

**SOUTHERN CROSS  
GOLD**

**SUNDAY CREEK – VICTORIAN GOLDFIELDS  
A SIGNIFICANT AUSTRALIAN GOLD DISCOVERY**

05 SEPTEMBER 2023



Foundation Member



# Important Notice and Disclaimer

## Overview

This presentation ("this Presentation") has been prepared by Southern Cross Gold Ltd [ACN 652166795] ("SXG" or the "Company") and is dated 05 September 2023.

## Summary information

This Presentation contains summary information about the current and proposed activities of SXG as at the date of this Presentation. The information in this Presentation is of a general nature and does not purport to be complete. This Presentation does not purport to contain all the information that an investor should consider when making an investment decision nor does it contain all the information which would be required in a disclosure document or prospectus prepared in accordance with the requirements of the Corporations Act. It should be read in conjunction with the Company's other periodic and continuous disclosure announcements lodged with the ASX, which are available at the ASX website [www.asx.com.au](http://www.asx.com.au) under the code "SXG". Neither SXG nor its directors, employees or advisers accept any responsibility to inform recipients specifically of any matter arising or coming to its attention after the date of this Presentation. Recipients should monitor SXG's announcements to ASX, which can be obtained from ASX website as referred to above.

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While SXG believes the statements in the Presentation are reasonable, neither SXG nor any other person gives any assurance or guarantee that the occurrence of the events expressed or implied in the Presentation will actually occur and investors are cautioned not to place undue reliance on those statements. There can be no assurance that actual outcomes will not differ materially from these forward-looking statements. A number of factors could cause actual results or performance to differ materially from the forward-looking statements, including the risk factors set out in this Presentation. Investors should consider the forward-looking statements contained in this Presentation in light of those disclosures. The forward-looking statements are based on information available to SXG as at the date of this Presentation.

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## Competent Persons Statement

Information in this presentation that relates to new exploration results contained in this report is based on information compiled by Michael Hudson, a Fellow of the Australasian Institute of Mining and Metallurgy. He is MD for Southern Cross Gold Ltd. He has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity being 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 (the JORC Code). Michael Hudson has consented to the inclusion in this report of the matters based on this information in the form and context in which it appears.

Certain information in this announcement that relates to prior exploration results is extracted from the Independent Geologist's Report dated 16 March 2022 which was issued with the consent of the Competent Person, Mr Terry C. Lees. The report is included the Company's prospectus dated 17 March 2022 which was released as an announcement to ASX on 12 May 2022 and is available at [www2.asx.com.au](http://www2.asx.com.au) under code "SXG". The Company confirms that it is not aware of any new information or data that materially affects the information related to exploration results included in the original market announcement. The Company confirms that the form and context of the Competent Persons' findings in relation to the report have not been materially modified from the original market announcement.

Certain information in this announcement also relates to prior exploration results, are extracted from the following announcements, which are available to view on [www.southerncrossgold.com.au](http://www.southerncrossgold.com.au):

[30 May, 2022](#) SDDSC033, [9 August, 2022](#) SDDSC038, [20 September, 2022](#) SDDSC040, [4 October, 2022](#) SDDSC046, [21 November, 2022](#) SDDSC050, [14 December 2022](#) SDDSC050, [28 February, 2023](#) SDDSC055, [30 March, 2022](#) SDDSC061, [16 May, 2024](#) SDDSC064, [1 June, 2023](#) SDDSC066, [29 August, 2023](#) SDDSC068, SDDSC073, [28 August, 2023](#) SDDSC078

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original document/announcement and the Company confirms that the form and context in which the Competent Person's findings are presented have not materially modified from the original market announcement.

