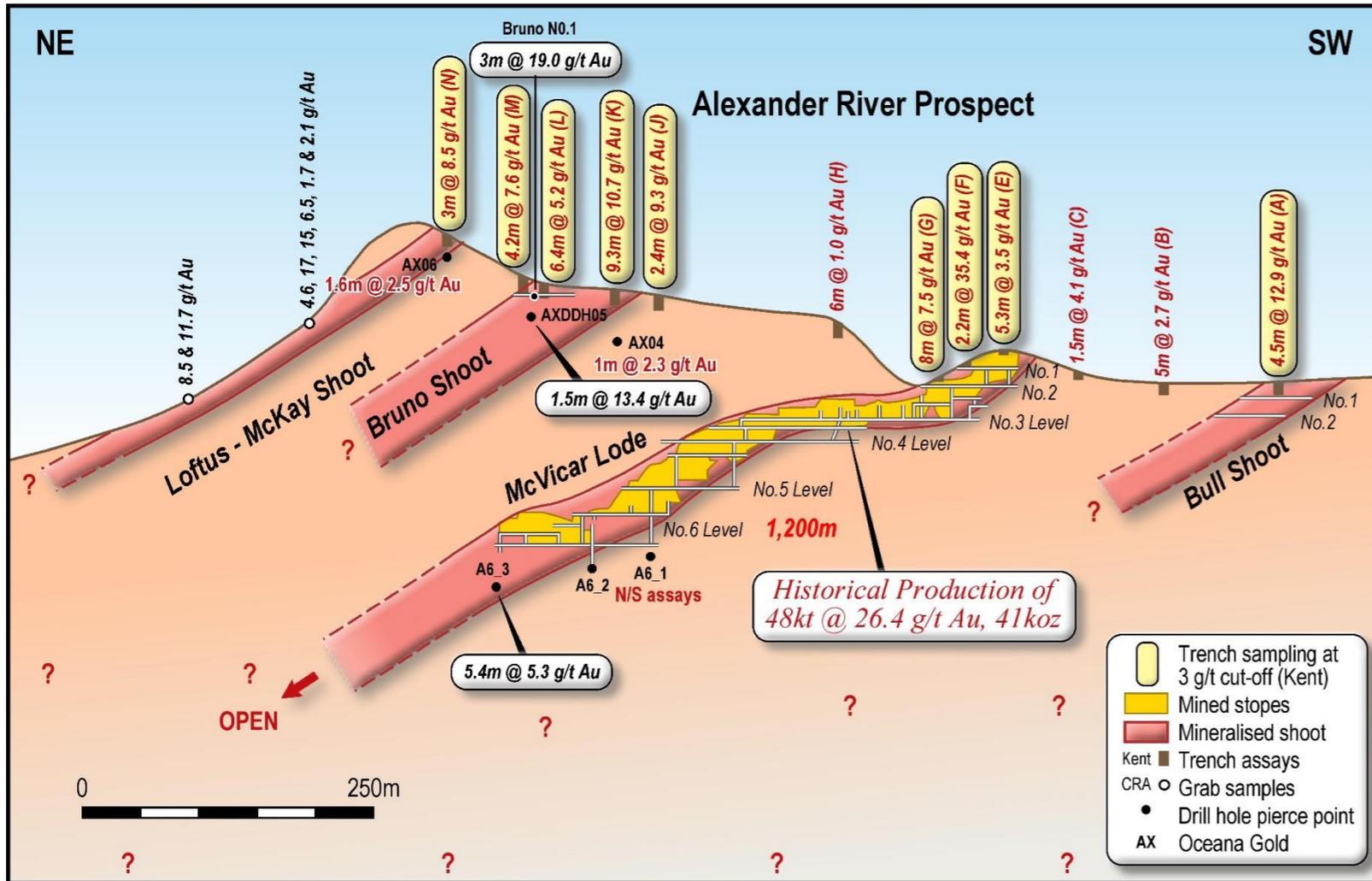
- **1.2km outcropping mineralised zone**, comprising discontinuous quartz reefs surrounded by silicified acicular arsenopyrite mineralised sandstone and siltstone.
- Mineralised zone divided into Bull, Fimiston, McVicar, Bruno, McKay and Loftus prospects.
- The mineralisation's dips to the **SE** between Bulls and Bruno and **NW** between Bruno and Loftus.

Historical Production

- **41koz @ 26.4 g/t Au** recovered grade from the McVicar Mine between 1920 and 1943.
- 1-2m thick SE dipping quartz reef mined to 260m depth in a shallow (25°) ENE plunging shoot that was **mined down plunge for 400m**.
- Only limited mining at the other prospects.

Trenching

- CRAE trenched the outcropping reef between Bulls and Bruno (800m of 1,200m strike) in 1980's which averaged **3.3m @ 9.3g/t Au** at a 3g/t cut-off. The trenches were re-sampled by Kent in 2011 and averaged **3.8m @ 8.0g/t Au**.
- CRAE completed underground sampling of a quartz reef in the Loftus & McKay adits 0.5-1.0m thick ranging from **4 to 57g/t Au**.



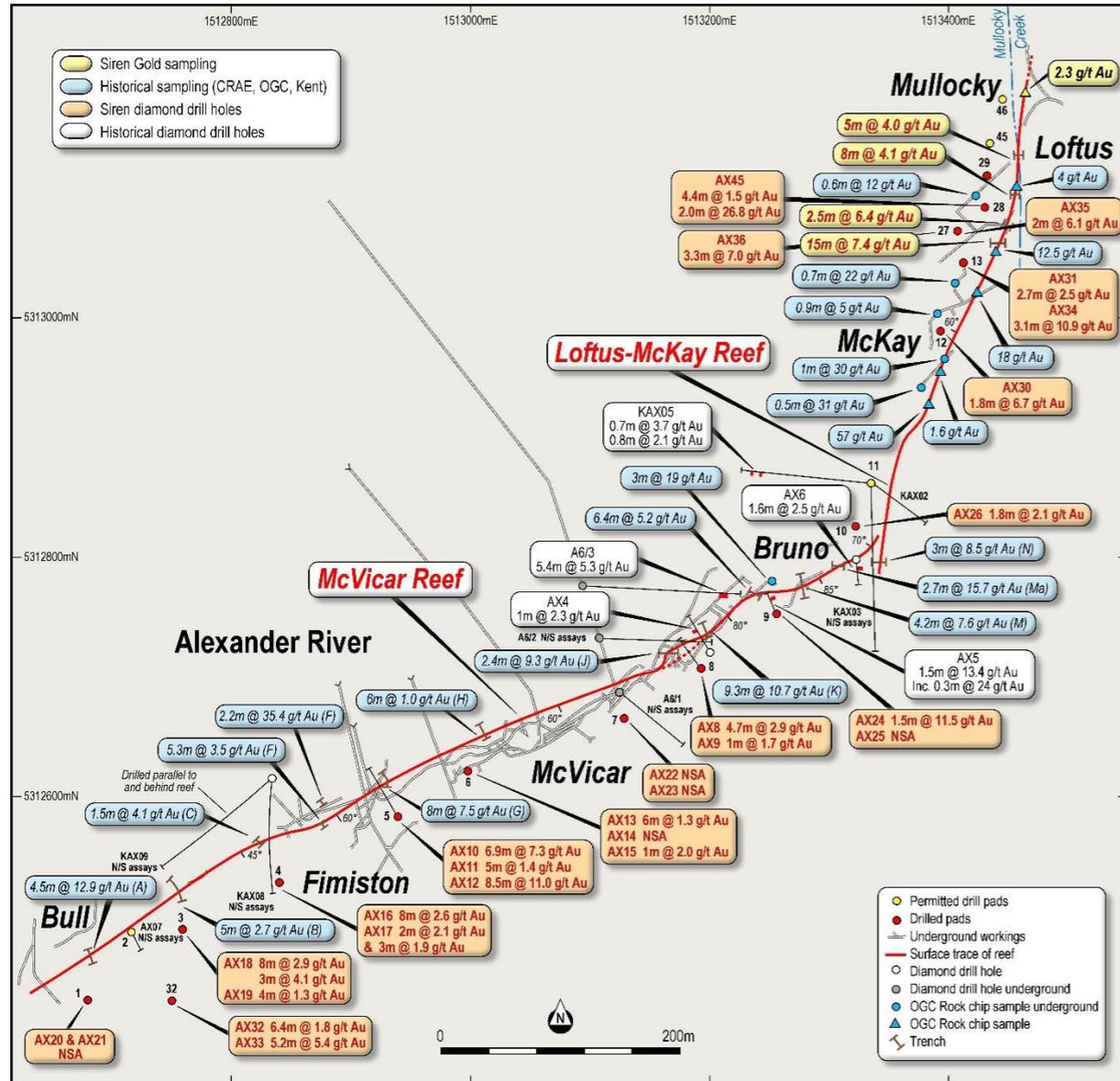
Diamond Drilling

- Drilling completed by Macraes Mining Company Limited (MMCL) predecessor to OceanaGold Ltd in the 1990's and Kent Exploration in 2011.
- MMCL refurbished the lowest level (L6) of the **McVicar** mine and drilled three holes from underground. A6-3 intersected a 5m thick quartz reef (**5.4m @ 5.3g/t Au**), 26m below L6 indicating that the shoot continues at depth.
- MMCL also drilled 3 shallow surface holes at Bruno with AX5 intersecting **1.5m @ 13.4 g/t Au** from 27m. They also drilled a hole at Bull but did not intersect any mineralisation.
- Kent drilled 10 diamond holes generally at orientations that would not intersect the reef and only 1 hole intersected mineralisation 0.7m @ 3.7g/t Au from 229m.

Mineralised Shoots

- Four shoots interpreted; **Bull, McVicar, Bruno** and **Loftus-McKay** from trench, u/g sampling and limited drilling.

Alexander River - Siren Gold Exploration 14 Months Post IPO



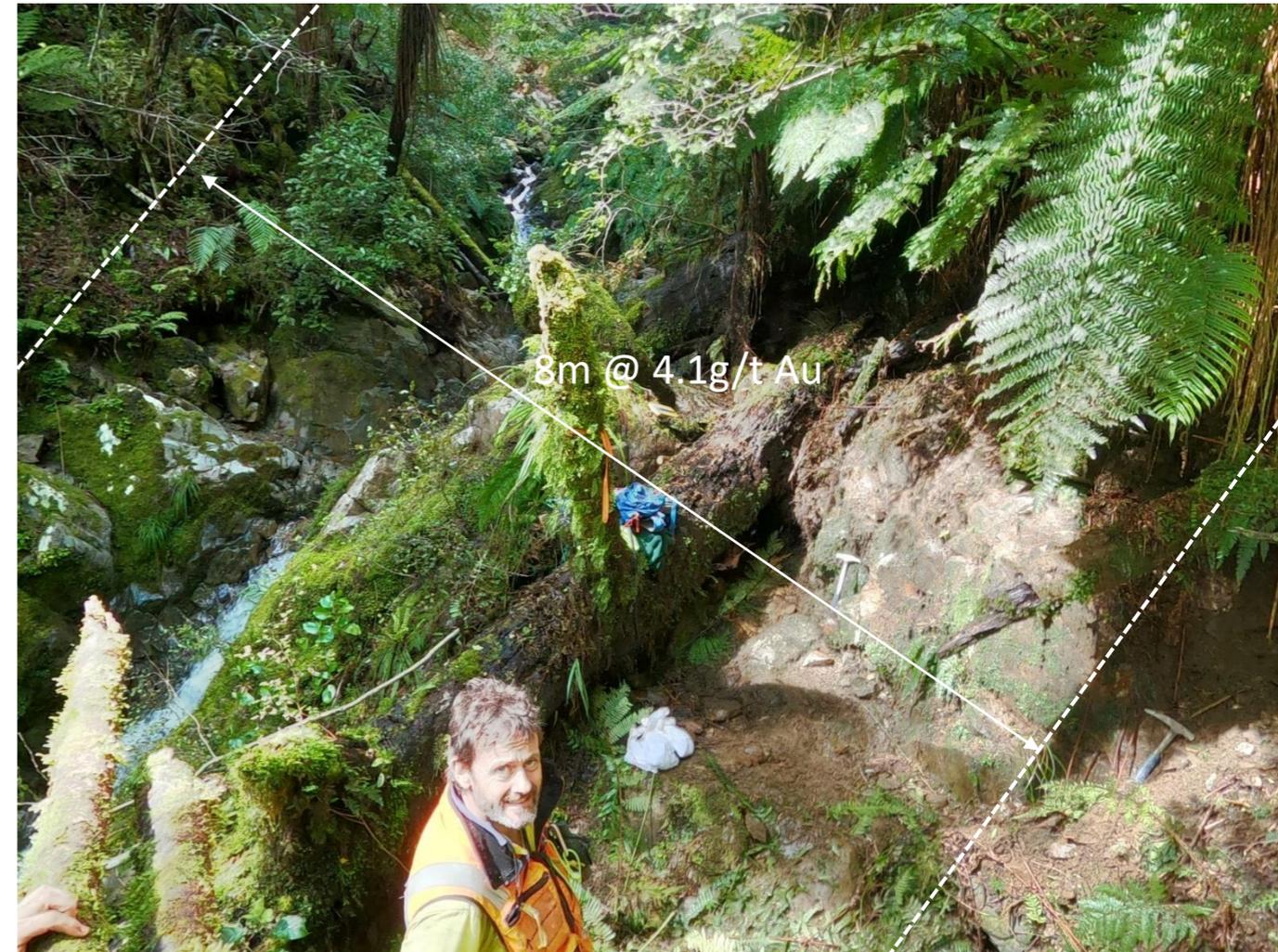
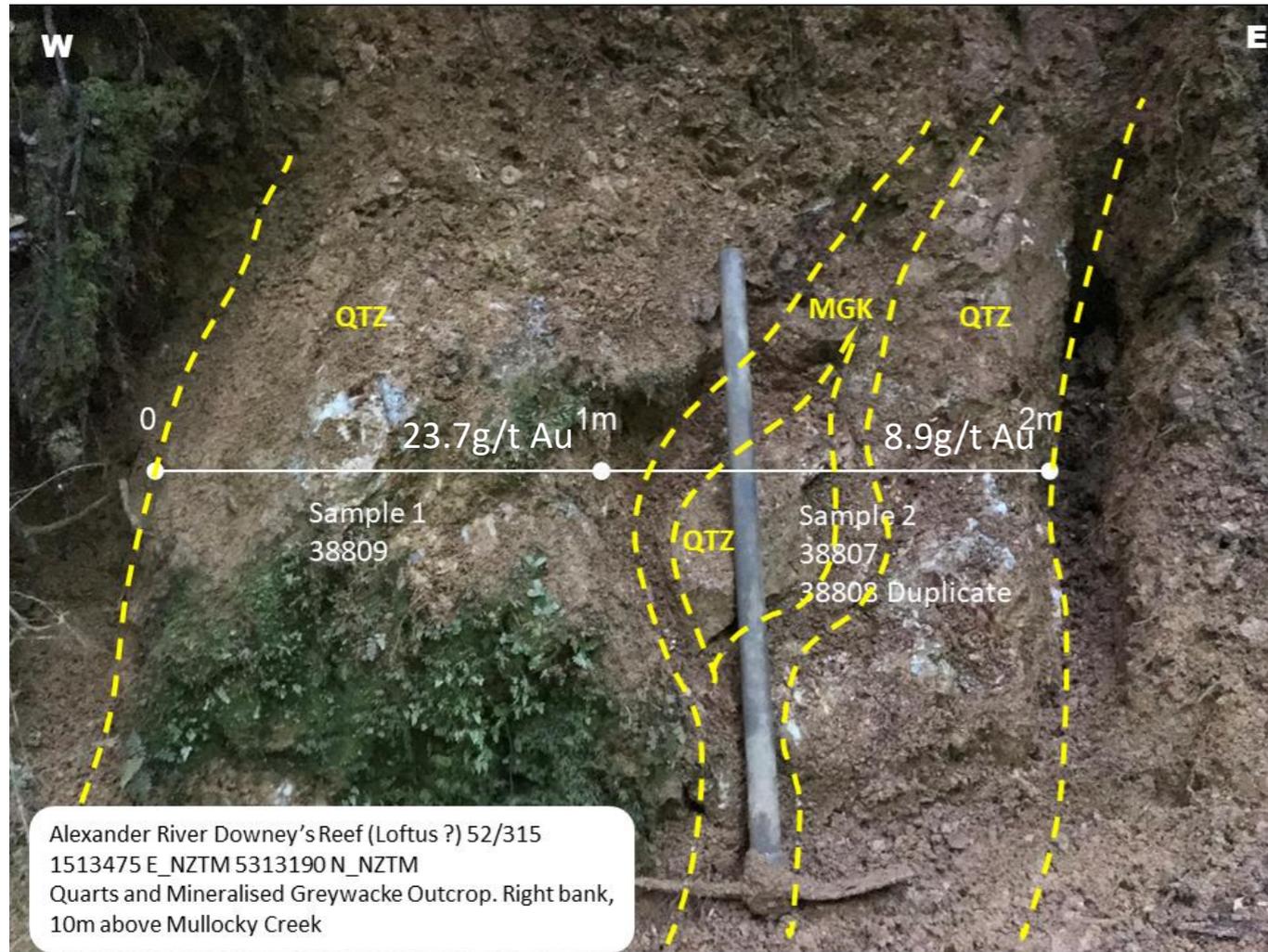
Work Completed

- Mineralisation and structural mapping over mineralised zone and 1.5kms to the north.
- Extensive soil sample to the NE, NW and SE.
- Channel sampling of the outcropping Loftus-McKay reef.
- 72 diamond drillholes completed for 8,630m.
- Reprocessing of IP - Resistivity survey.

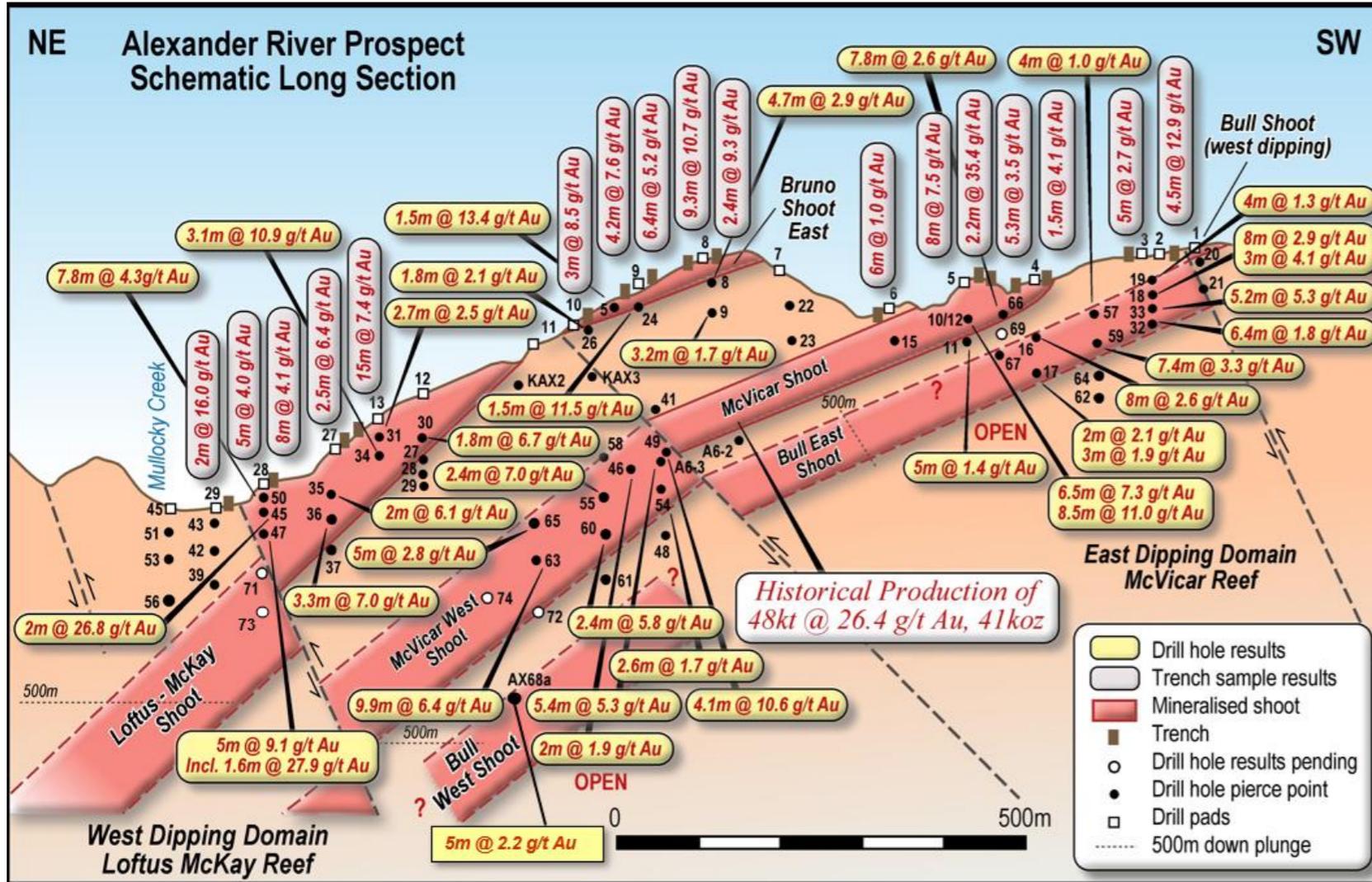
Channel Sampling

- A number of mineralised outcrops found along 250m of strike at Loftus-McKay:
 - 15.0m @ 7.4g/t Au
 - 2.0m @ 6.1g/t Au
 - 2.5m @ 6.4g/t Au
 - 8.0m @ 4.1g/t Au
 - 5.0m @ 4.0g/t Au
 - 2.0m @ 16.0g/t Au

Alexander River - Siren Gold Exploration Post IPO



Alexander River - Siren Gold Exploration Post IPO

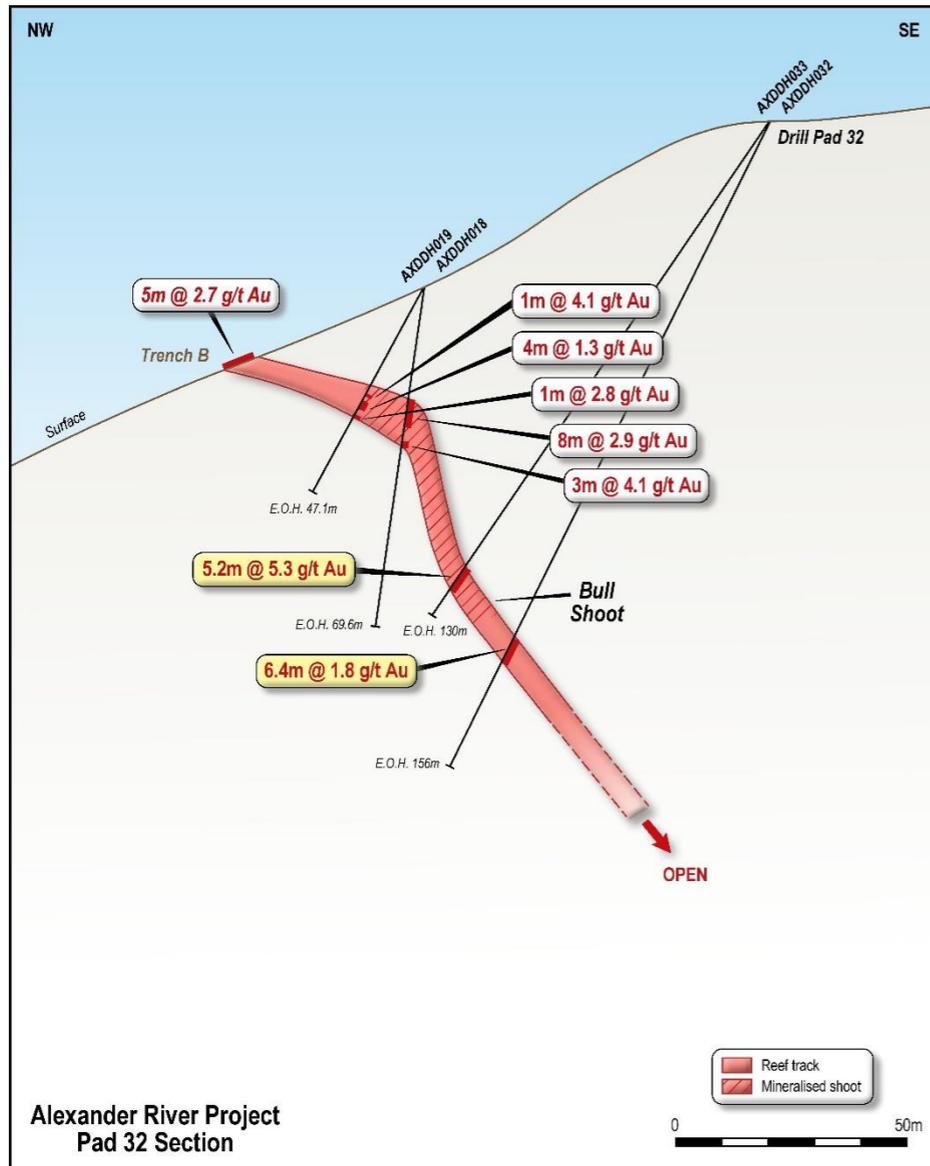


Drilling

- Aim to confirm trench results and better define the orientation of Bull, McVicar, Bruno and Loftus McKay shoots.
- Drill tested the 1.2km strike on 100m centres.
- 72 holes for 8,630m completed to date.

Mineralised Shoots

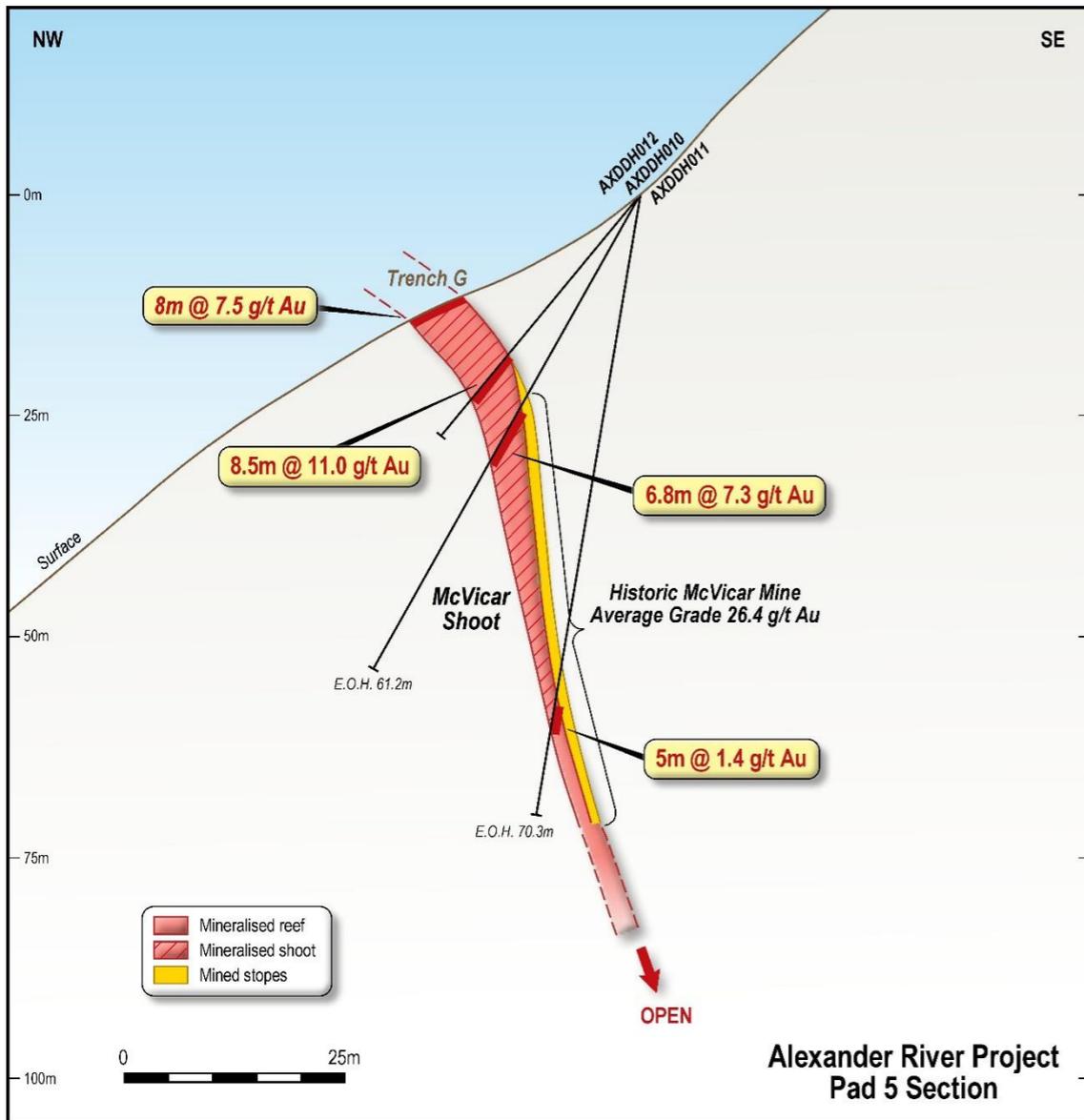
- **Bull, McVicar and Bruno** are east dipping shoots with a shallow NNE plunge confirmed by drilling.
- The **Bruno** shoot is a small remnant with most of it eroded.
- The **Bull** and **McVicar** shoots are interpreted to be around 75m high separated by 50m of lower grade mineralisation.
- The **Loftus-McKay** and **McVicar West** shoots dip to the west and plunge to the NE. The change from SE to NW dipping reefs is probably fold/ fault controlled.
- The Loftus-McKay and McVicar West shoots are interpreted to be around 150m high and plunge 45° NE.
- New **Bull West** shoot intersected in AX68a.



Bull Shoot

- Bull reef dips moderately to SE with the Bull shoot approximately 75m high but not well defined.
- The outcrop sampled by CRA and returned **4.5m @ 12.9g/t Au**. Drillholes AX20 and AX21 drilled under the outcrop but didn't intersect any mineralisation. Since discovered the reef changes to a NW dip between Pads 1 and 3 so holes drilled into footwall. We are now tracing the NW dipping Bull reef to the SW.
- Limited drilling below the Bull shoot also indicates that its is moderately mineralised with potential for additional shoots below Bull. AX20 and AX21 intersected granite dykes and ground magnetic surveys indicated extensive granite mineralisation to the SW that would mask the surface expression of any deeper shoots.
- No quartz reefs were intersected in AX16 (**8m @ 2.6 g/t Au**), AX18 (**8m @ 2.9g/t Au** and **3m @ 4.1 g/t Au** and AX32 (**5.2m @ 5.3g/t Au**), comprised silicified disseminated acicular arsenopyrite mineralised sandstone.

Alexander River - Siren Gold Exploration Post IPO



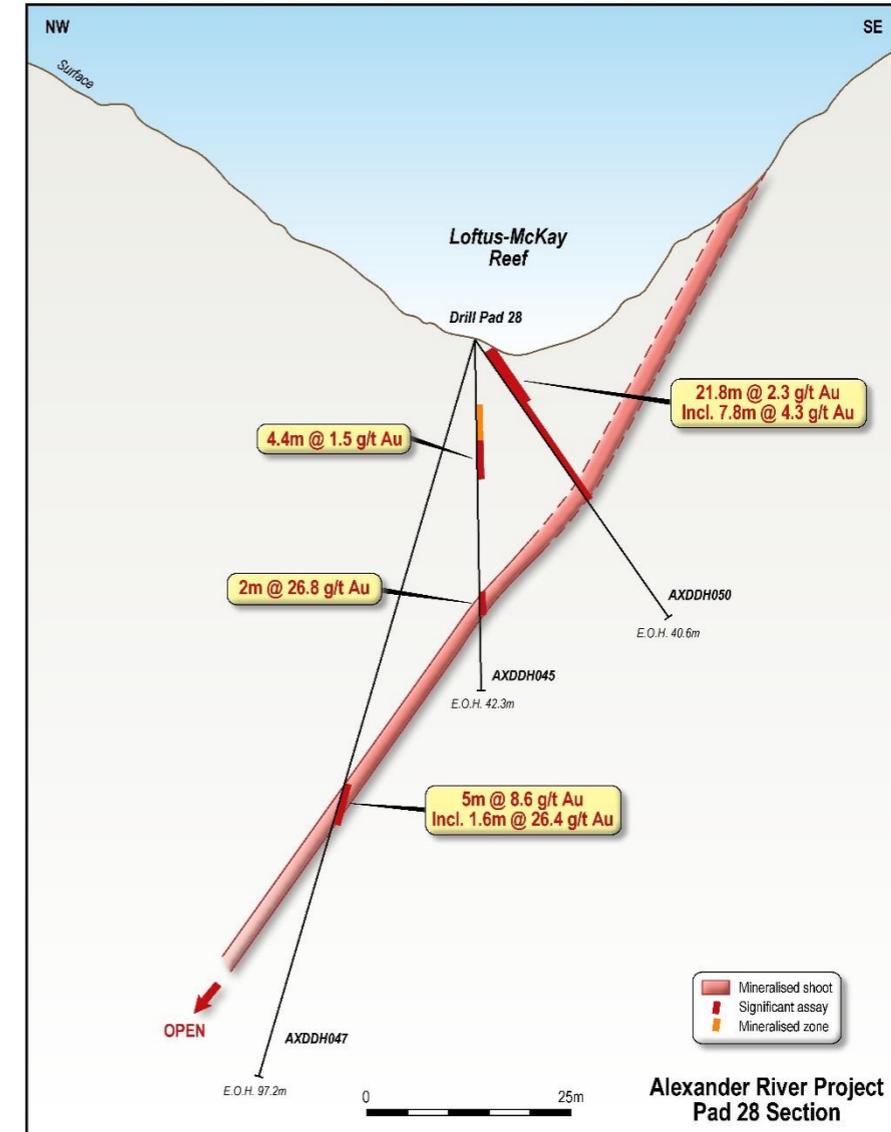
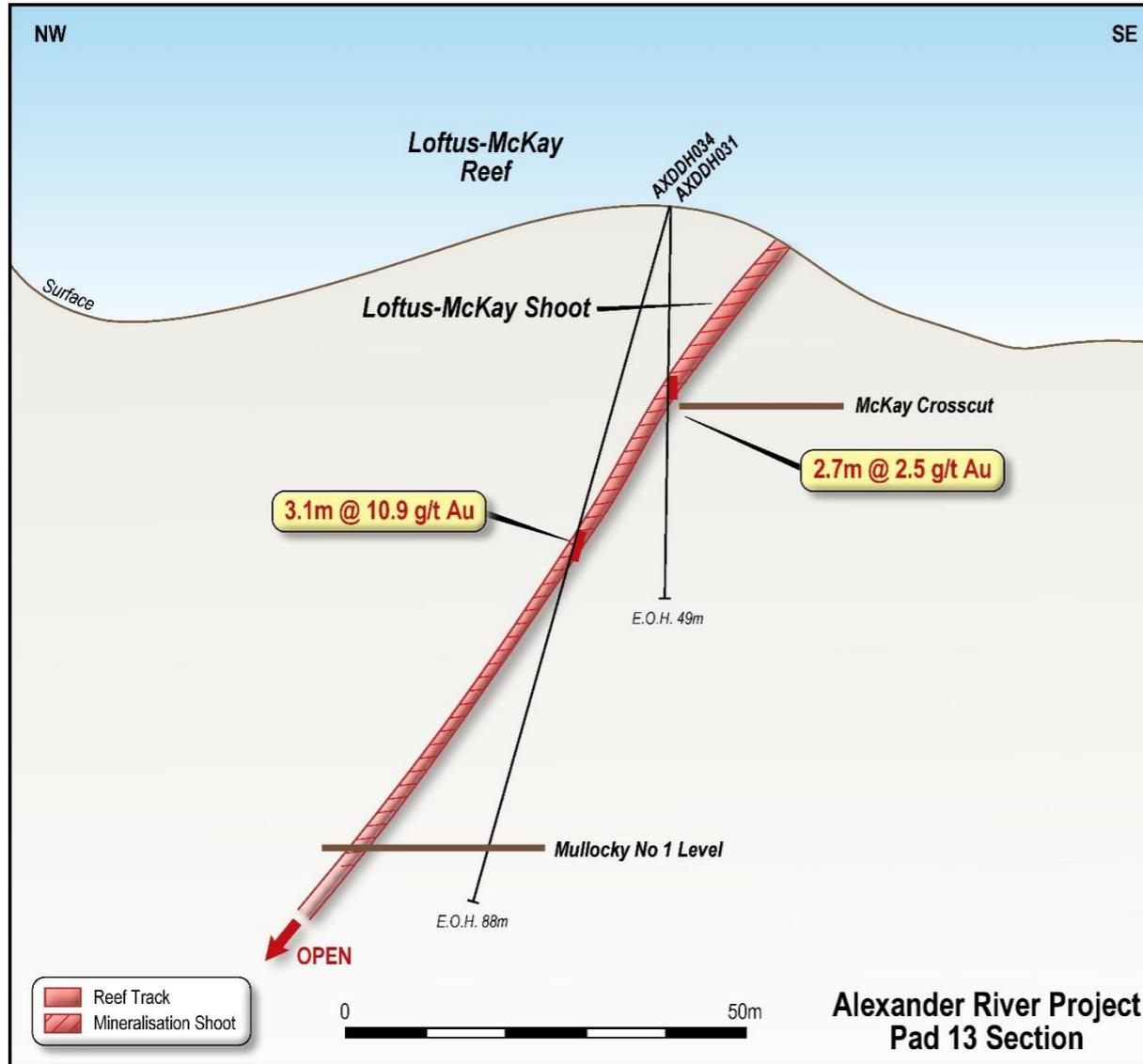
McVicar East Shoot

- McVicar East reef dips steeply to SE with the Bull shoot approximately 75m high based on the underground mine workings.
- Historical production based on a 1-2m thick quartz reef that averaged 26.4 g/t. The disseminated mineralisation seen in trenches and drillholes wasn't mined.
- AX10 (**6.9m @ 7.3 g/t Au**) intersected a stope (mined reef) with a 0.2m reef on the wall that assayed 31g/t. The footwall mineralisation averaged 6.7m @ 6.6g/t Au.
- AX11 was drilled above the stope and intersected **8.5m @ 11.0g/t Au**.
- Both these drill hole intersections are similar to the trench result (**8m @ 7.5g/t Au**).
- The Bull shoot would be below the McVicar shoot off the section.