# A Significant Australian Gold Discovery

## ○ **EXCEPTIONAL HIT RATE**

- Sunday Creek compares favorably with global leading hit rates for this stage of the project's development
  - 34 individual intersections have ranged between 50 - 100 AuEq g/t.m ("AuEq g/t x width in m") and
  - 20 individual intersections have exceeded 100 AuEq g/t.m

## ○ **DRILLING PLAN HAS THREE CLEAR OBJECTIVES THAT WILL HAVE THE LARGEST EMPHASIS OVER THE NEXT SIX MONTHS**

- Demonstrate grade
- Demonstrate volume
- Demonstrate scale

## ○ **FOUR DIAMOND DRILL RIGS OPERATING AT SITE**

- 19,626 m drilled so far in 2023
- We plan to drill an additional 26,000 m by April 2024

## ○ **NEWS FLOW CONTINUOUS**

## ○ **OVER \$15M CASH (AS OF 31 MAY, 2023)**

- Company is fully funded and permitted to execute on its strategy
  - SXG owns 133.3 ha of freehold

## SDDSC077B one of the top holes by any ASX-listed gold company this year

- Drill hole SDDSC077B **404.4 m @ 5.6 g/t AuEq (5.1 g/t Au, 0.3% Sb)** from 374.0 m (uncut)
  - Designed to demonstrate continuity of mineralised structures between 25 m to 65 m spacing around hole SDDSC050 (305 m @ 2.4 g/t AuEq traversing through thirteen high grade veins, reported 20 November 2022) at Rising Sun
  - SDDSC077B (cumulative 2,272 AuEq g/t x m) exceeded SDDSC050 (cumulative 852 AuEq g/t x m), the previous best hole, by almost three times
- SDDSC077B hole intersected 13 zones of mineralisation from 375 m to 787 m down hole depth with visible gold noted in 28 individual restricted zones.
- Seven intervals had >100 g/t Au (up to 2,679.8 g/t Au), 20 intervals had >15 g/t Au and 20 intervals had >5% Sb (up to 55.8% Sb) were intersected.
- The Rising Sun area remains open up-dip, down-dip and along strike. Drill hole SDDSC082 (in progress to a plan of 1,000 m) is targeting mineralisation 100 m below SDDSC077B and has intersected multiple zones of mineralisation from 413 m to the current depth of 870 m down hole. Visible gold has been noted in multiple individual restricted zones to date.

## SDDSC077B one of the top holes by any ASX-listed gold company this year

- **5.6 m @ 17.8 g/t AuEq** (14.1 g/t Au, 2.4% Sb) **from 392.2 m**, including:
  - **0.2 m @ 31.5 g/t AuEq** (31.4 g/t Au, 0.0% Sb) **from 392.2 m**
  - **0.4 m @ 231.6 g/t AuEq** (182.0 g/t Au, 31.4% Sb) **from 394.2 m**
- **5.4 m @ 39.3 g/t AuEq** (38.0 g/t Au, 0.8% Sb) **from 407.7 m**, including:
  - **0.4 m @ 593.6 g/t AuEq** (574.0 g/t Au, 12.4% Sb) **from 407.7 m**
- **24.0 m @ 3.6 g/t AuEq** (3.2 g/t Au, 0.2% Sb) **from 417.0 m**, including:
  - **1.5 m @ 43.1 g/t AuEq** (39.7 g/t Au, 2.1% Sb) **from 422.1 m**
  - **0.4 m @ 24.0 g/t AuEq** (17.3 g/t Au, 4.2% Sb) **from 428.2 m**
- **4.9 m @ 36.1 g/t AuEq** (20.1 g/t Au, 10.1% Sb) **from 445.2 m**, including:
  - **1.4 m @ 113.9 g/t AuEq** (66.6 g/t Au, 29.9% Sb) **from 445.2 m**
  - **0.3 m @ 54.0 g/t AuEq** (12.1 g/t Au, 26.5% Sb) **from 449.7 m**
- **33.8 m @ 3.0 g/t AuEq** (2.4 g/t Au, 0.4% Sb) **from 478.0 m**, including:
  - **1.2 m @ 11.9 g/t AuEq** (10.8 g/t Au, 0.7% Sb) **from 486.6 m**
  - **0.5 m @ 21.0 g/t AuEq** (20.9 g/t Au, 0.0% Sb) **from 491.9 m**
  - **1.0 m @ 19.6 g/t AuEq** (10.1 g/t Au, 6.0% Sb) **from 498.5 m**
  - **0.2 m @ 183.2 g/t AuEq** (168.0 g/t Au, 9.6% Sb) **from 500.9 m**
  - **0.3 m @ 6.1 g/t AuEq** (5.5 g/t Au, 0.4% Sb) **from 506.6 m**
- **6.5 m @ 10.2 g/t AuEq** (2.8 g/t Au, 4.7% Sb) **from 573.0 m**, including:
  - **2.6 m @ 24.1 g/t AuEq** (6.3 g/t Au, 11.3% Sb) **from 574.0 m**
- **6.9 m @ 205.2 g/t AuEq** (204.5 g/t Au, 0.4% Sb) **from 733.8 m**, including:
  - **1.1 m @ 9.8 g/t AuEq** (9.5 g/t Au, 0.2% Sb) **from 737.1 m**
  - **0.8 m @ 1,741.5 g/t AuEq** (1,736.4 g/t Au, 3.3% Sb) **from 739.9 m**:
    - Including **0.4 m @ 731.2 g/t AuEq** (731.0 g/t Au, 0.1% Sb) **from 739.9 m**
    - Including **0.4 m @ 2,679.8 g/t AuEq** (2,670 g/t Au, 6.2% Sb) **from 740.3 m**