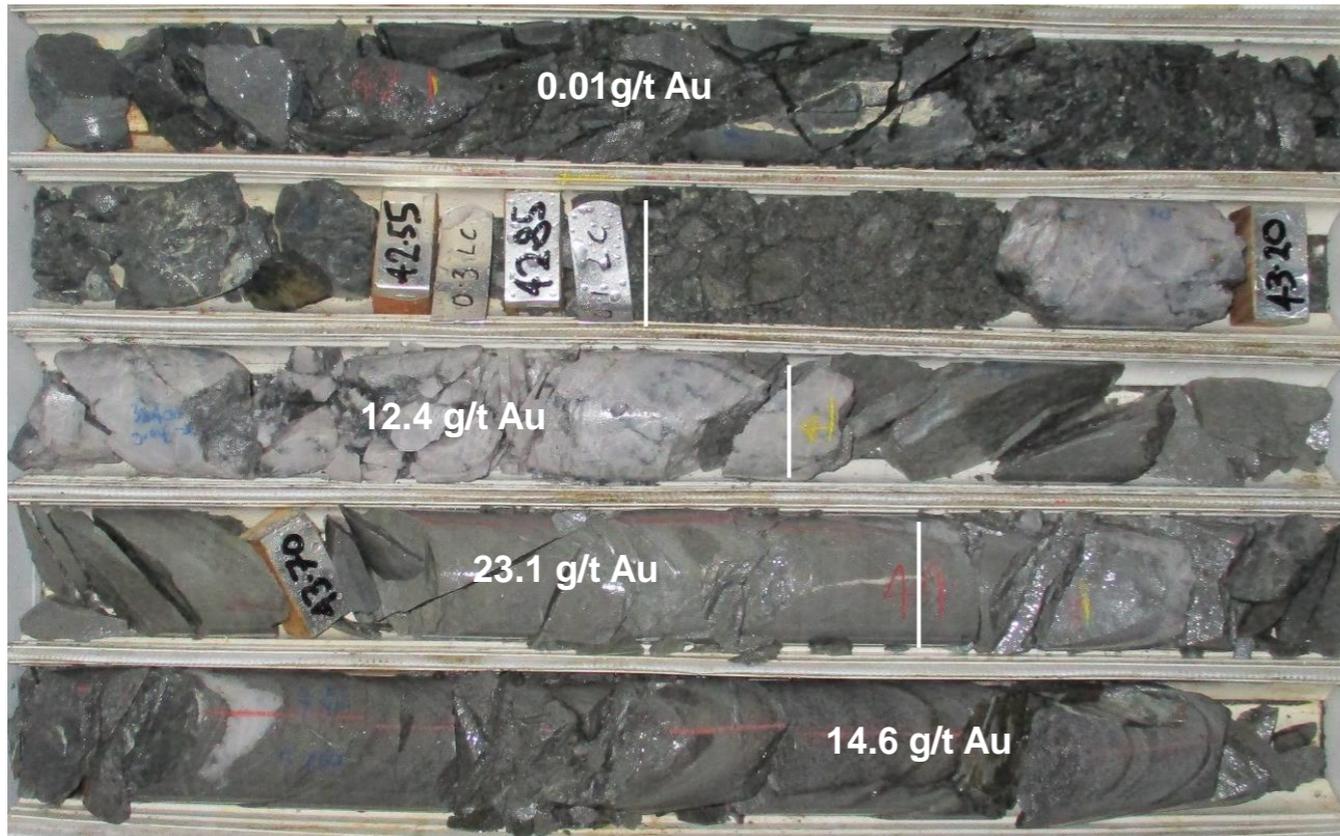
Alexander River – AXDDH012 Core



Alexander River – Loftus McKay Sections

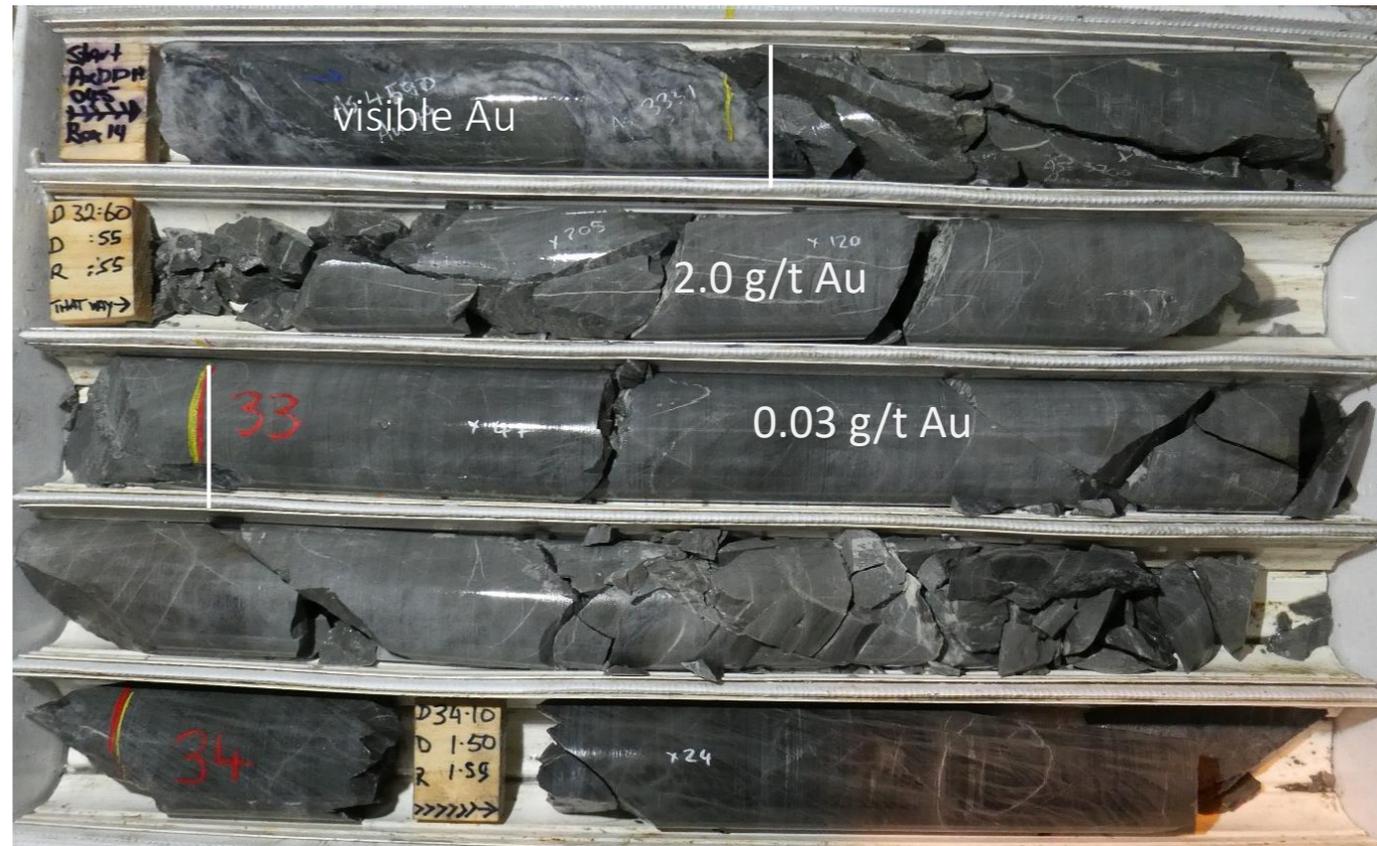


AXDDH034 (3m @ 10.8 g/t Au)



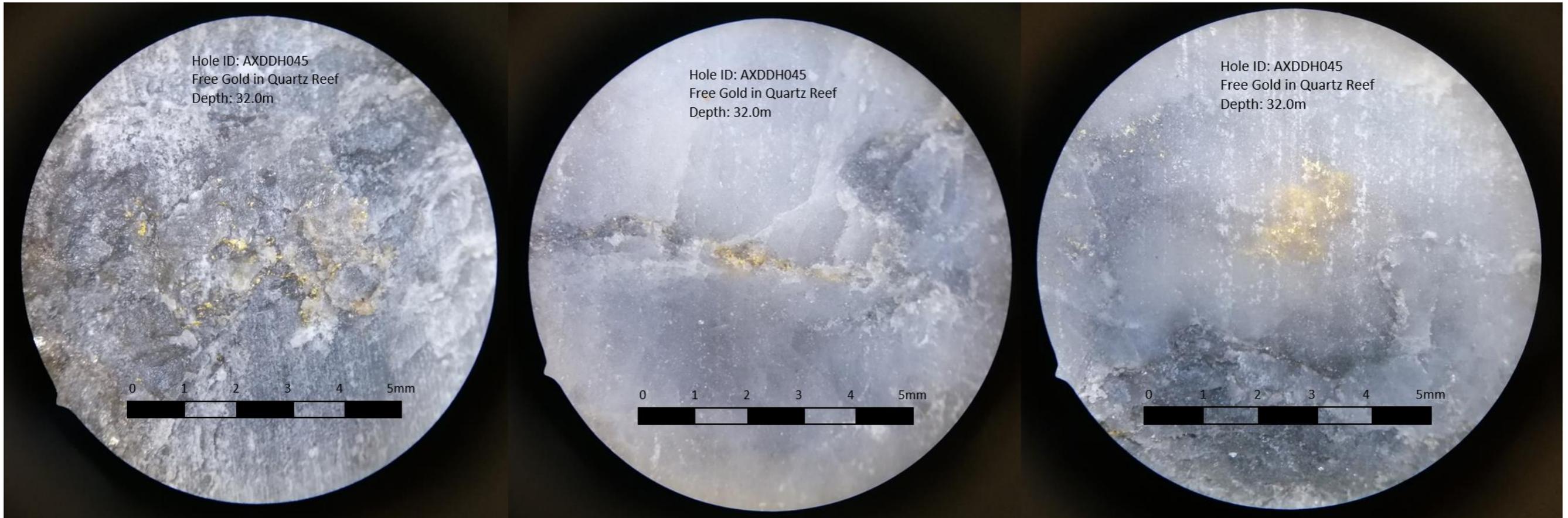
Alexander River – AXDDH045 Core (Loftus McKay)

AXDDH045 (2m @ 26.8 g/t Au)



Alexander River – AXDDH045 Core (Loftus McKay)

Visible Gold in core



Alexander River – AXDDH049 Core (McVicar West)



AX6-3 Core



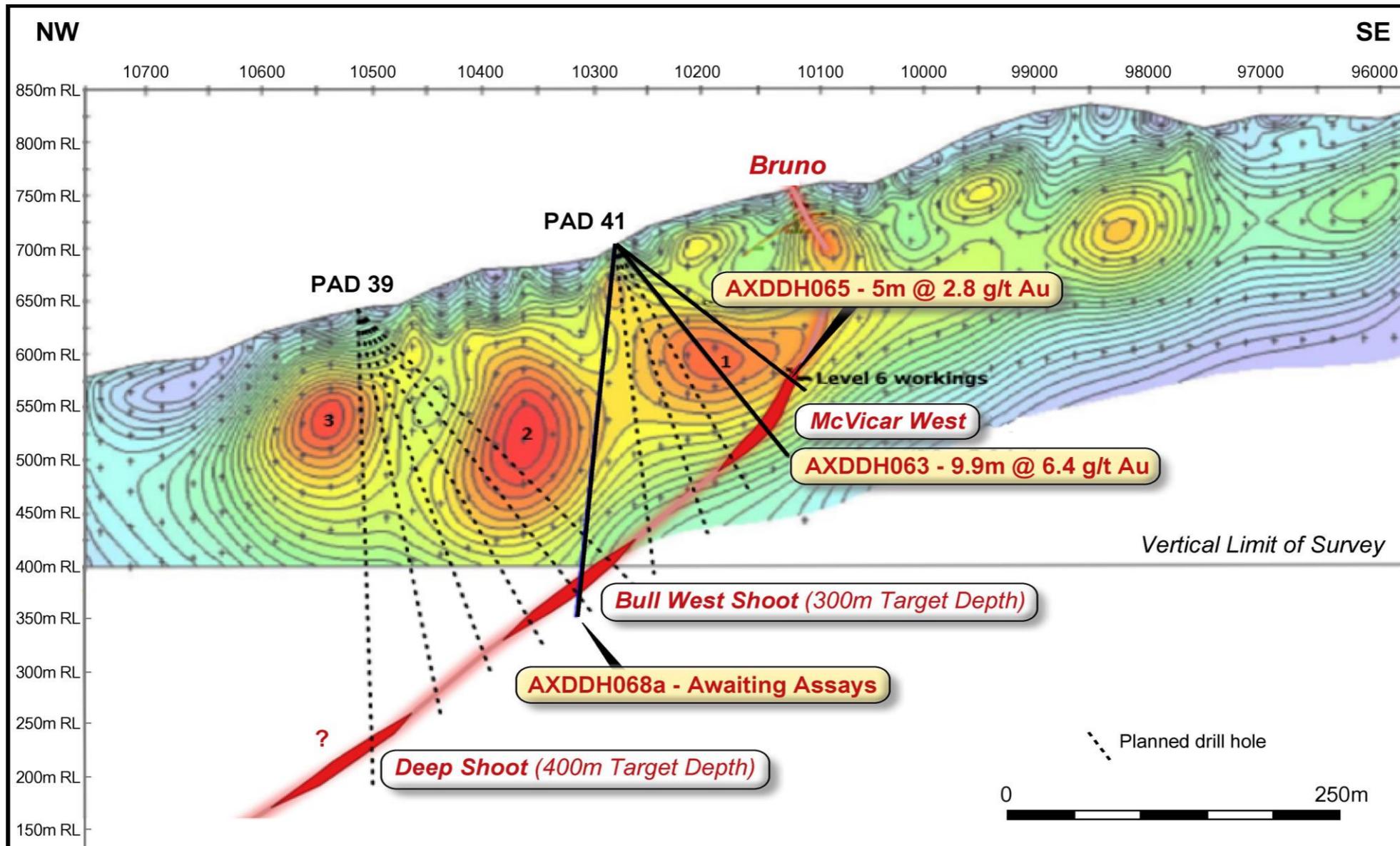
Alexander River – AXDDH049 Core (McVicar West)



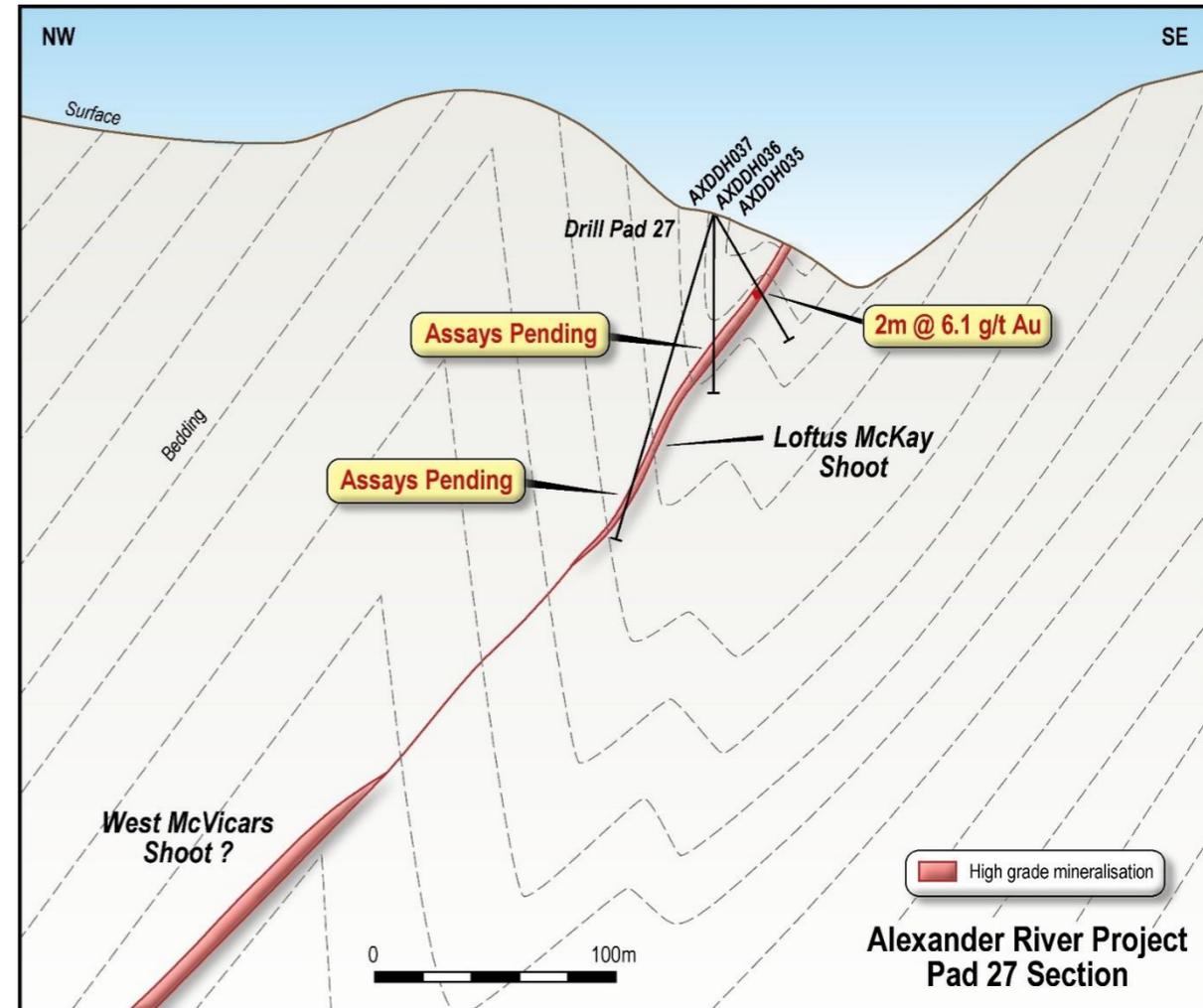
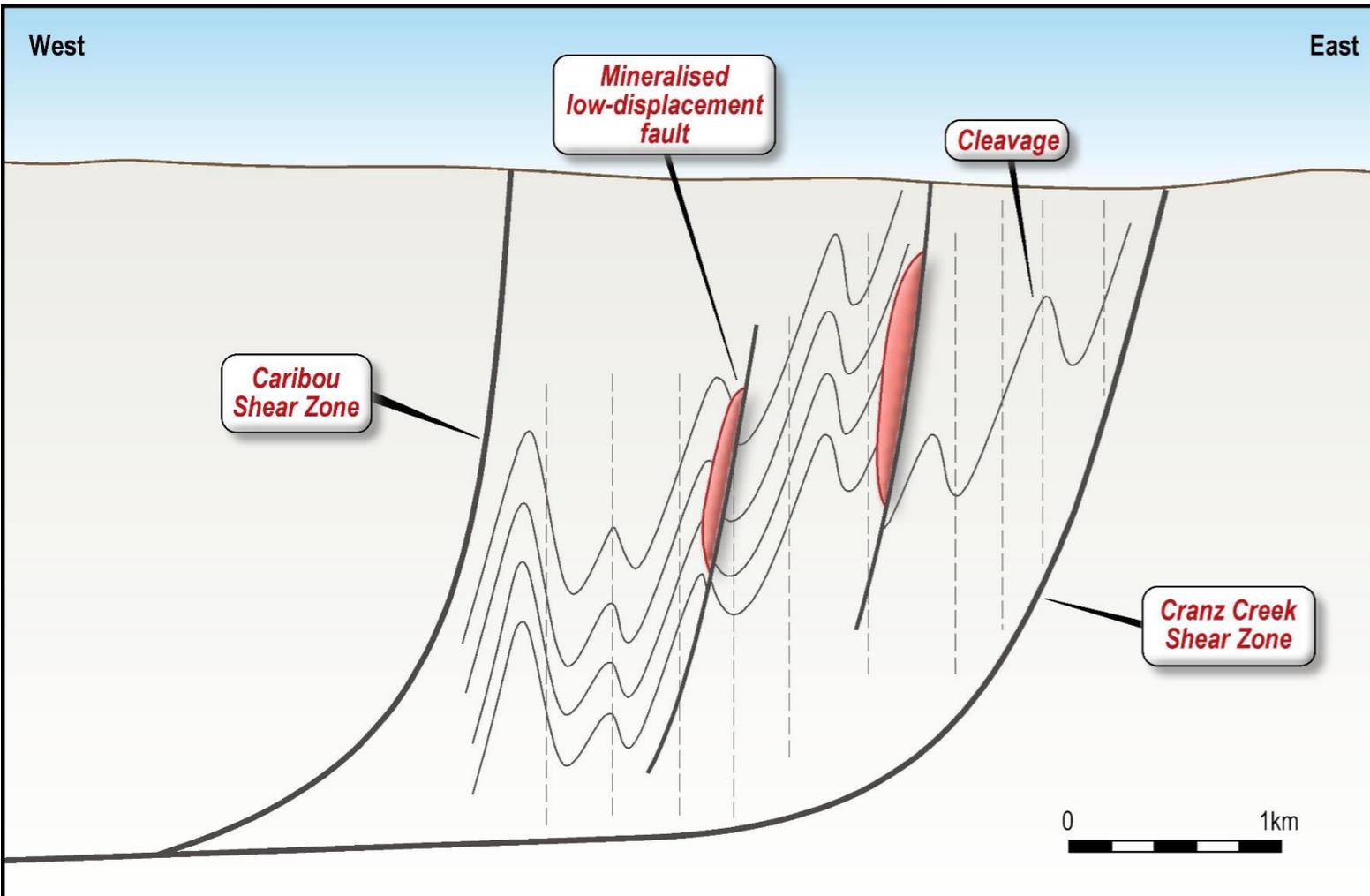
Alexander River – AXDDH063 Core (McVicar West)



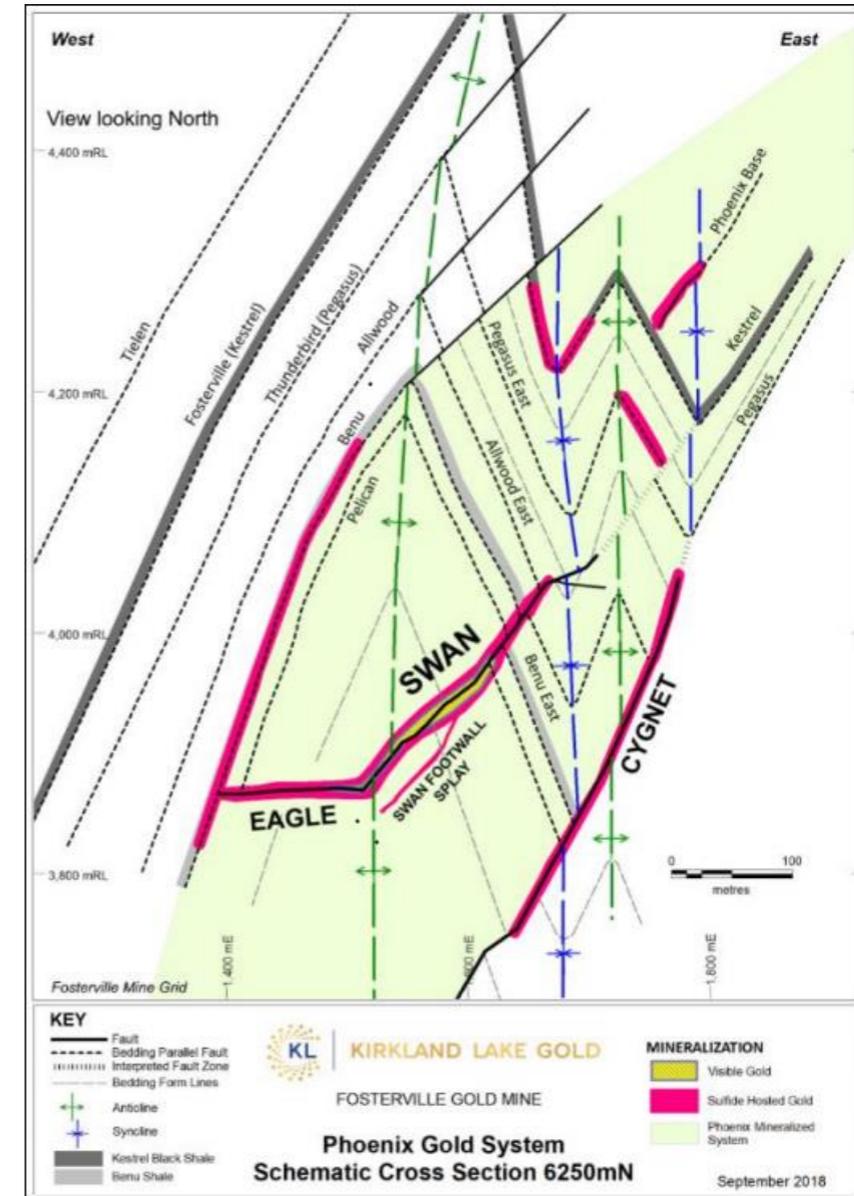
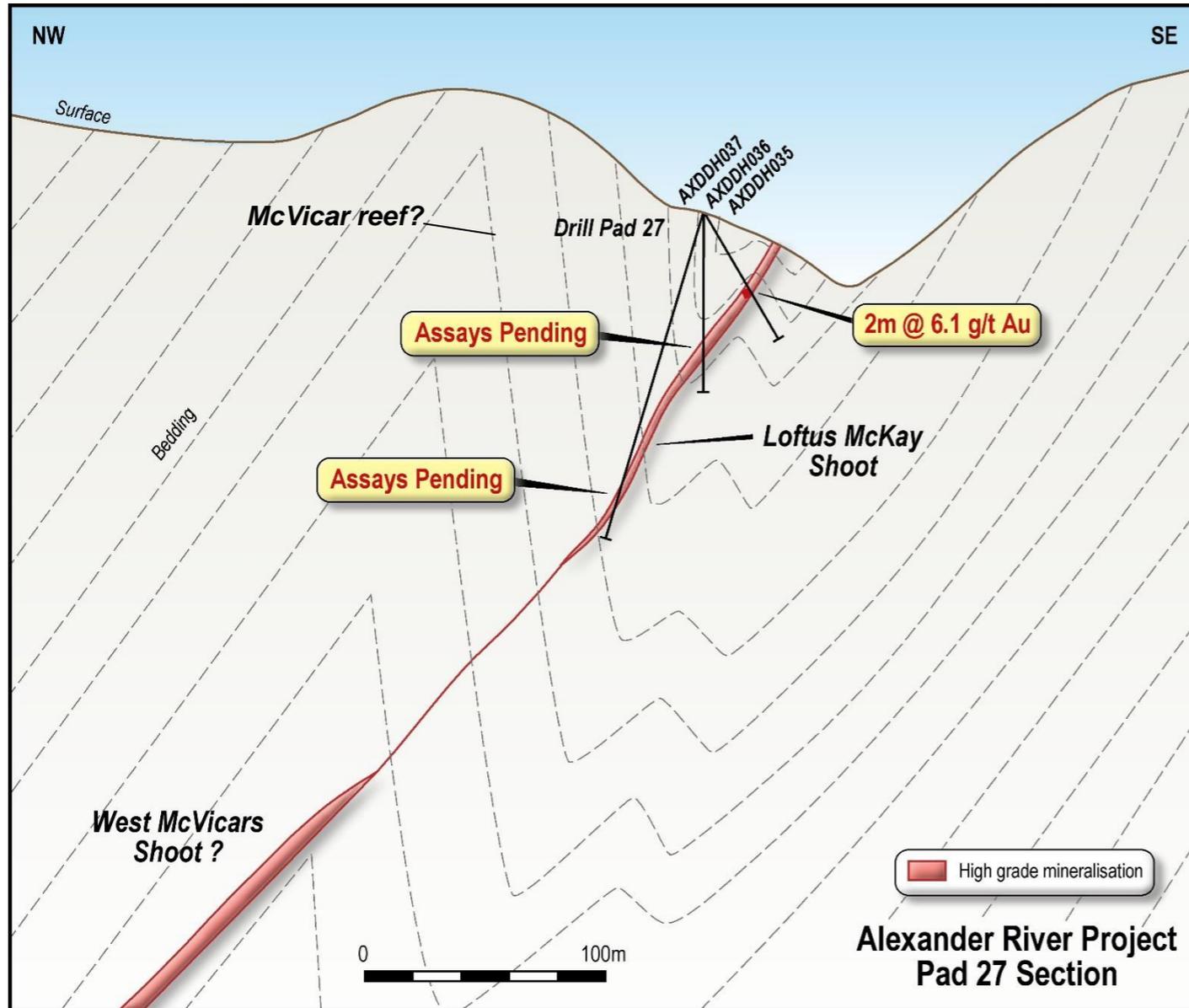
Alexander River – IP Resistivity Survey



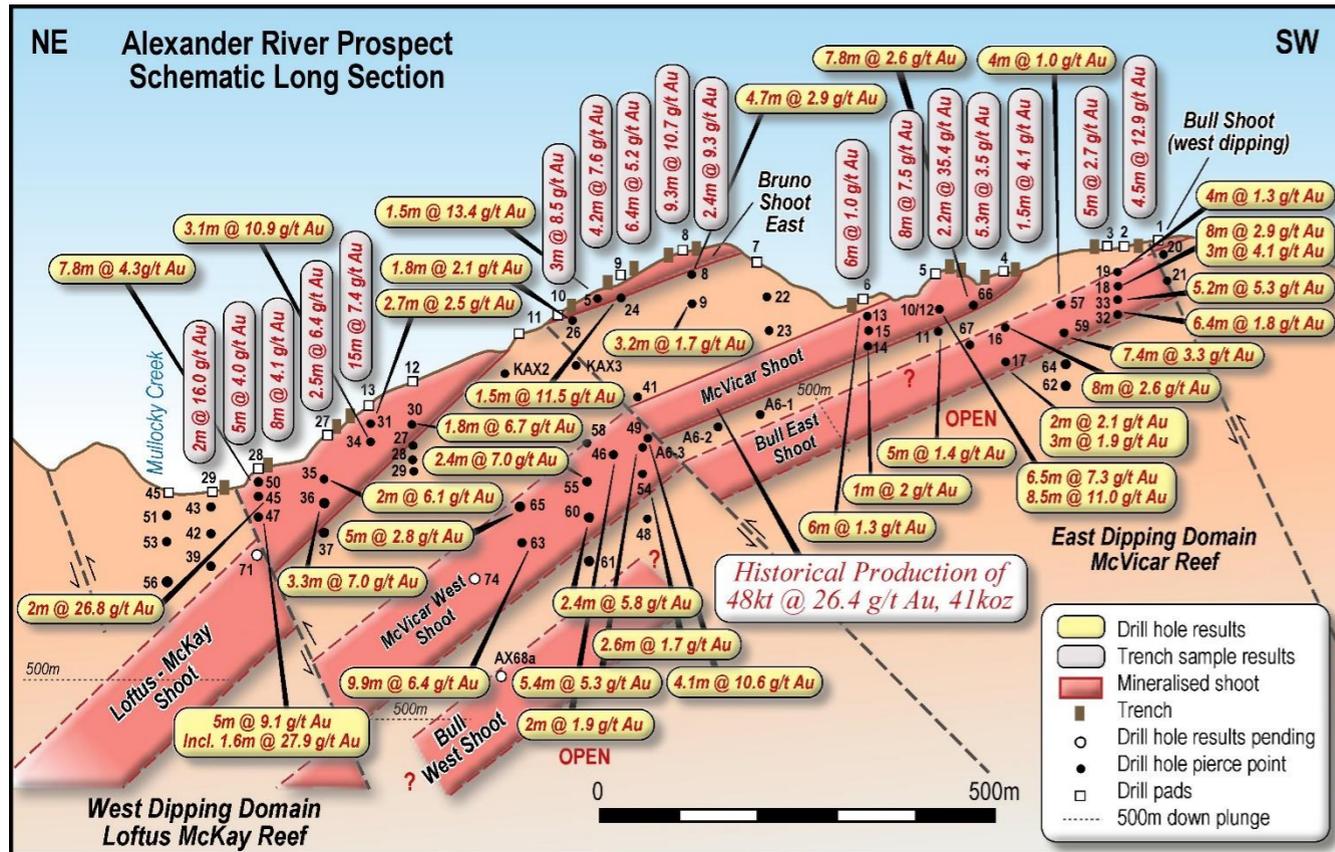
Alexander River – Structural Model



Alexander River – Compared to Fosterville



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



Shoot	Thickness (m)	Grade (g/t Au)	Shoot Height (m)	Shoot Plunge (m)	Tonnes (Mt)	Ounces (Koz)
Bull / McVicar	5.6	5.0	150	500	1.1	178
Loftus McKay	4.6	7.2	200	500	1.2	278
McVicar West	4.4	5.5	150	500	0.8	150
Bull West						
Total	4.9	6.0			3.2	606

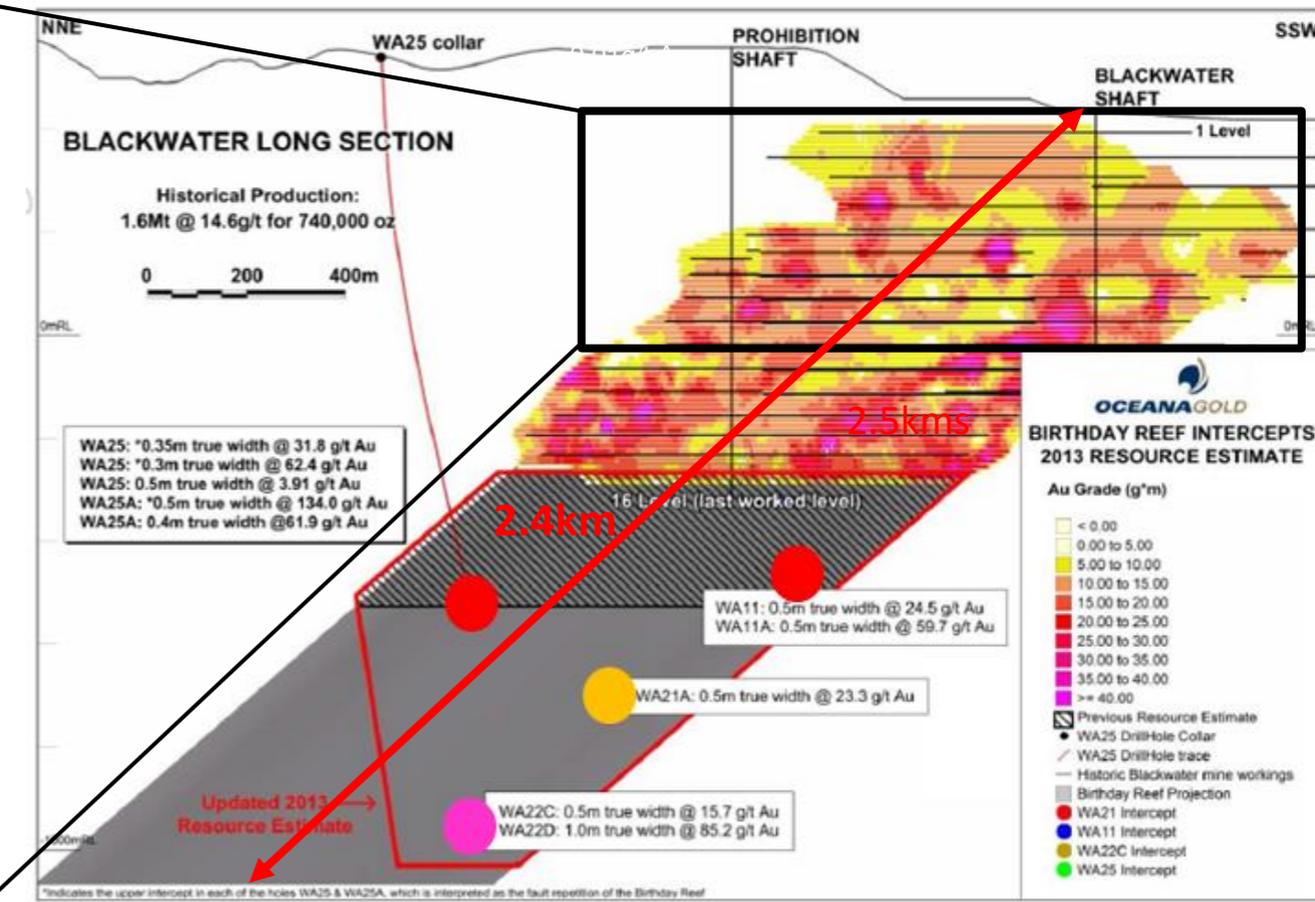
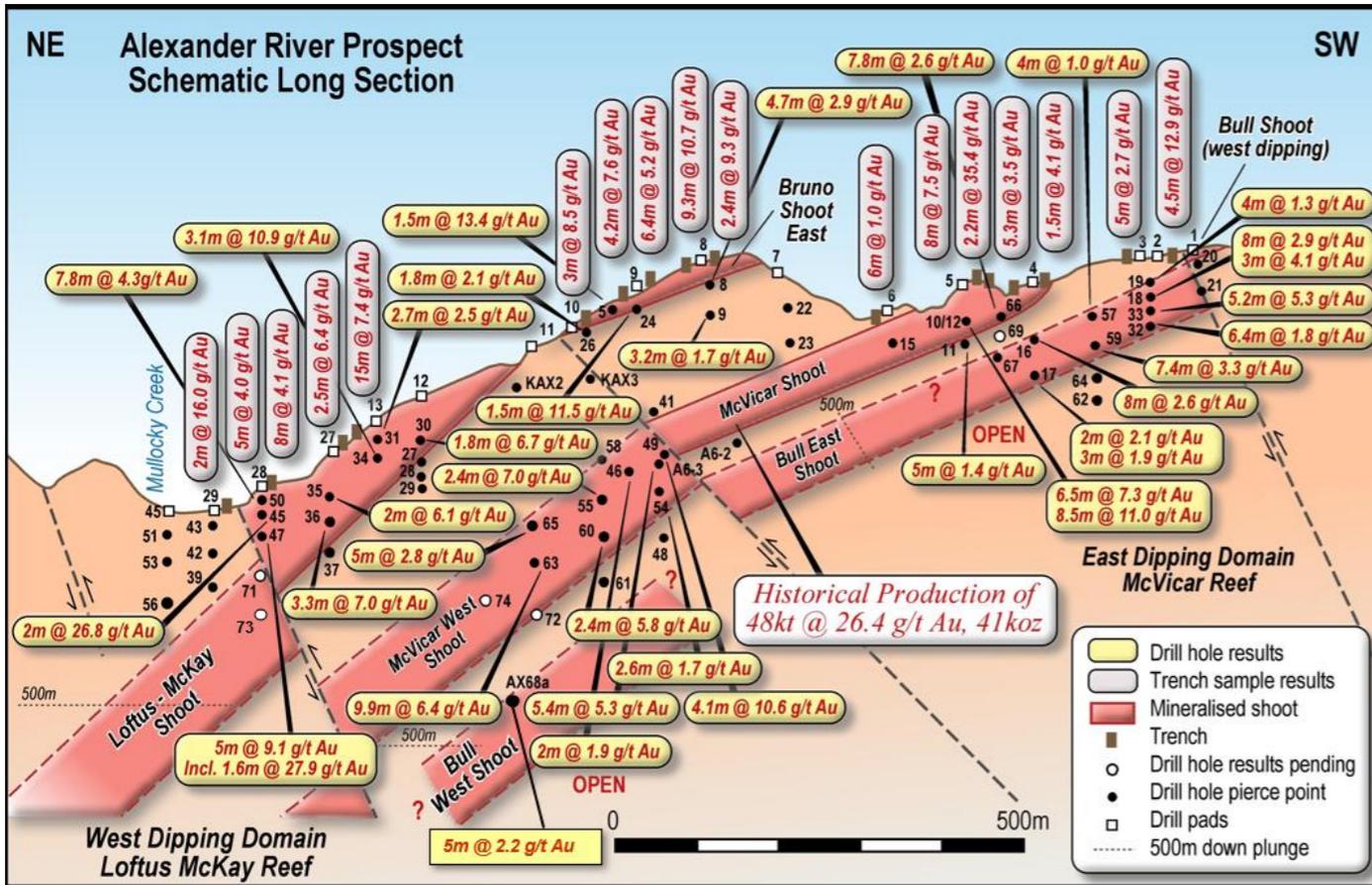
Shoot	Thickness (m)	Grade (g/t Au)	Shoot Height (m)	Shoot Plunge (m)	Tonnes (Mt)	Ounces (Koz)
Bull / McVicar	5.6	5.0	150	750	1.6	266
Loftus McKay	4.6	7.2	200	1000	2.4	556
McVicar West	4.4	5.5	150	1000	1.7	301
Bull West						
Total	4.8	6.1			5.8	1,123

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.

Alexander River – Compared to Blackwater

Alexander River

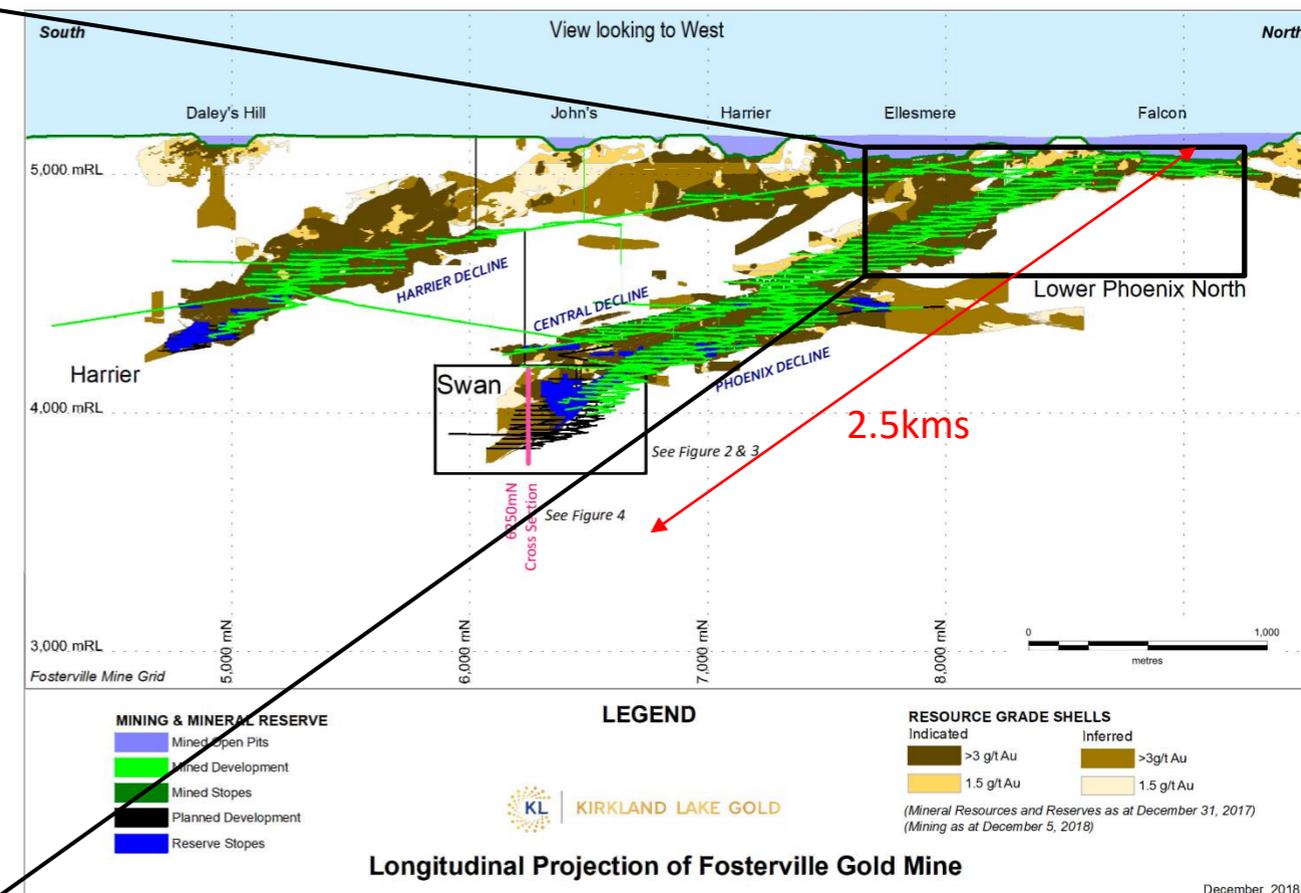
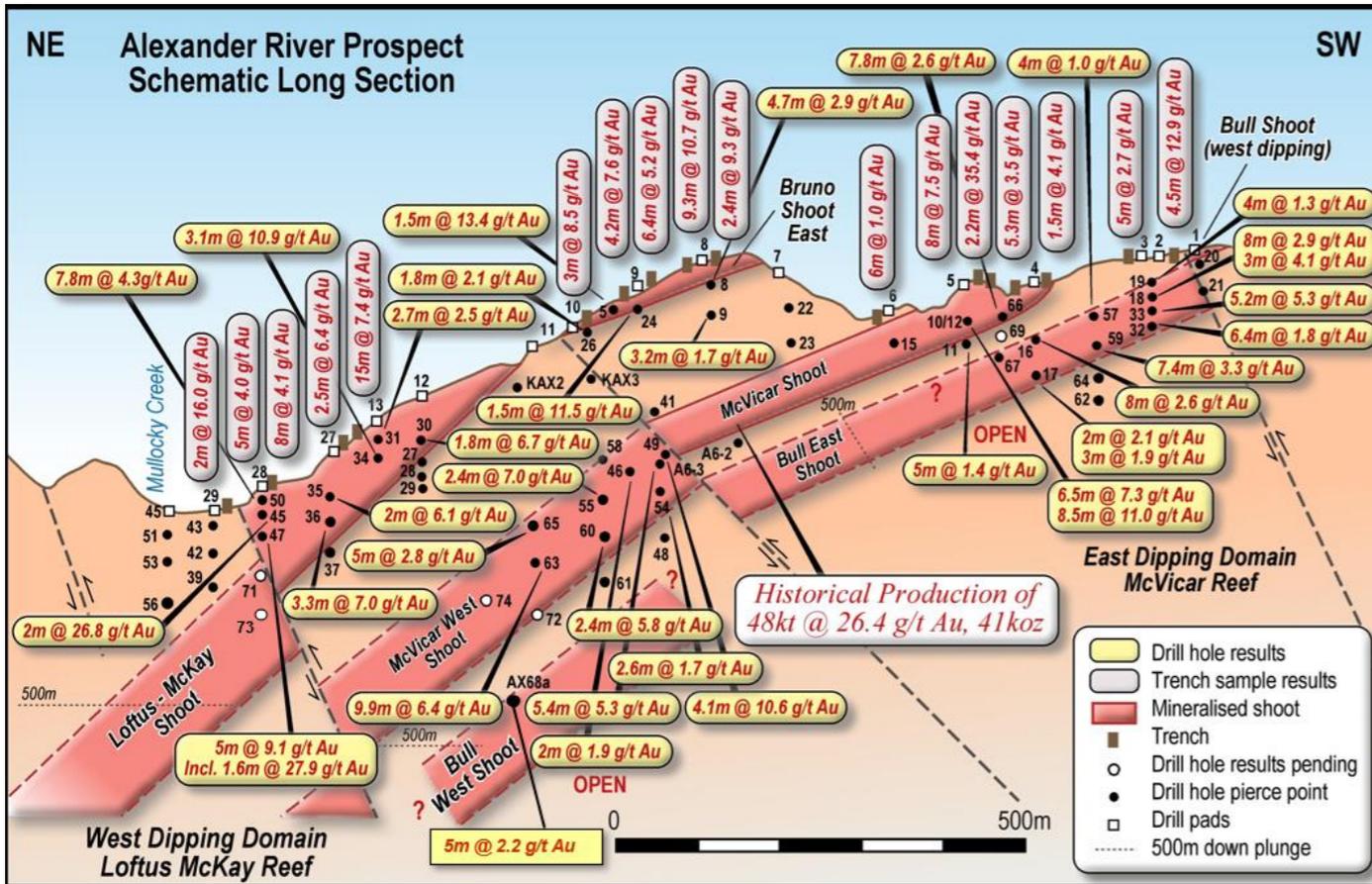
Blackwater