# Strategy Unpacked

## ○ GRADE

- Add and connect the existing high-grade zones in and around
  - Rising Sun: SDDSC046: **2.1 m @ 121.6 g/t AuEq** and **SDDSC077B 0.8 m @ 1741.5 g/t AuEq**
  - Apollo: SDDSC066: **10.4 m @ 22.4 g/t AuEq** incl. **1.0 m @ 224.3 g/t AuEq**

## ○ VOLUME

- Along strike and down-dip by step-out drilling to add to the existing mineral endowment
  - Rising Sun: **SDDSC050: 305 m @ 2.4 g/t AuEq** and **SDDSC077B 404.4 m @ 5.6 g/t AuEq** at Rising Sun
- To date our focus area has been a 1,000 m strike to 1,000 m depth, of which we have only tested less 50%
- All mineralised occurrences at Apollo, Rising Sun, Golden Dyke and Christina are all open down dip and along strike

## ○ SCALE

- Exploration at Sunday Creek has district-scale potential
- There is an 11 km mineralized trend extending beyond the initial target drill area, defined by historic workings and soil sampling. This large footprint is being drill tested for the very first time at the Tonstal, Consols and Leviathan prospects
- Twelve holes for 2,383 m have now been completed within the regional area between 3,500 m to 7,500 m along strike from the core drill area. Results from the program will soon be available

# Corporate Structure – A Tight Register

## Capitalisation Summary

Share Price (31 Aug 2023)	A\$0.50
Shares Issued	184.0M
Fully Diluted	204.3M
Basic Market Capitalisation	A\$92.0M
Cash (31 May 2023)	A\$15.2M

## Major Shareholder Summary

	%
Institutions	12.4
Corporates	51.0
Board and Management (non-look through)	1.5
TOTAL	64.9