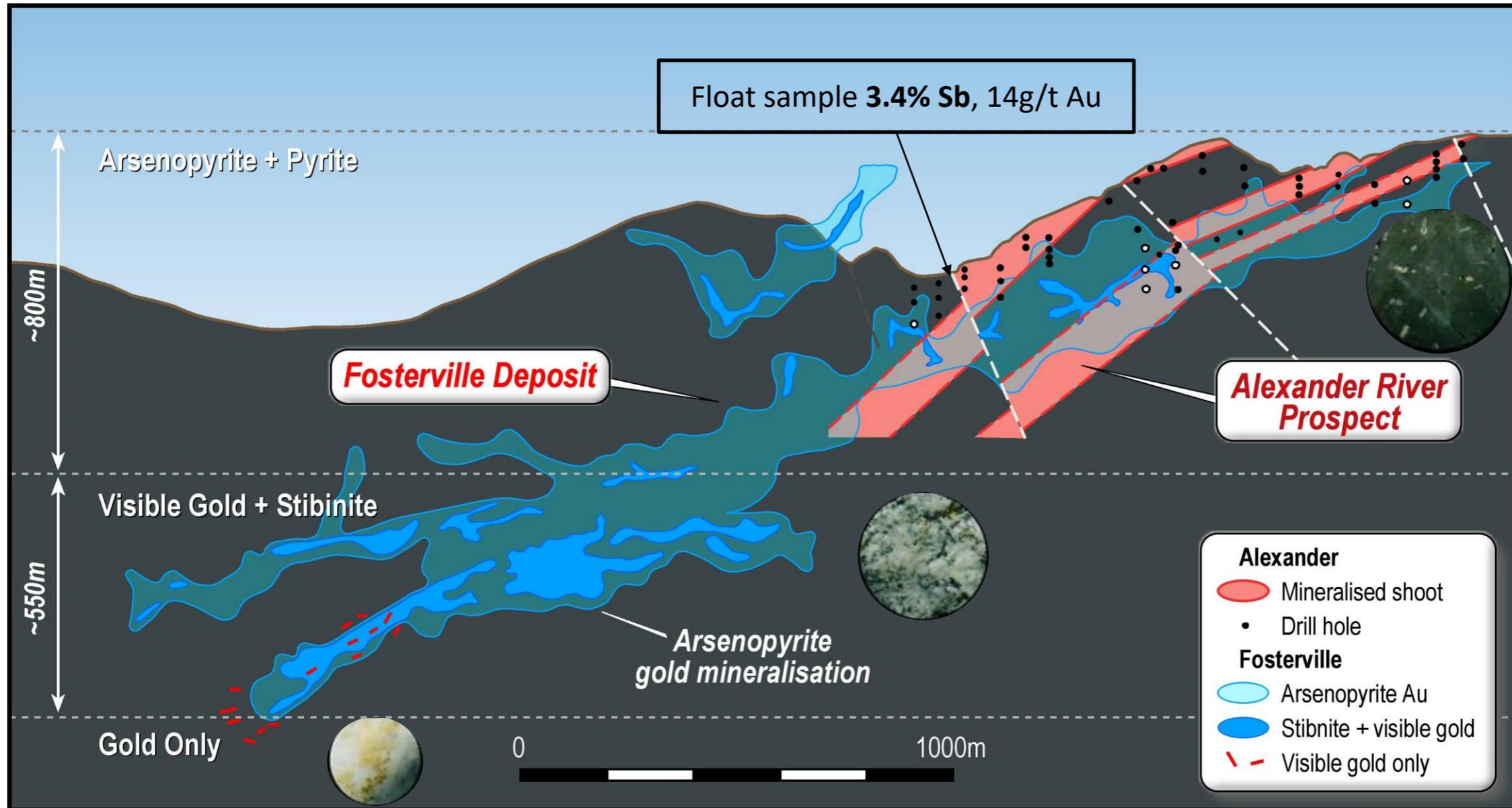
Alexander River – Compared to Fosterville

Alexander River

Fosterville



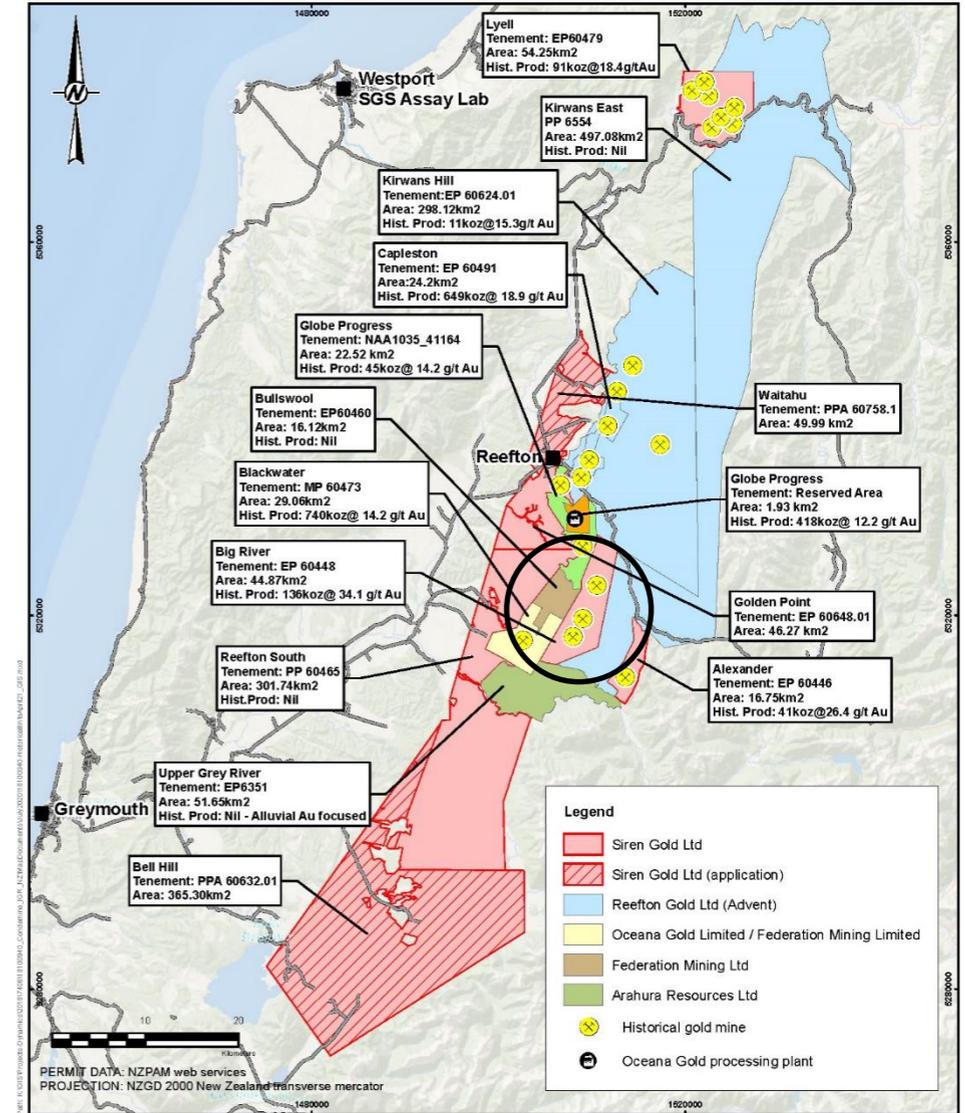
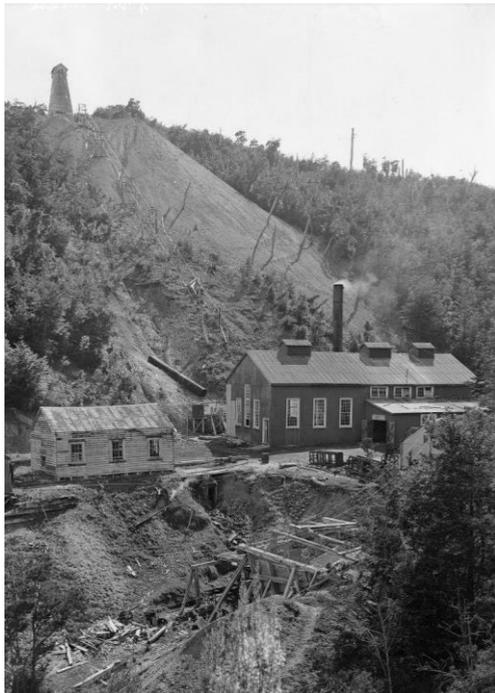
Alexander River – Long Section cf to Fosterville



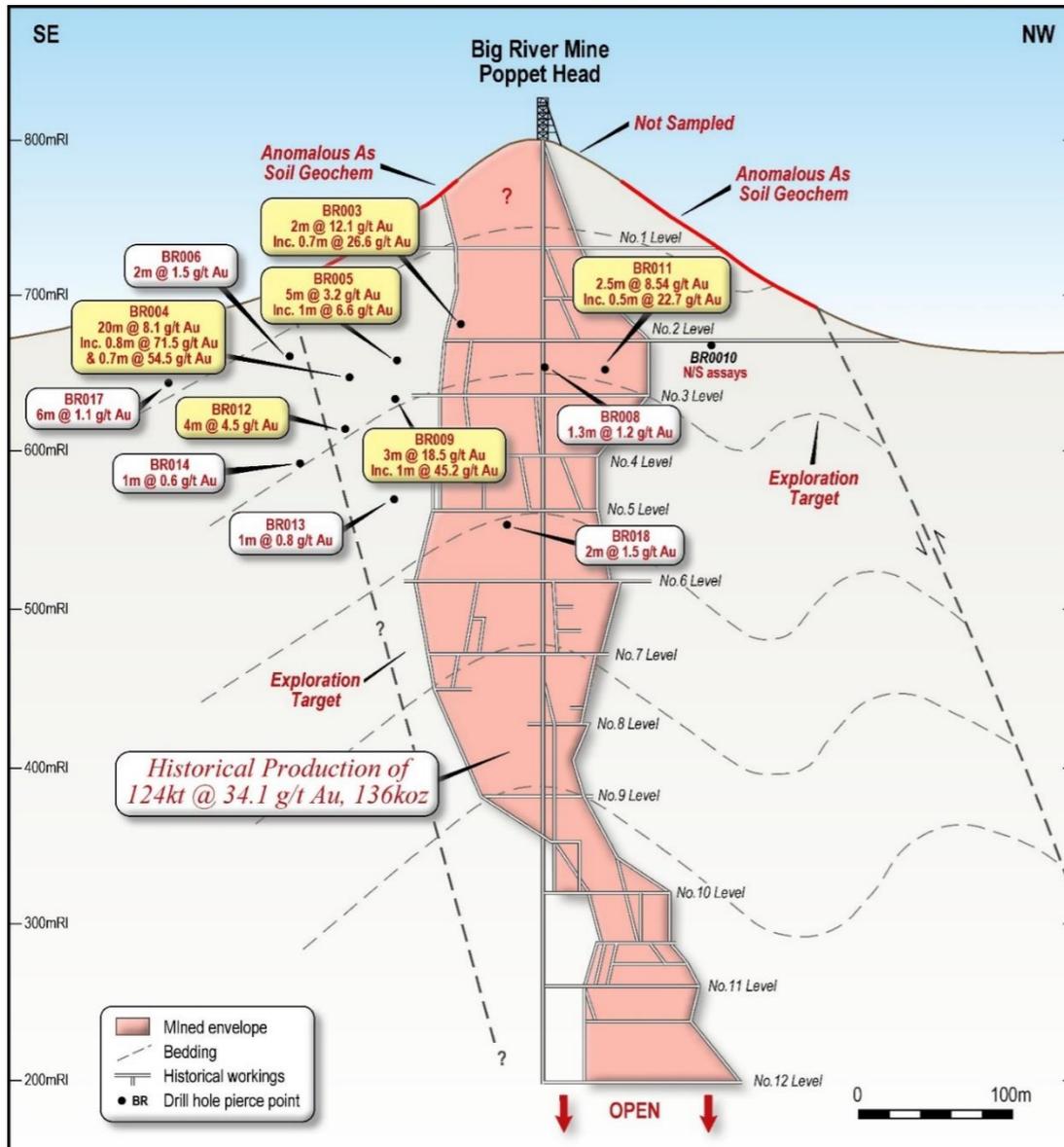
Big River - Historical production 34.1g/t Au, 136koz

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**.

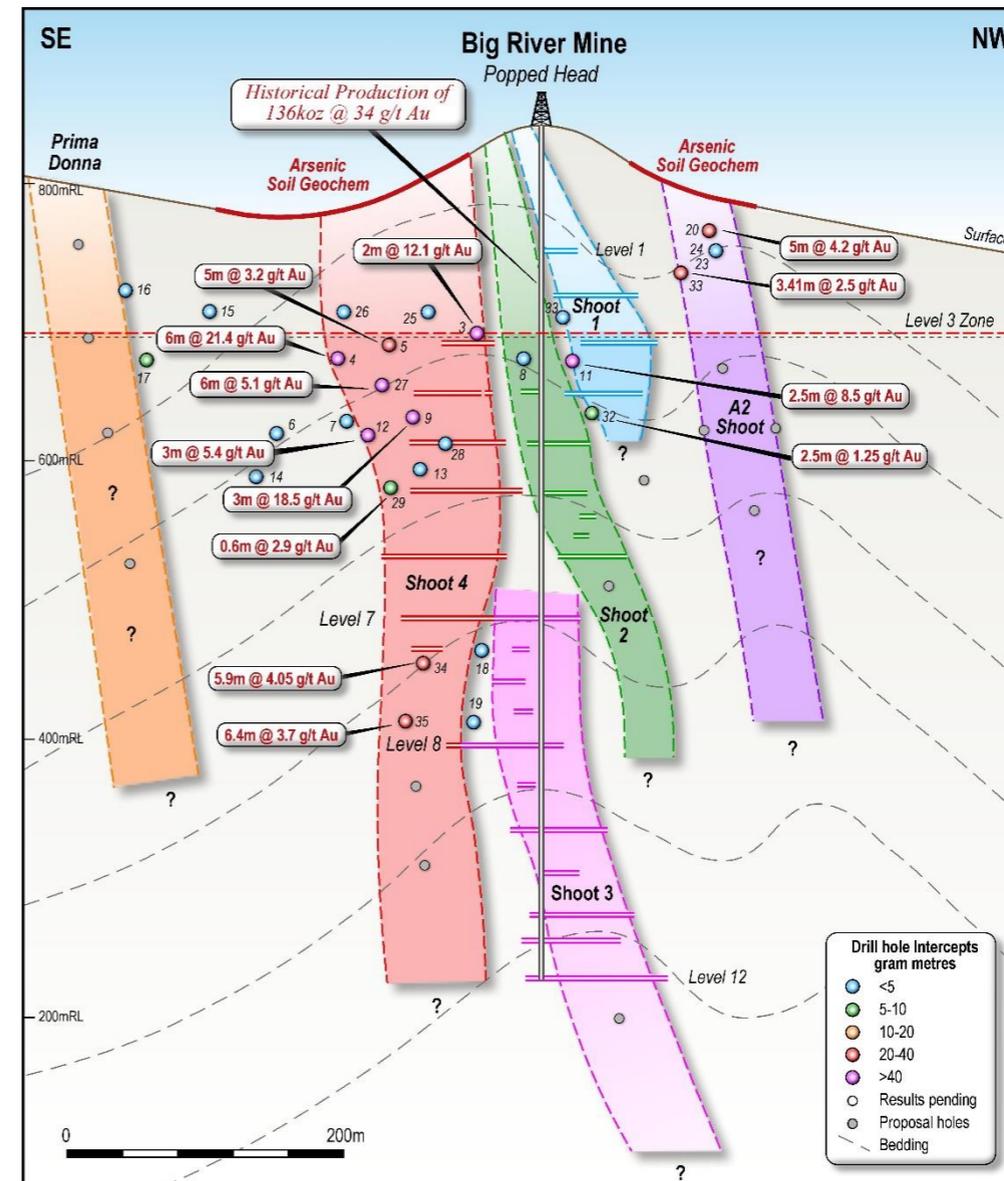
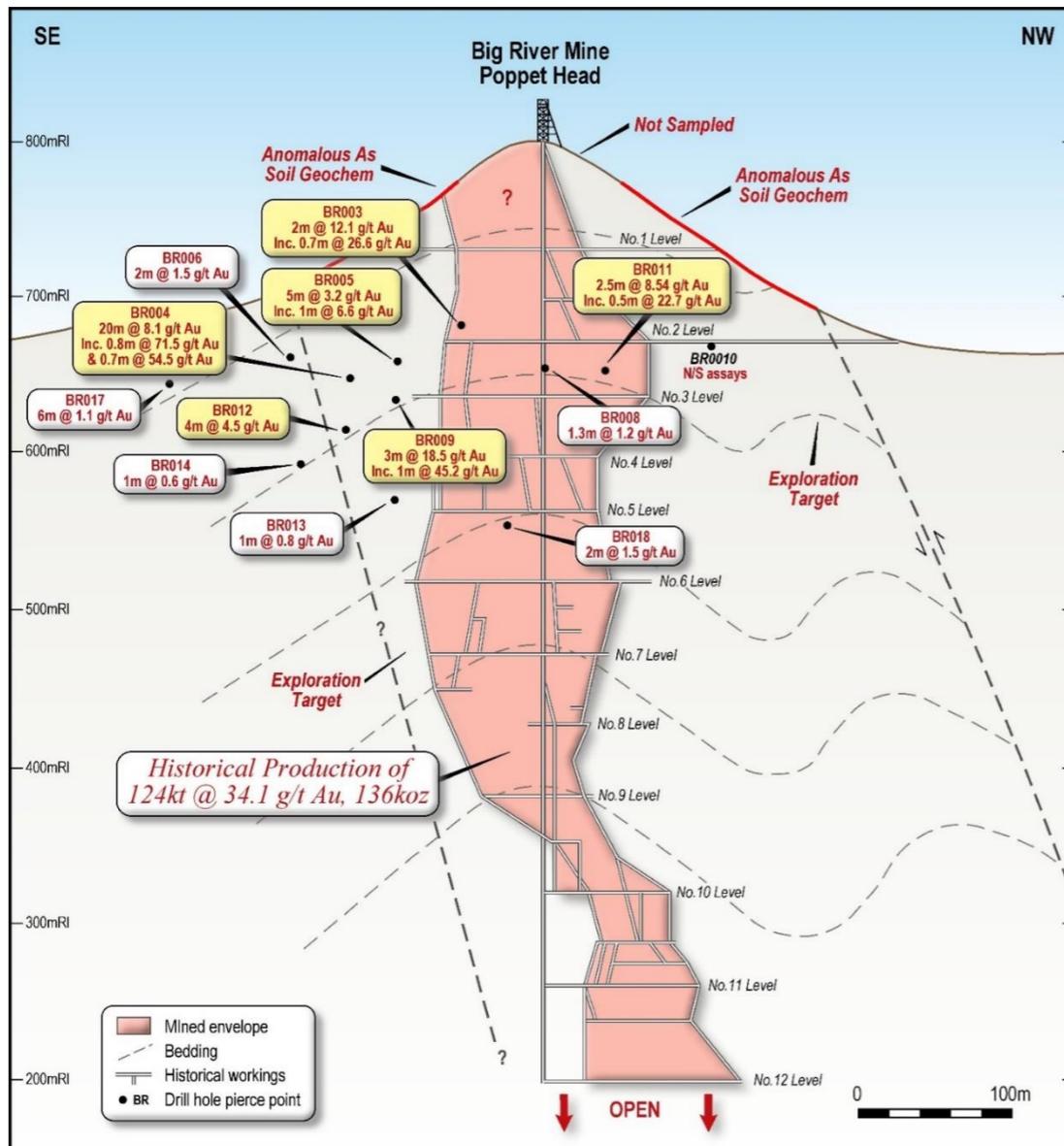


Big River Mine – Pre IPO



Hole ID	Interval (m)	Grade (g/t)
BR03	2.0	12.0
BR04	20.0	8.1
<i>including</i>	<i>6.6</i>	<i>21.0</i>
BR09	3.0	18.5
BR11	2.5	8.5
BR12	4.0	4.5

Big River Mine –Pre IPO vs Current



Big River Mine – Shoot 4 BRDDH004 (6.6m @ 21.4g/t Au)

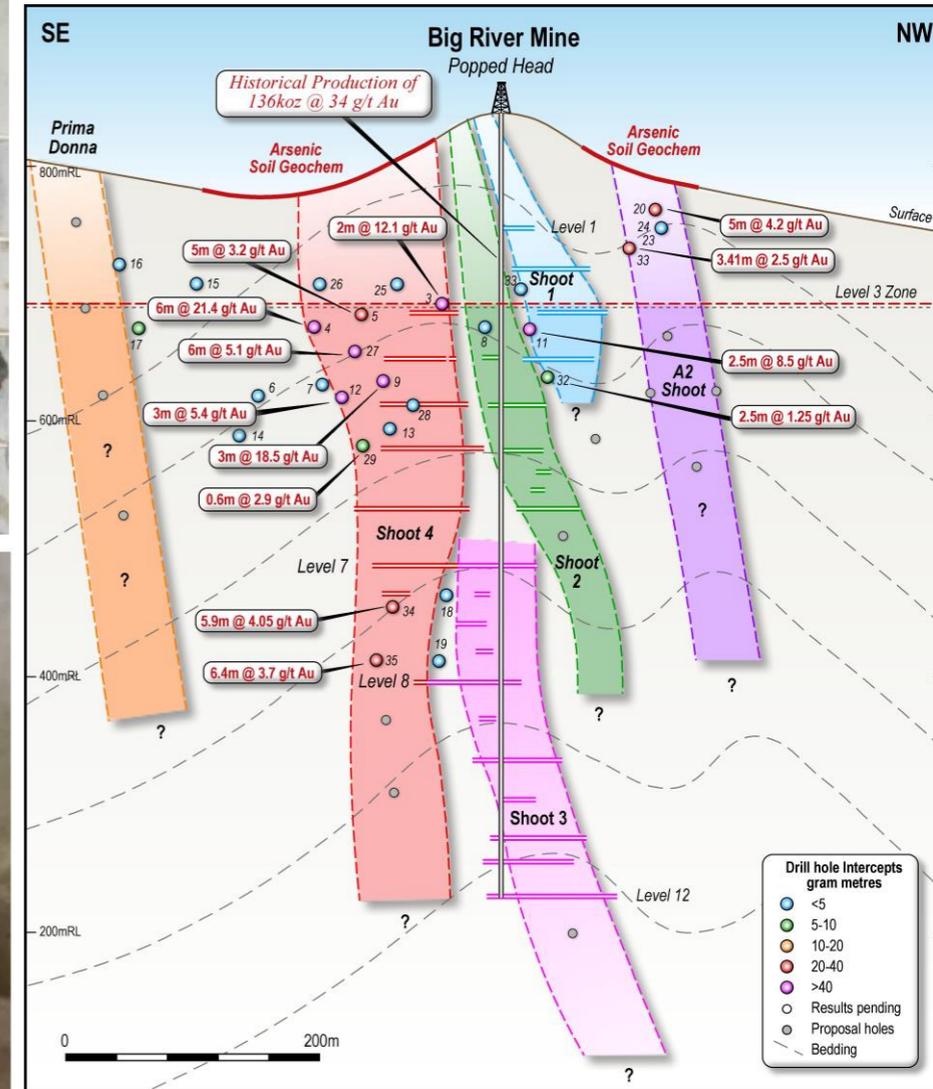
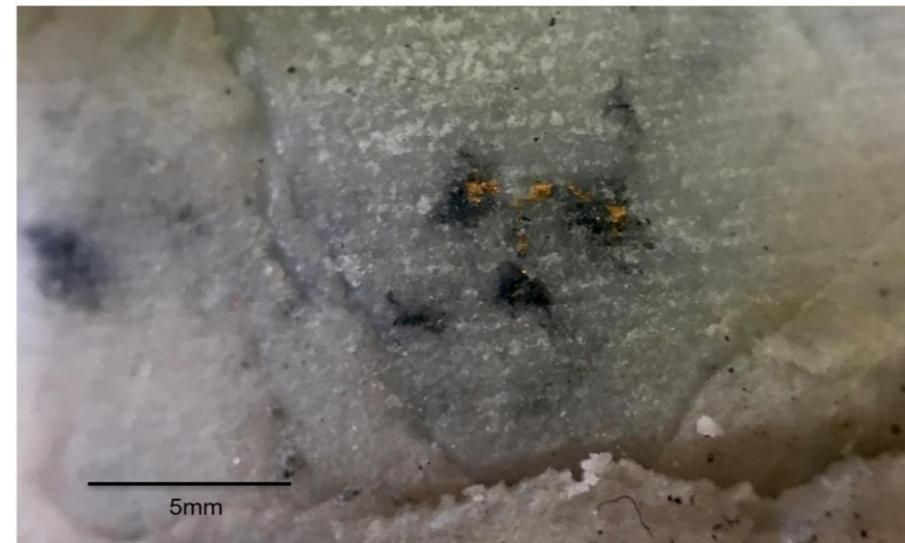
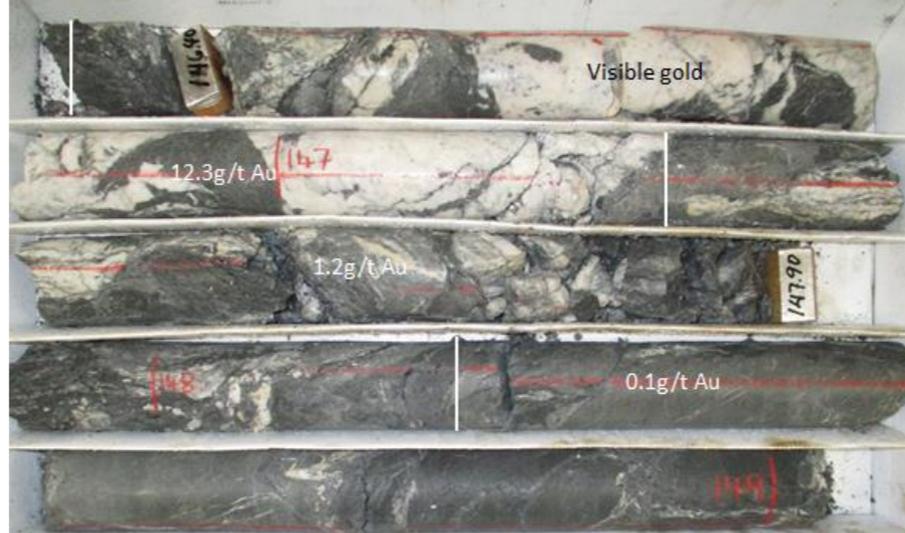


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Hole ID	From (m)	To (m)	Interval (m)	Au (g/t)
Shoot 4				
BDDDH003	99.0	101.0	2.0	12.1
BRDDH004	128.0	132.0	4.0	4.4
	136.4	143.0	6.6	21.4
<i>Including</i>	137.4	138.2	0.8	71.5
<i>Including</i>	141.6	142.3	0.6	54.5
BRDDH005	112.1	117.1	5.0	3.2
BRDDH009	147.0	150.0	3.0	18.5
<i>Including</i>	147.0	148.0	1.0	42.5
	158.0	162.0	4.0	7.8
<i>Including</i>	159.0	159.5	0.5	50.4
BRDDH012	170.0	173.0	3.0	5.4
BRDDH027	141.0	155.0	14.0	2.8
<i>Including</i>	142.2	148.2	5.1	5.8
	153.8	155.0	1.2	3.1
BRDDH034	361.7	367.6	5.9	4.1
BRDDH035	374.8	381.2	6.3	3.4
A2 Shoot				
BRDDH020	24.0	29.0	5.0	4.2
BRDDH031	25.9	36.5	10.6	1.3
	41.5	44.9	3.4	2.5
Shoot 1				
BRDDH011	139.0	141.5	2.5	8.5

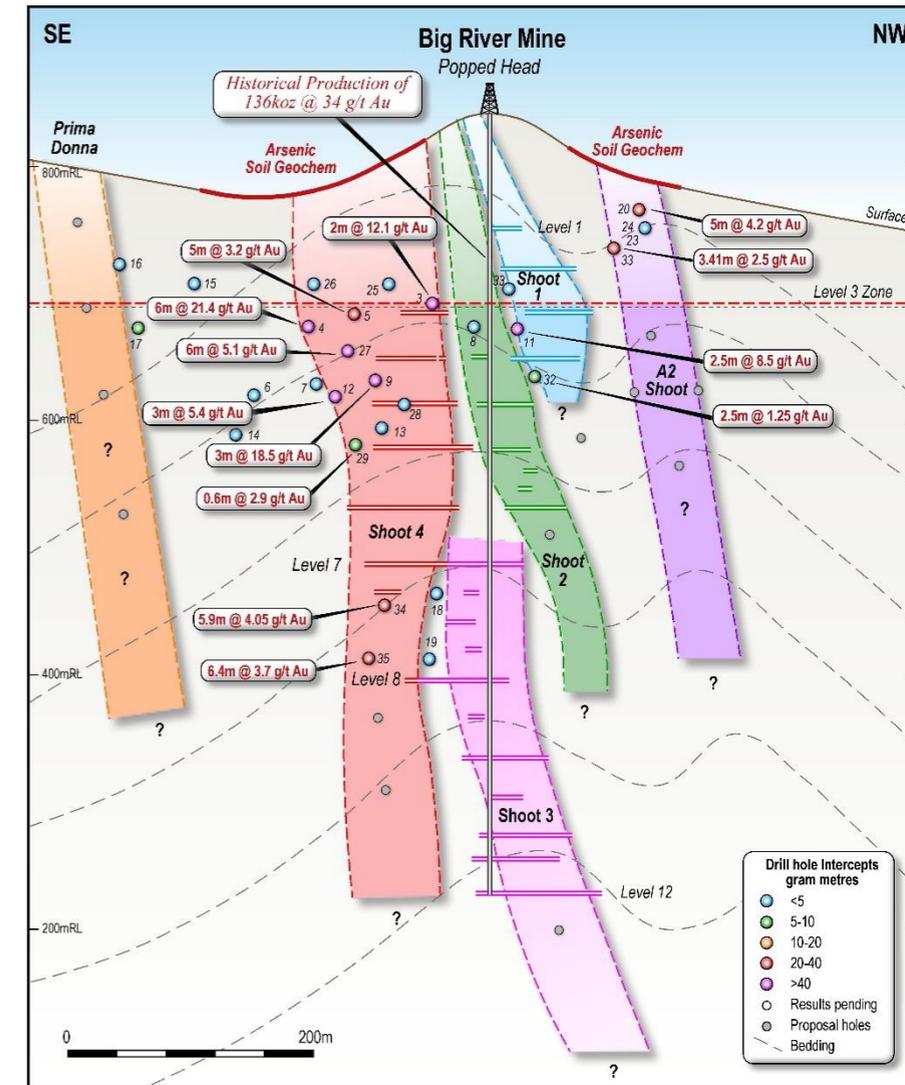
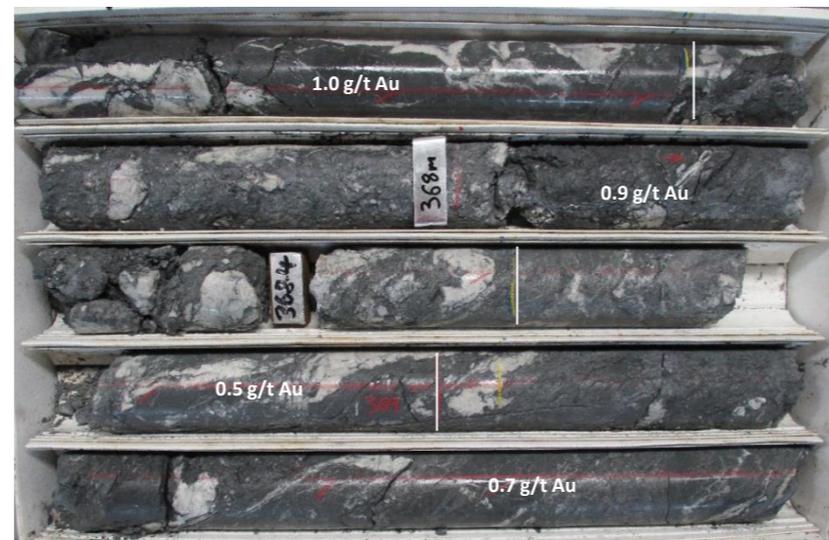
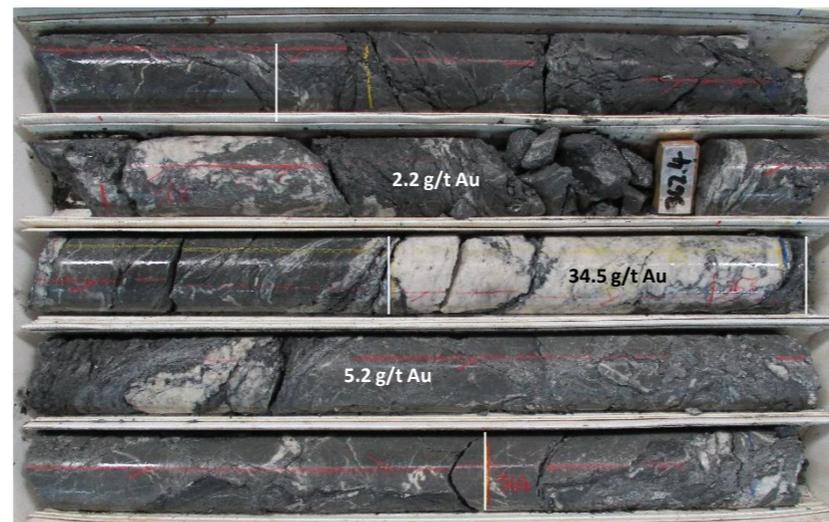
Big River Mine – Shoot 4 BRDDH027 (6m @ 5.1g/t Au)



Big River Mine – Shoot 4 BRDDH034 (5.9m @ 4.1g/t Au)