## Other Data

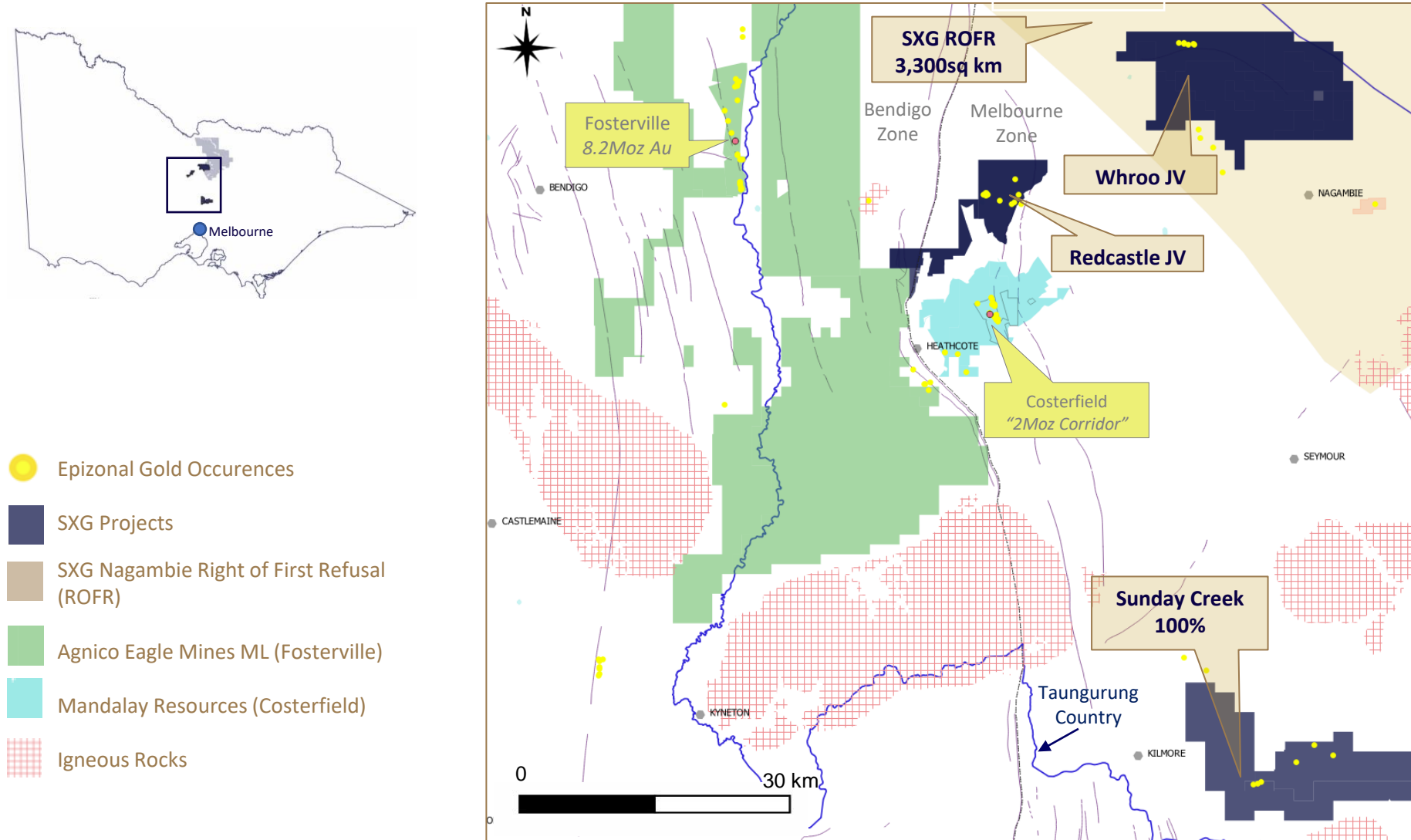
Options @ A\$0.30	15.3M
Options @ A\$0.66	2.0M
Options @ A\$0.87	3.0M
Escrowed shares	93.9M
% Free Float	48.9%

## Share Price Performance – 1 Year

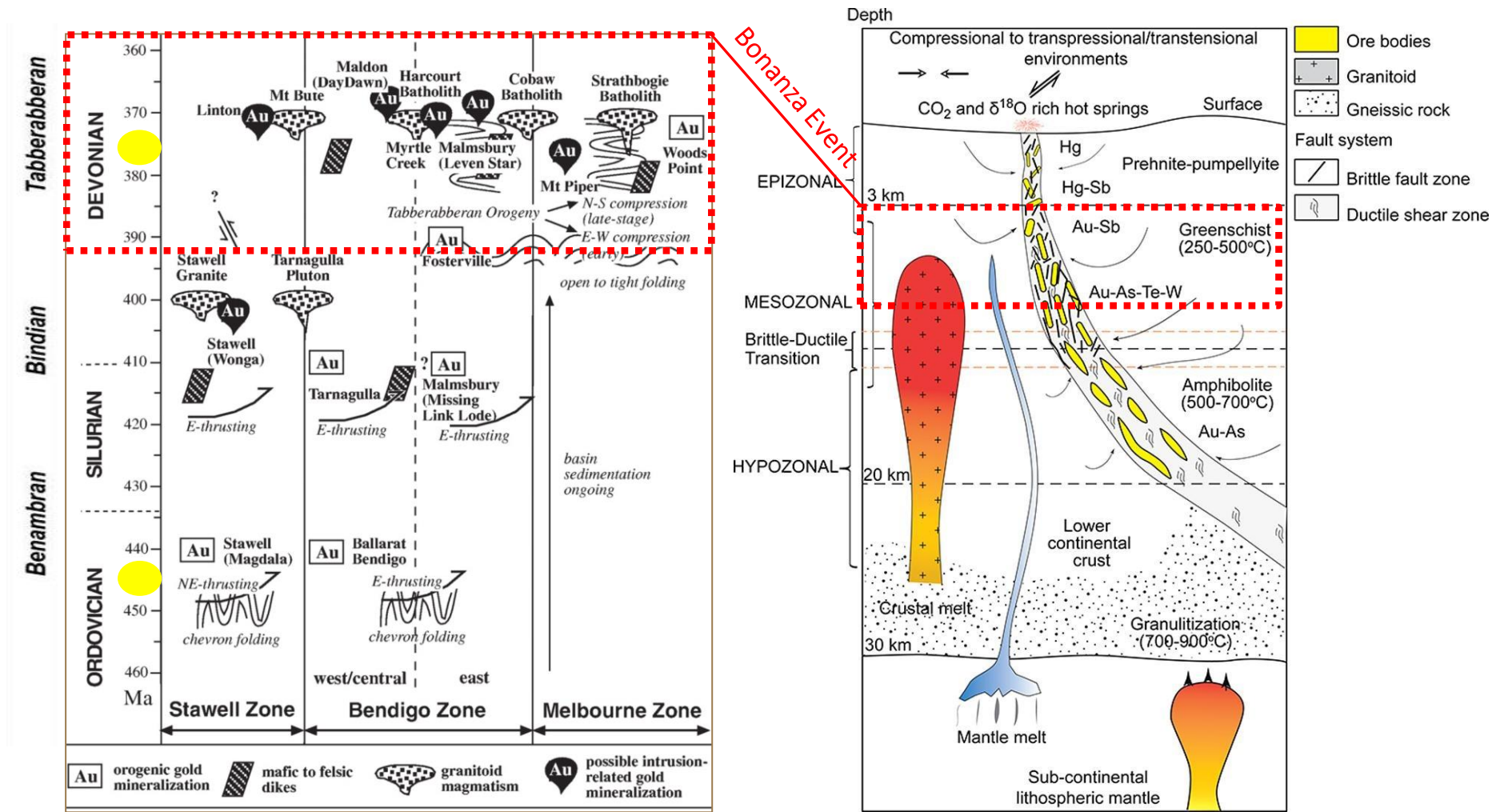




## SXG – Controls three of the nine epizonal fields in Victoria



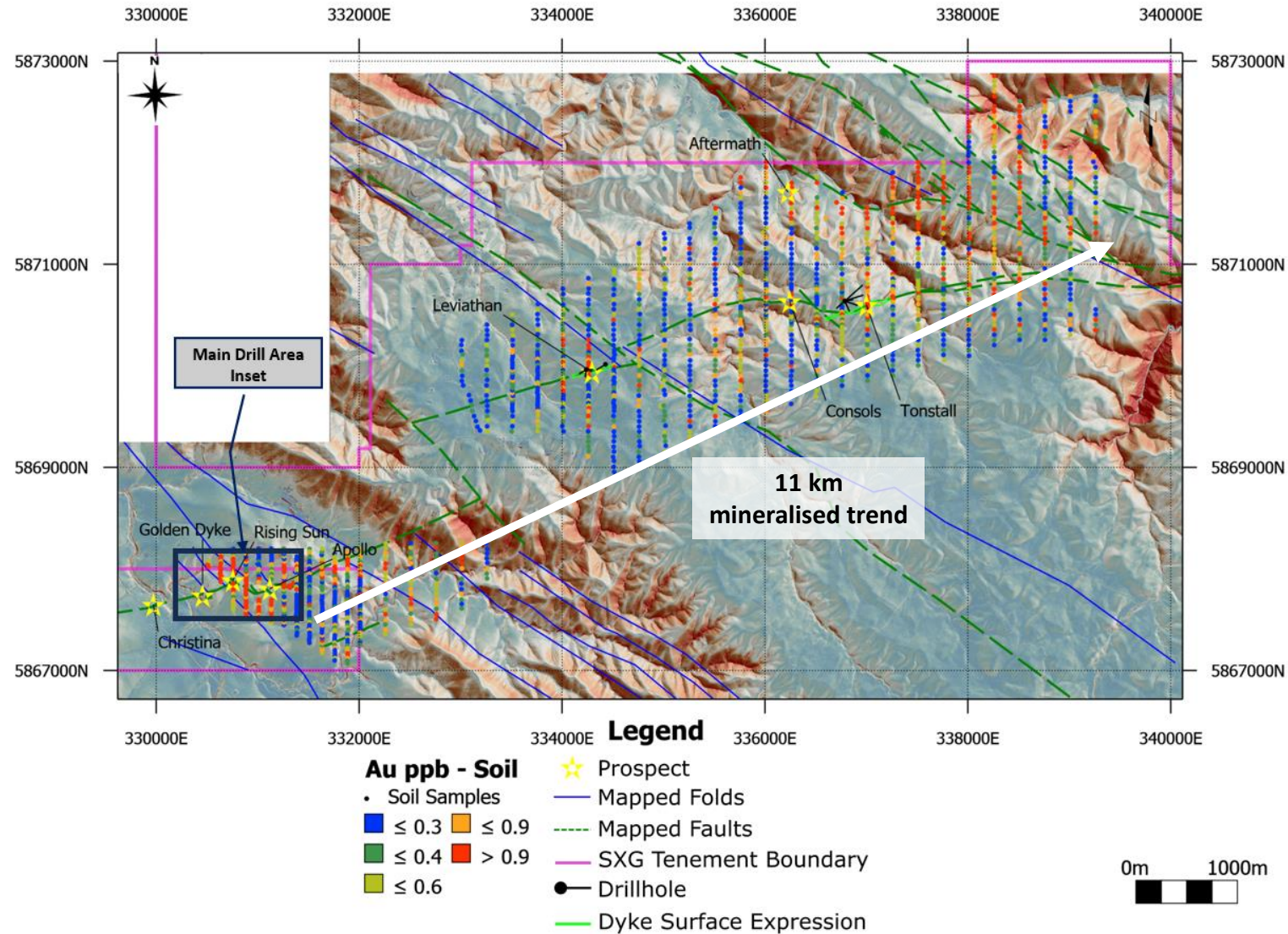
## Our Focus



Modified from: [pubs.geoscienceworld.org/segweb/economicgeology/article/100/2/385/151101/POSSIBLE-INTRUSION-RELATED-GOLD-SYSTEMS-IN-THE](https://pubs.geoscienceworld.org/segweb/economicgeology/article/100/2/385/151101/POSSIBLE-INTRUSION-RELATED-GOLD-SYSTEMS-IN-THE)