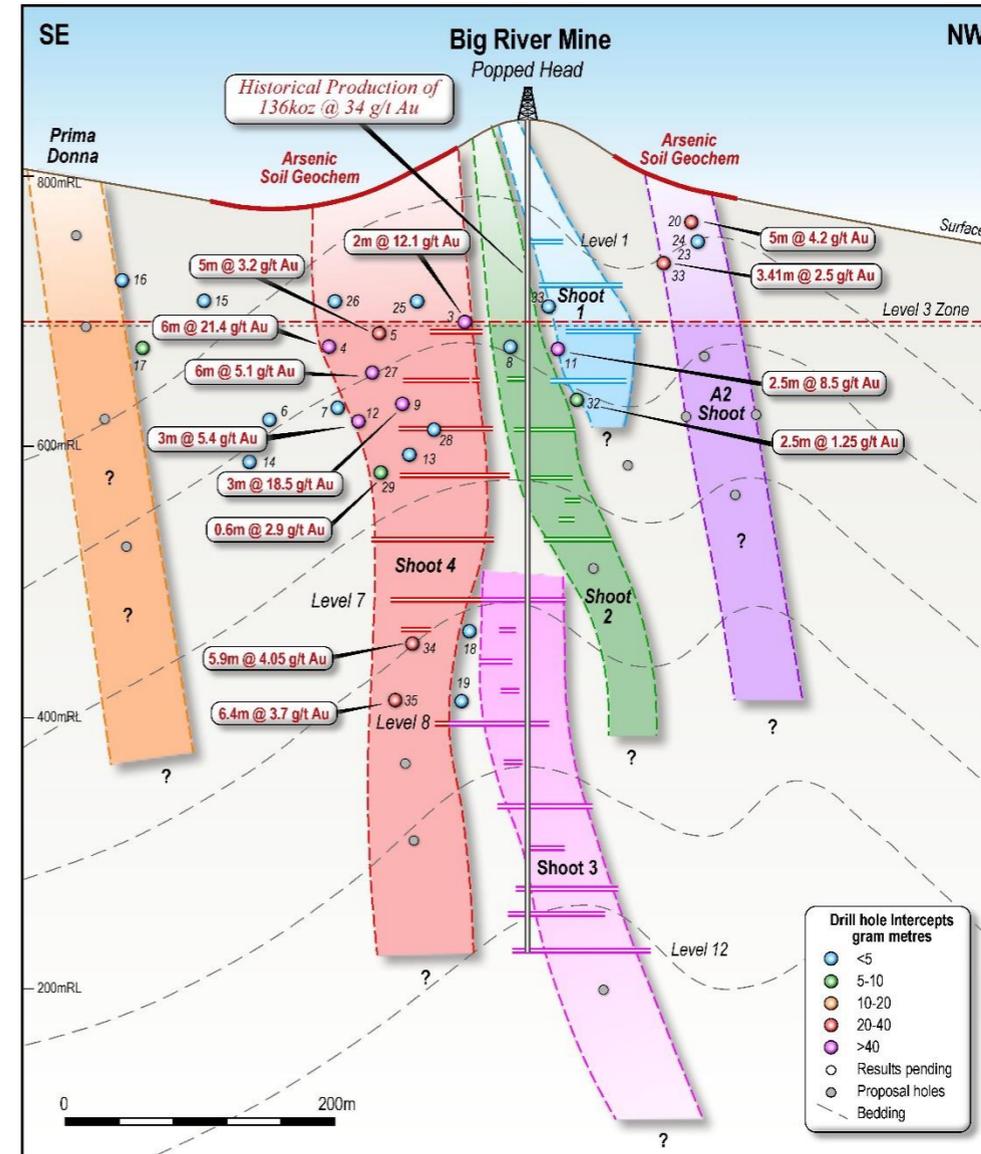
SIRENGOLD
LIMITED



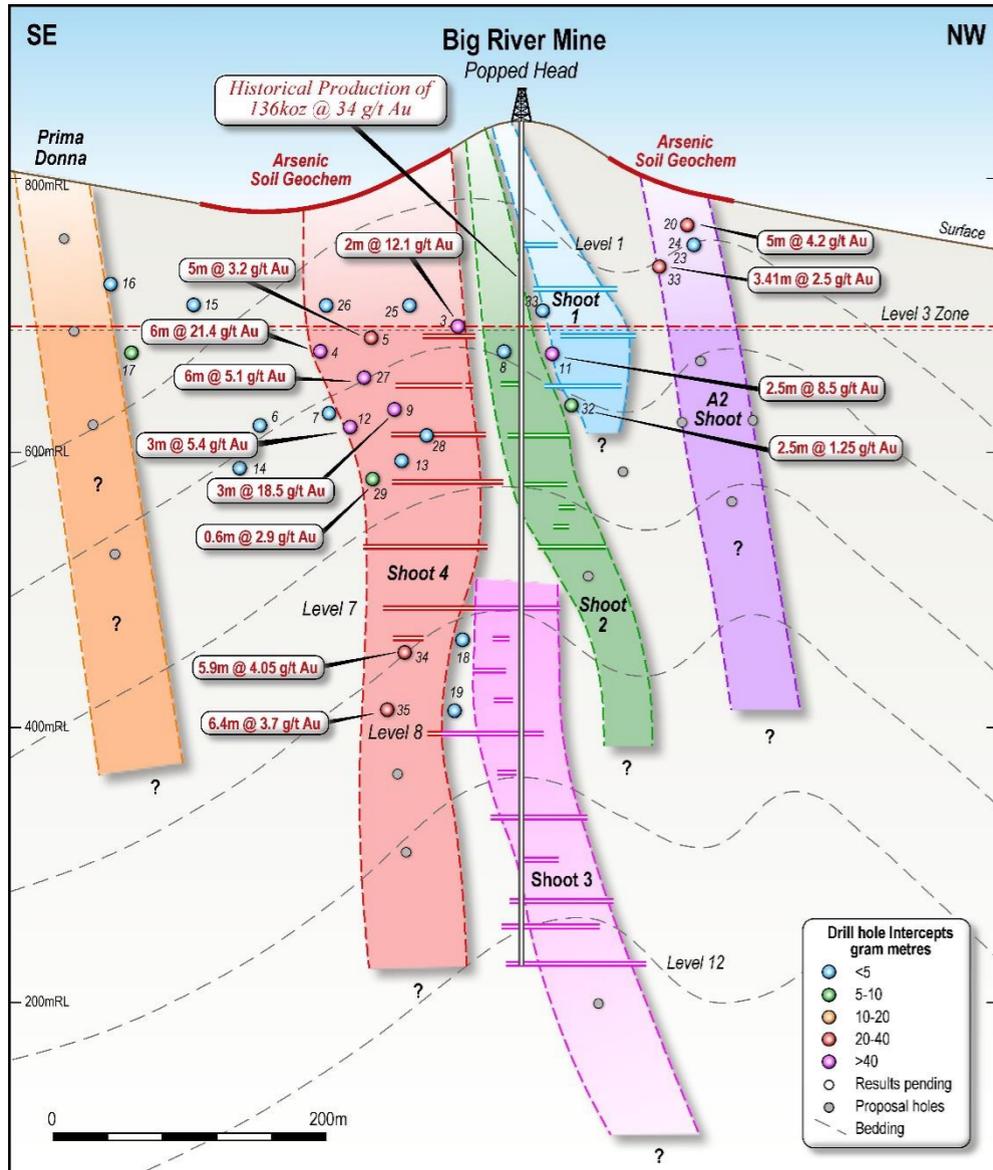
Big River Mine – A2 Shoot



Big River Mine – A2 Shoot



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



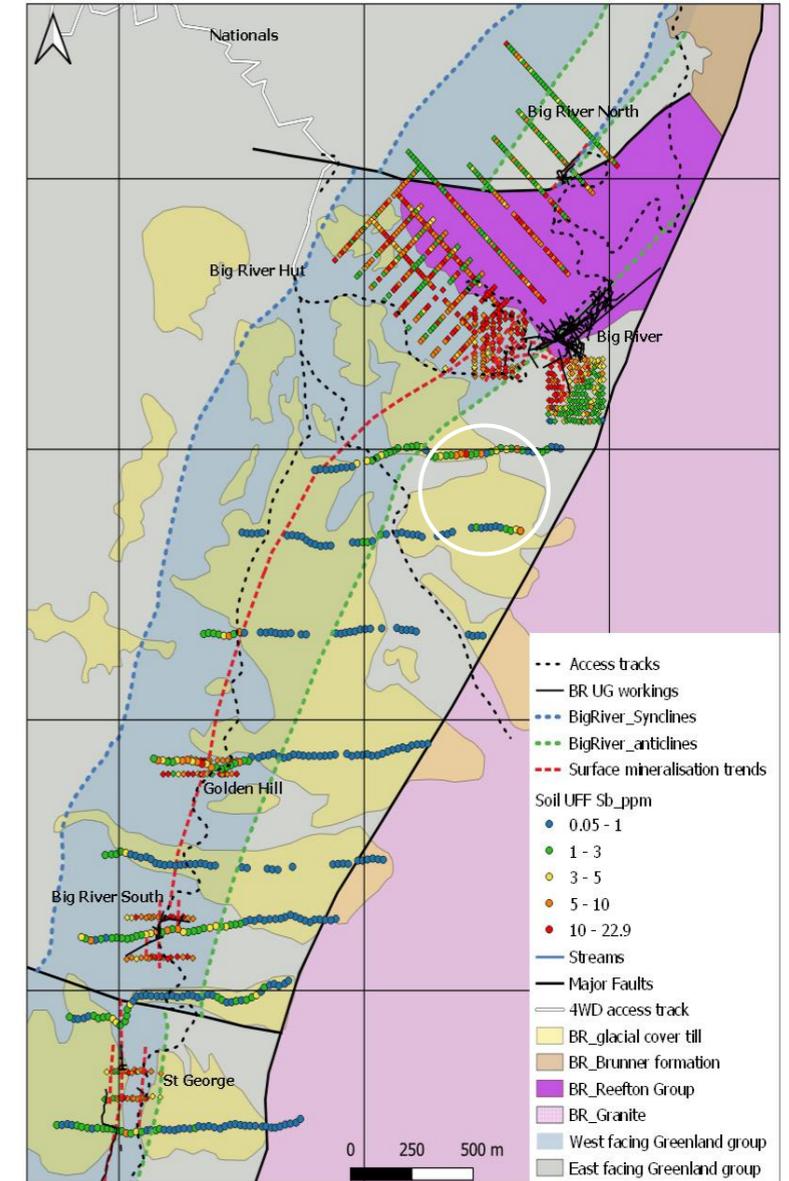
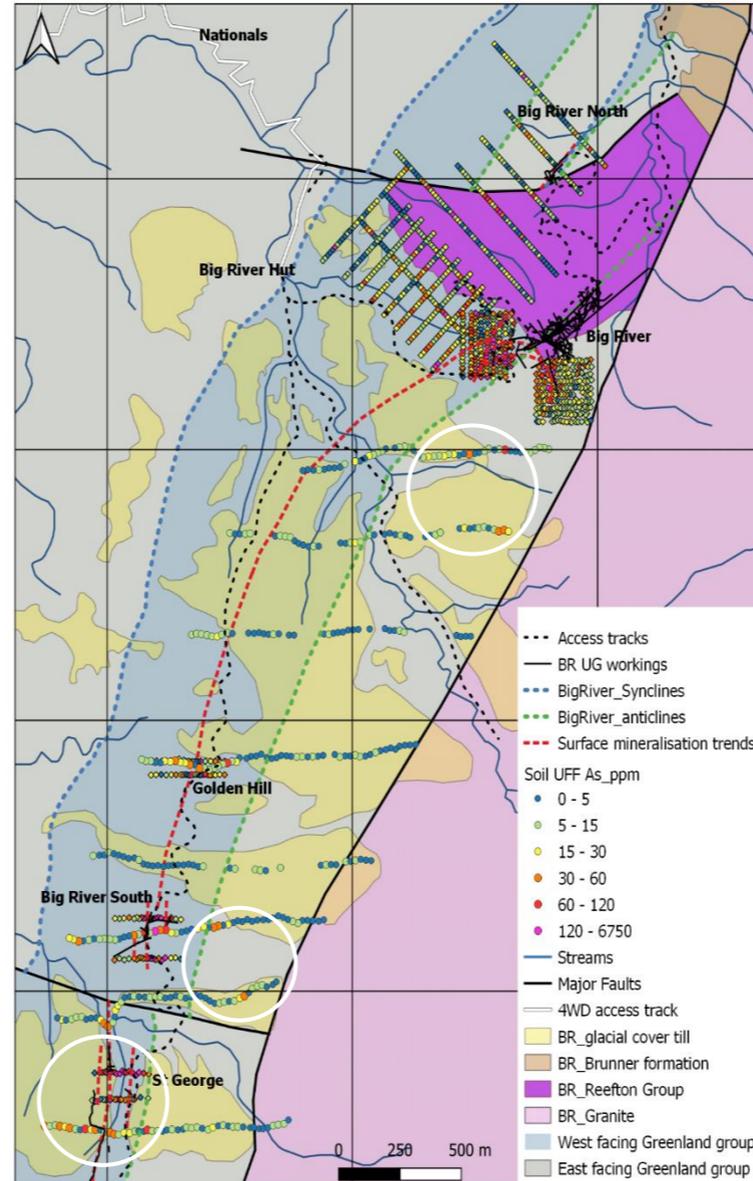
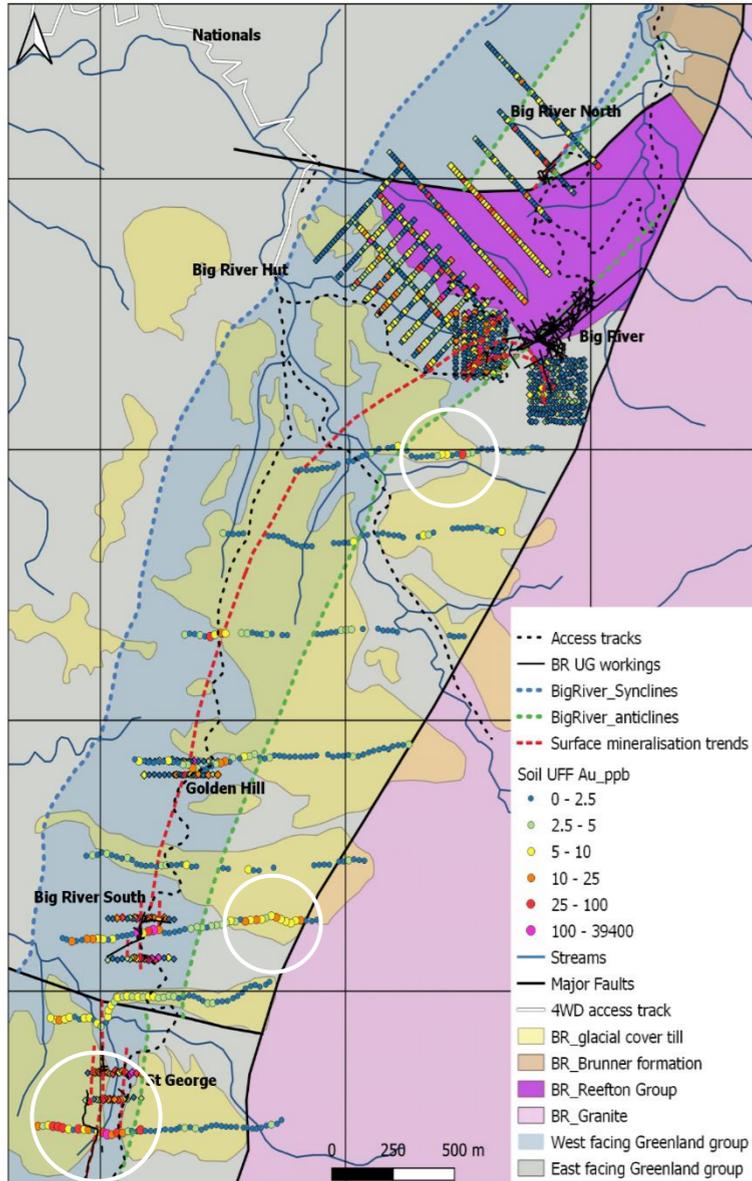
Drillholes	Interval (m)	Au (g/t)
BR3	2.0	12.1
BR4	6.0	21.4
BR5	5.0	3.2
BR9	3.0	18.5
BR12	3.0	5.4
BR27	6.0	5.1
BR34	5.9	4.1
BR35	6.4	3.7
Weighted	4.7	8.5

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
Total	4.7	8.5			0.5	125

Big River - 3km+ Mineralised Zone / Ultrafine Soil Results



SIRENGOLD
LIMITED





Golden Point – 1.5km+ Long Reef

Golden Point Mine

- Golden Point Exploration permit granted 19 March 2021 (46.2km²).
- 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. Results for GP03 awaited.

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
Total	1,357	410	9.4



Lyell - New 3km Long Target Discovered

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

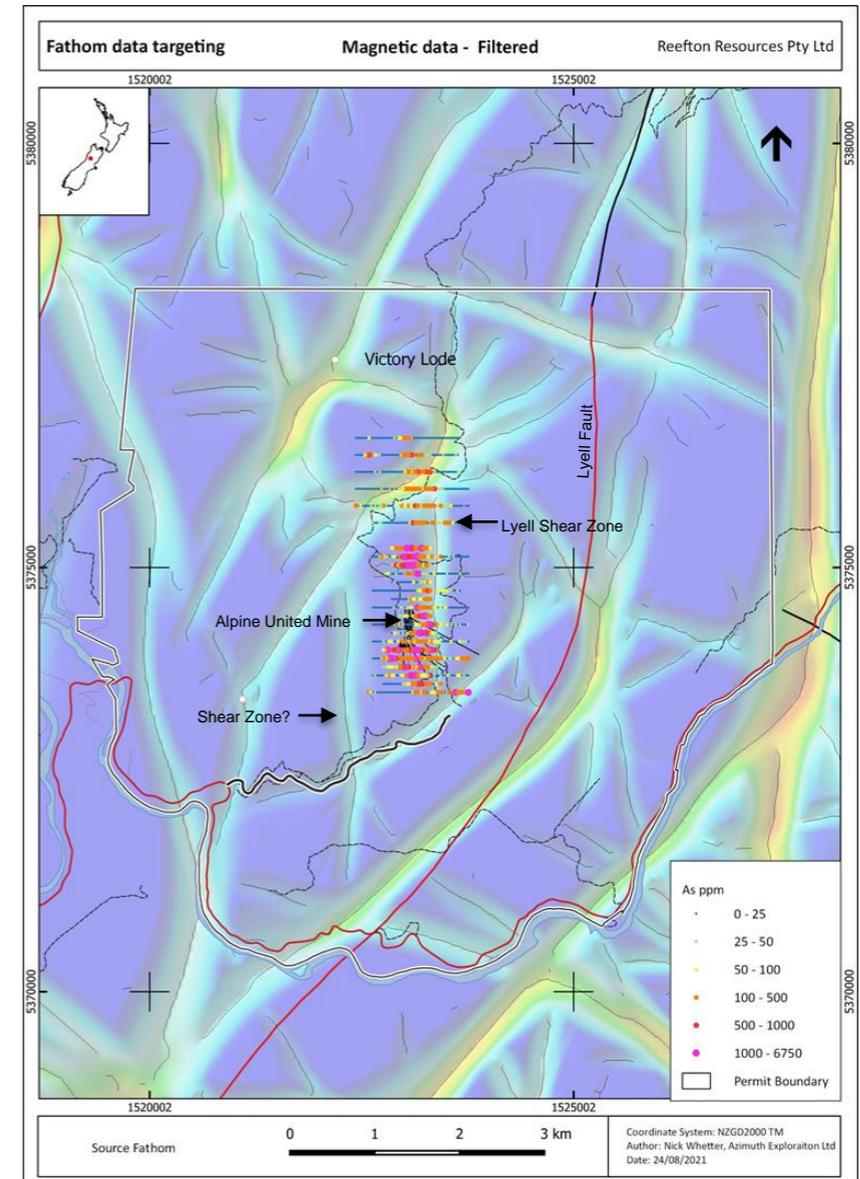
- Recent structural reinterpretation of magnetic data by Fathom Geophysics (WA) and Siren has identified a N-S structure that is spatially associated with a continuous zone of gold and arsenic soil anomalism extending over a strike length of at least 3kms.
- The largest Alpine United was mined to a depth of 550m and produced **80,514oz gold @ 17g/t** recovered between 1874 -1911 (Alpine mine at bottom of image)
- Planned application for an access agreement in Q2 2022 ahead of drilling.

Mine	Quartz crushed (t)	Production (oz)	Grade (g/t)
Alpine United	149,024	80,514	17
Lyell Creek	135	450	104
Break of Day	2,180	4,598	66
Croesus	2,773	1,897	21
Tyrconnell	201	1,672	259
United Italy	513	2,219	69
Total	154,826	91,350	18.4



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

- Historically nuggets up to 52 oz found at Lyell. Two nuggets of 3.7oz and 1.2oz recently recovered.



Lyell - New 3km Long Target Discovered at Lyell



SIRENGOLD
LIMITED



4m thick reef

4m thick quartz reef in the Caledonian mine area



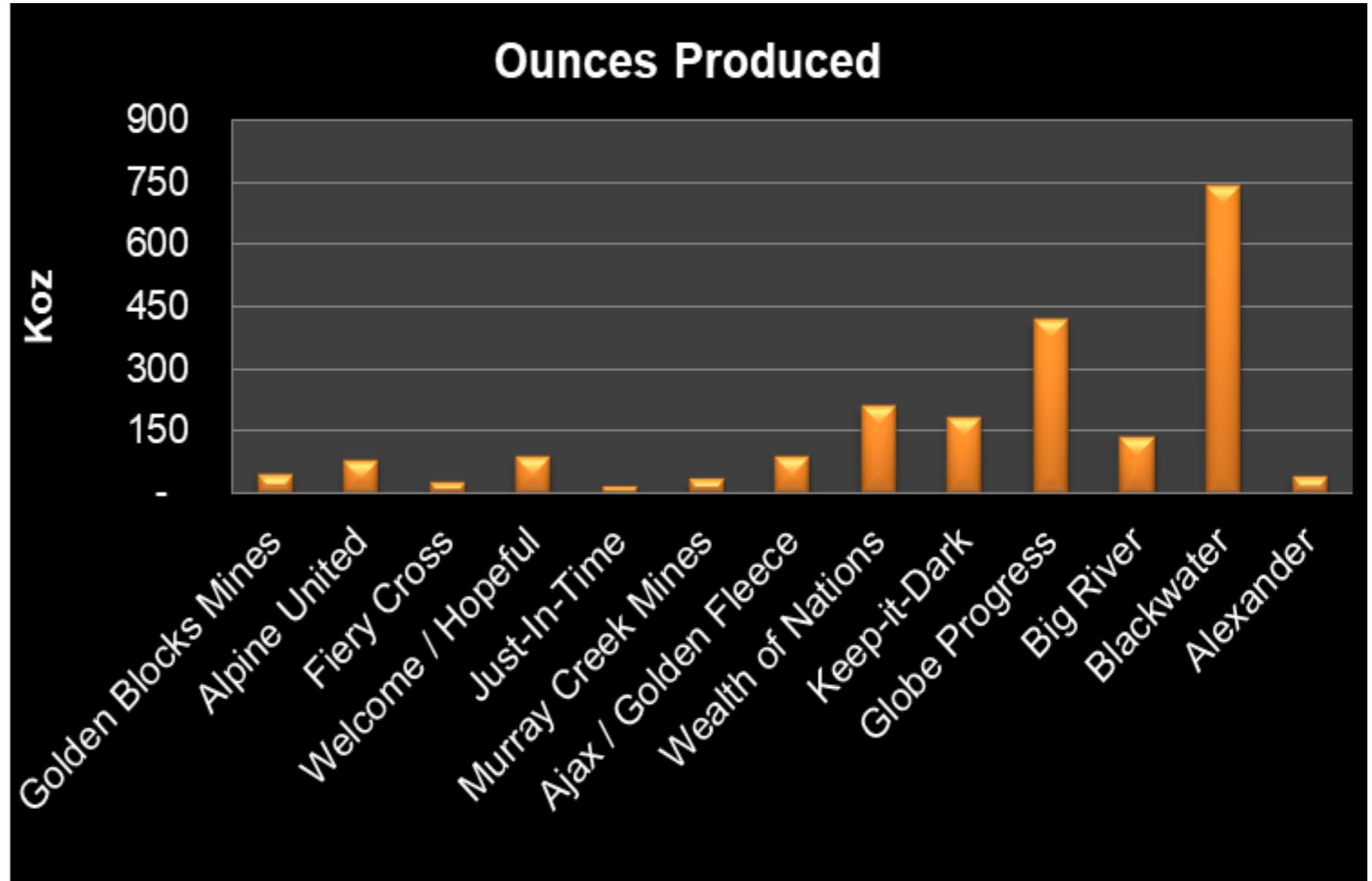
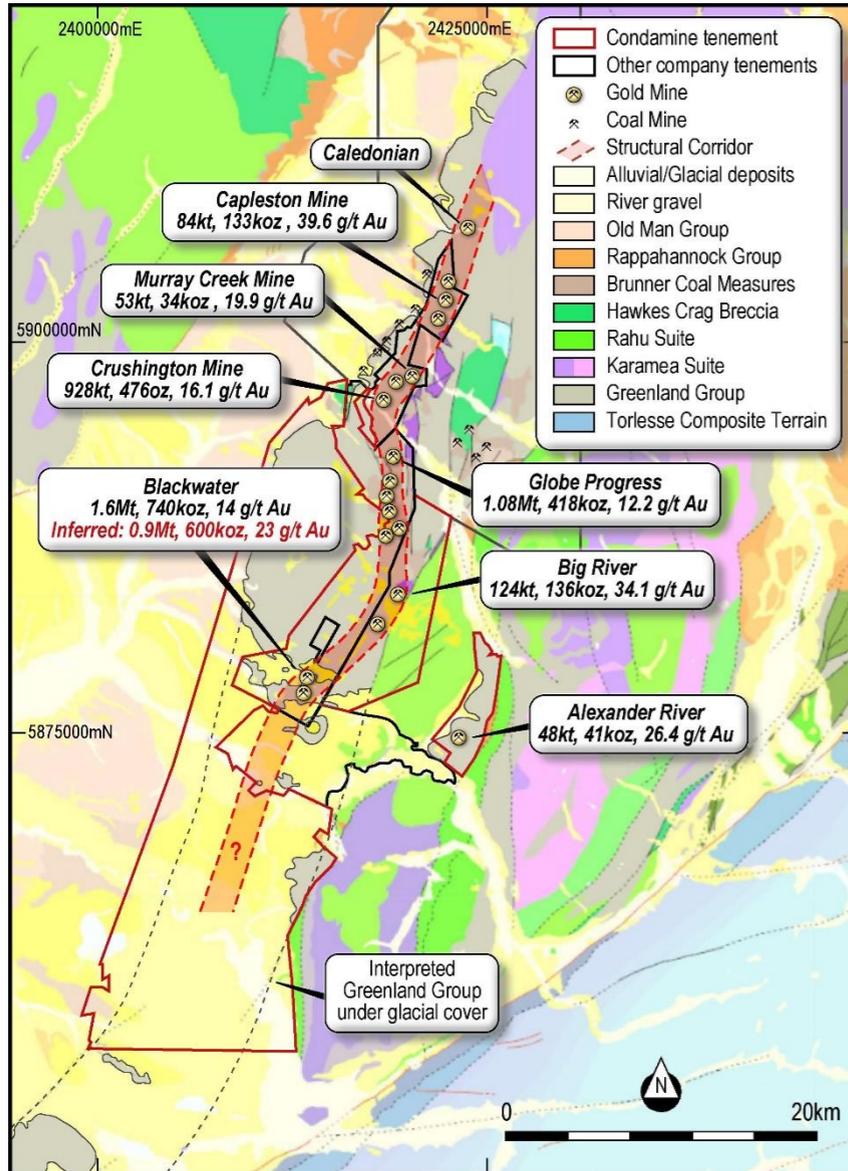
Sheeted quartz veins in adit at the Break of Day mine.