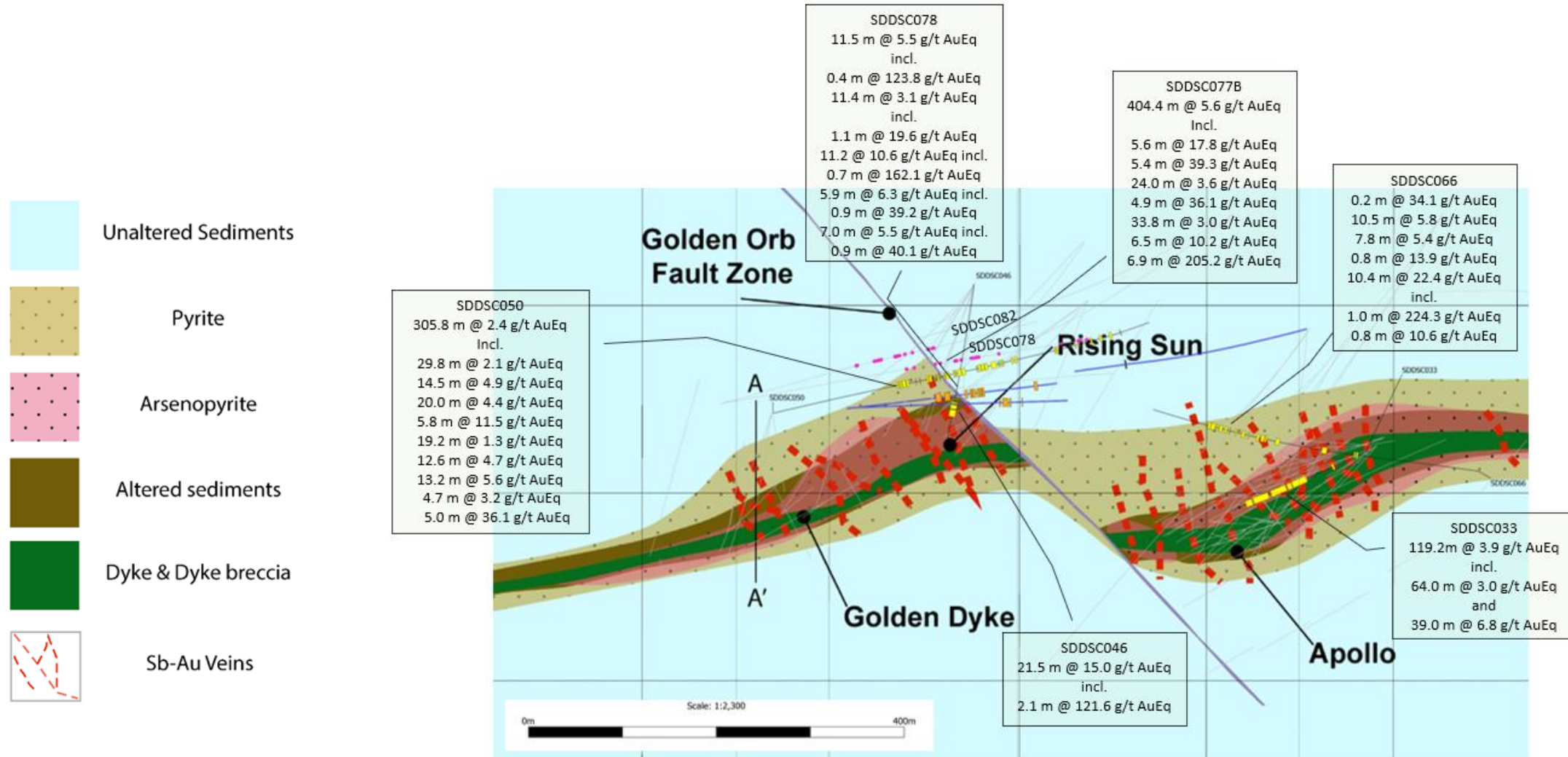
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# Regional Scale – Plan View