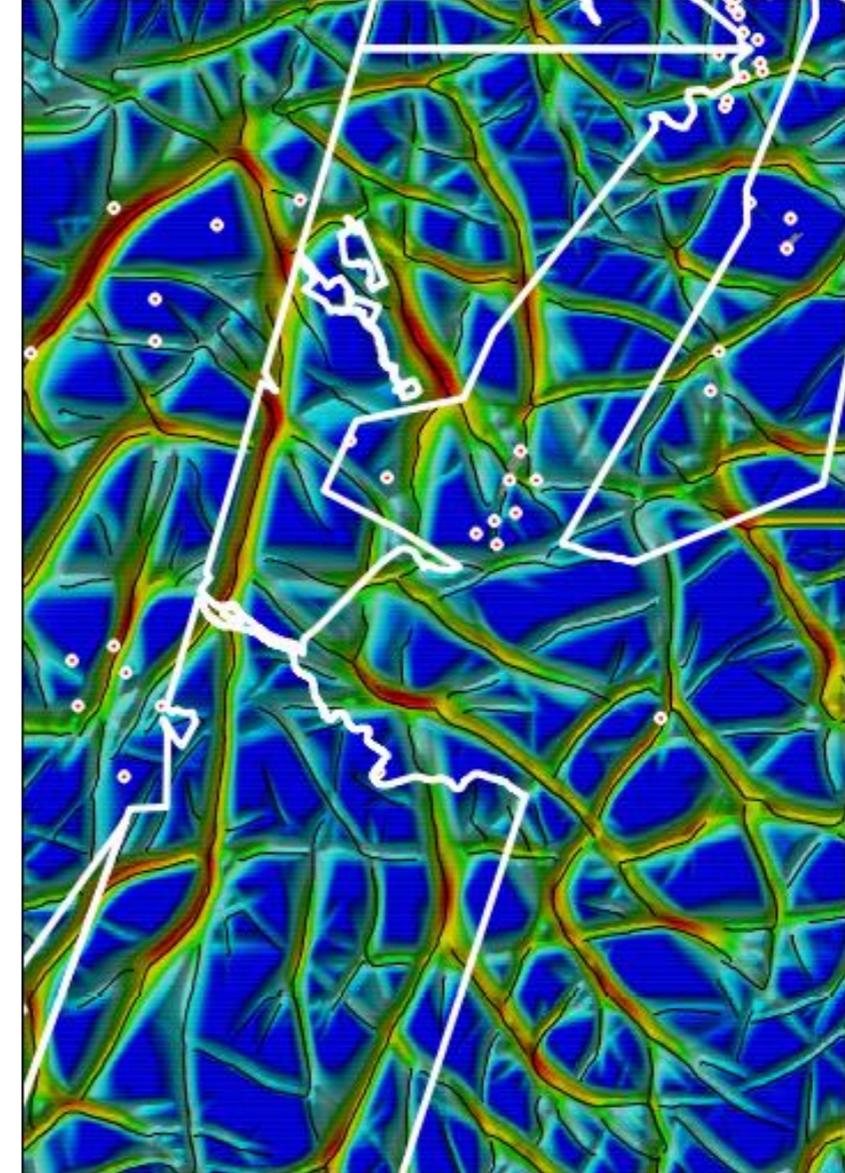
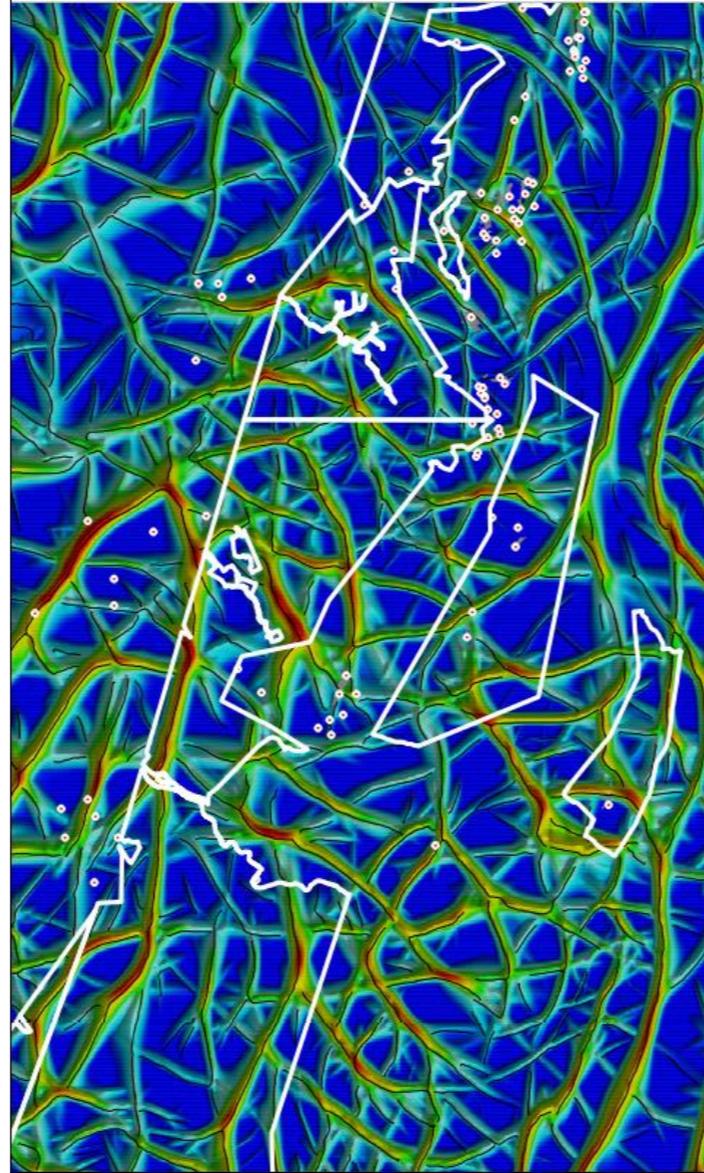
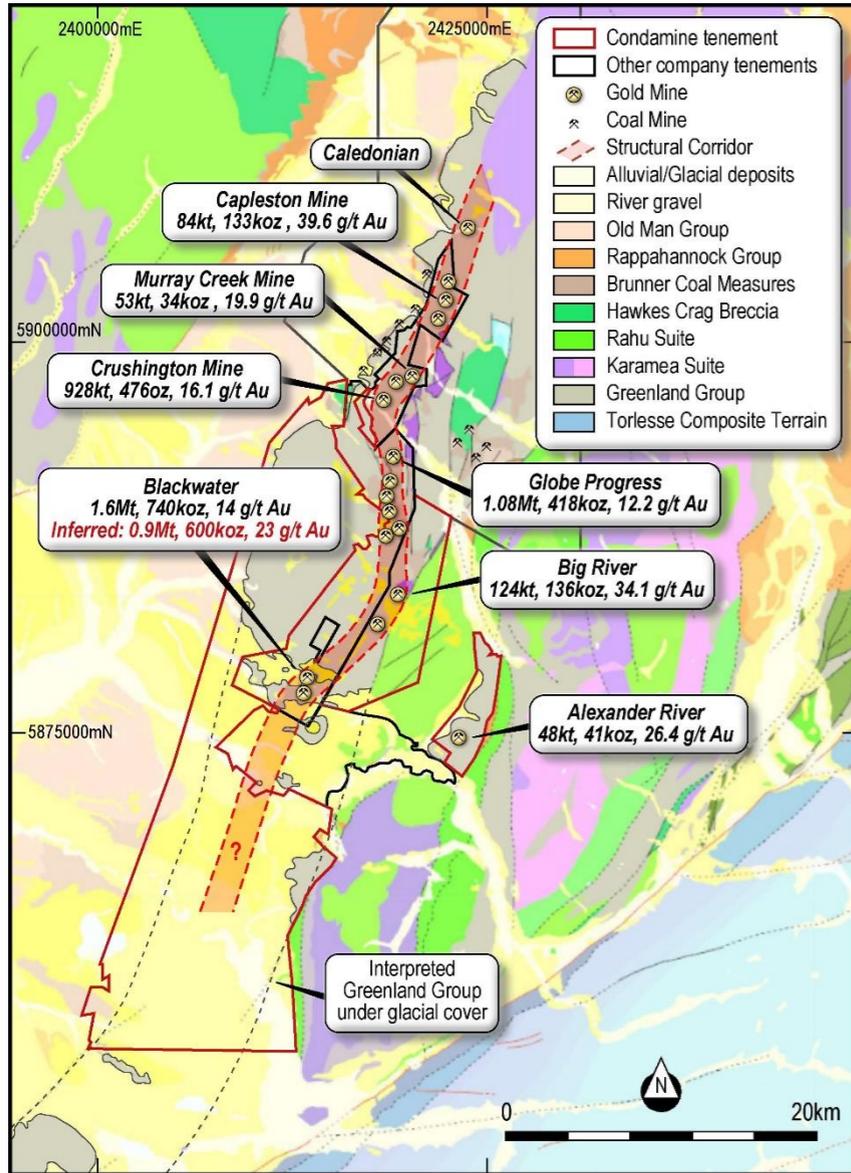
Free gold in quartz from float sample found near the Break of Day mine.



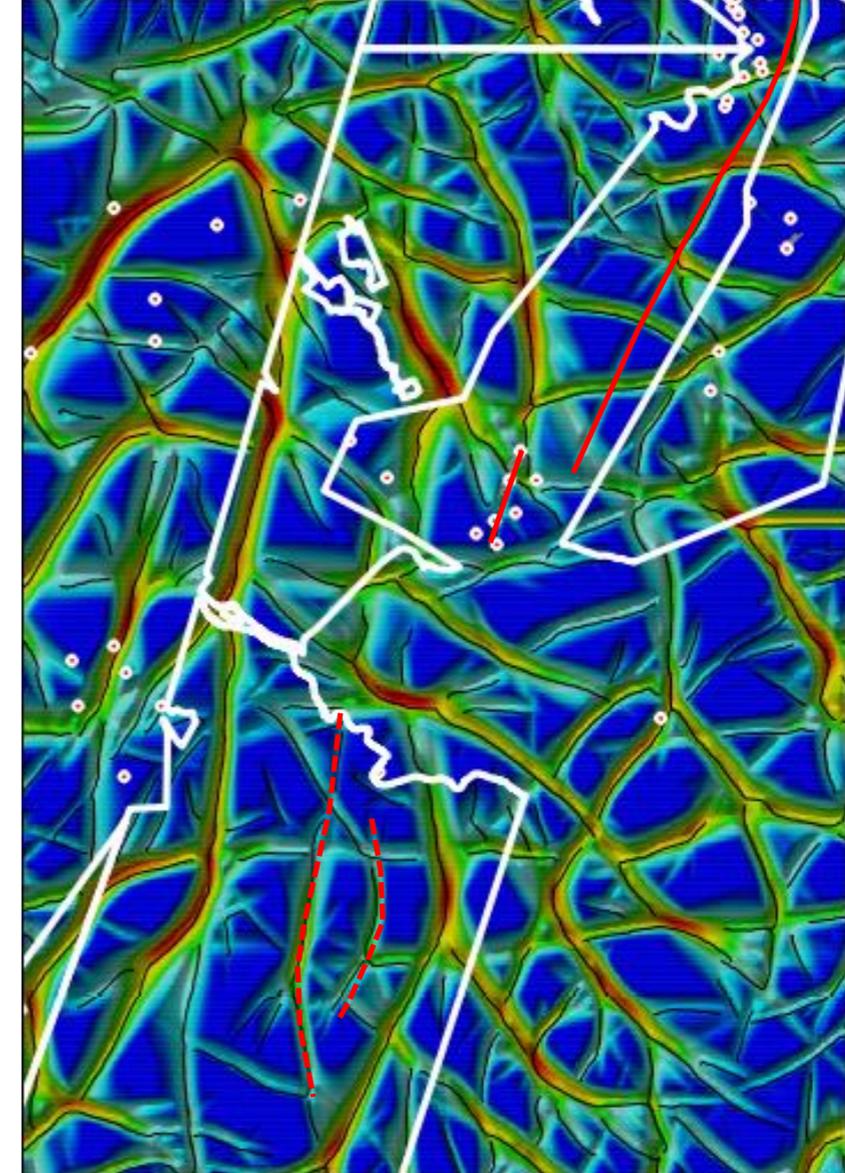
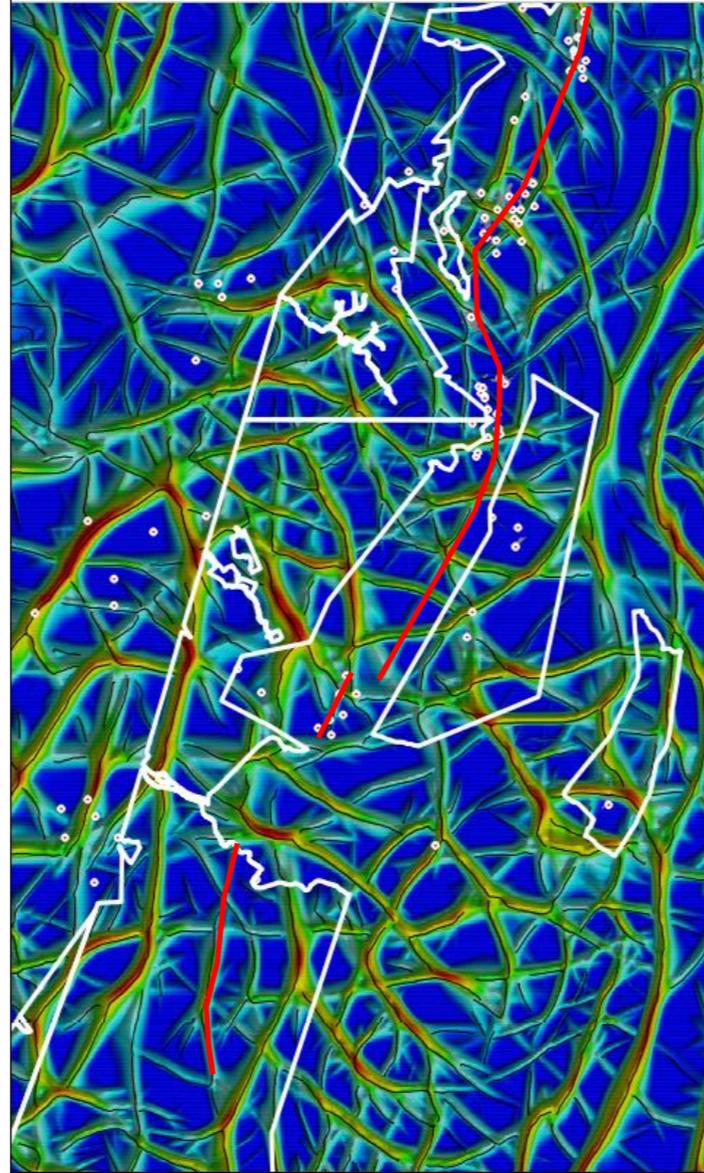
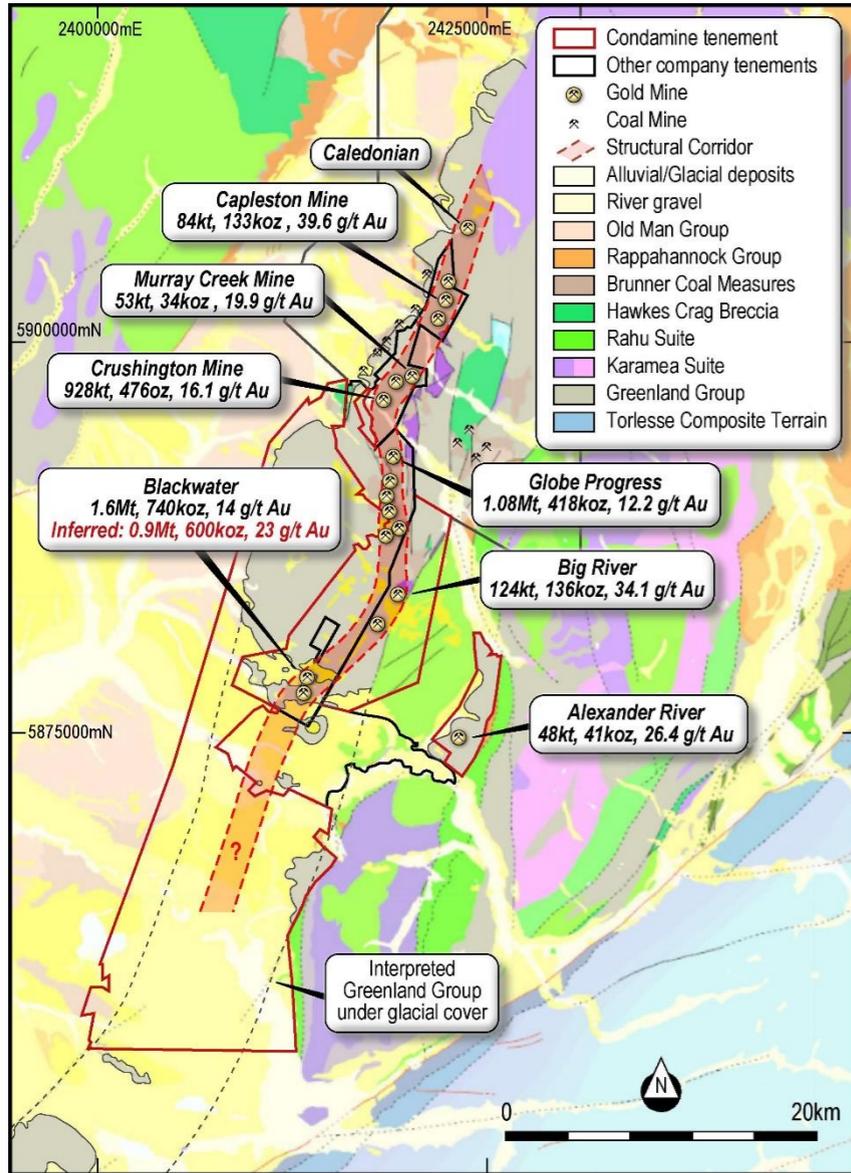
Buried Targets – How do you find the needle in the haystack?



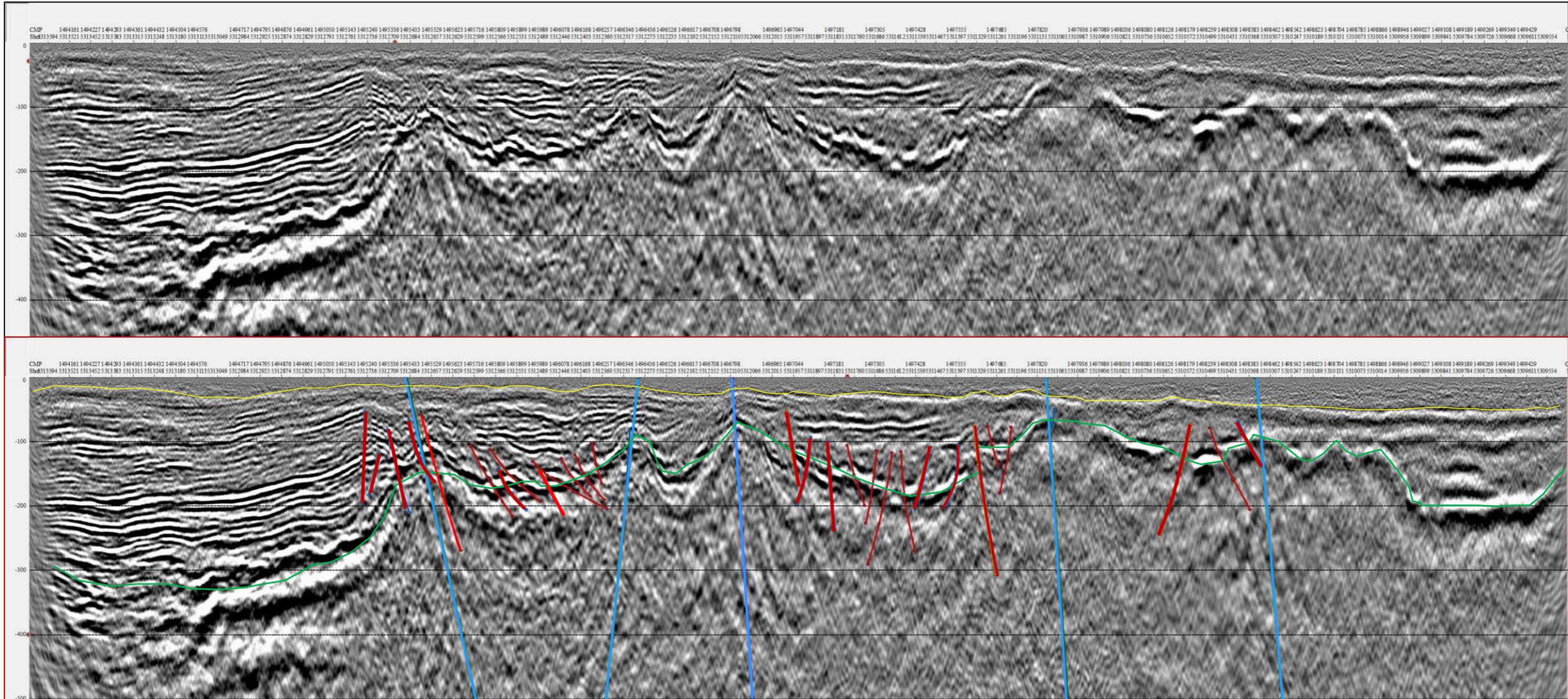
Buried Targets – Seeing through the cover



Buried Targets – Seeing through the cover



Seismic - is it the key to unlock Buried Targets



Siren Gold Summary

- Large holding in a proven high grade “goldfield”
- Significant drilling over the next two years
- Multiple opportunities for exploration success on key projects
- Huge potential for significant new discoveries