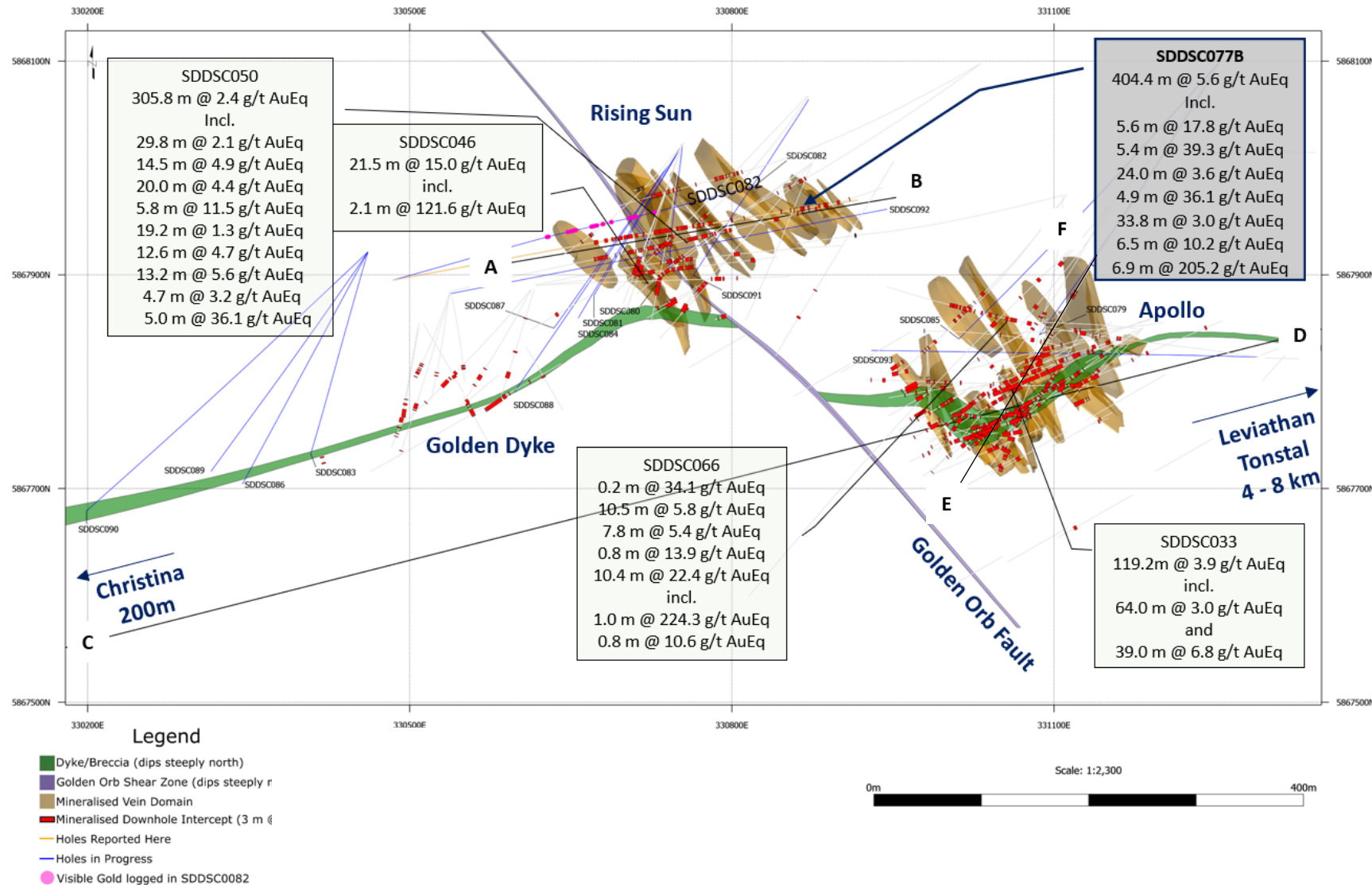




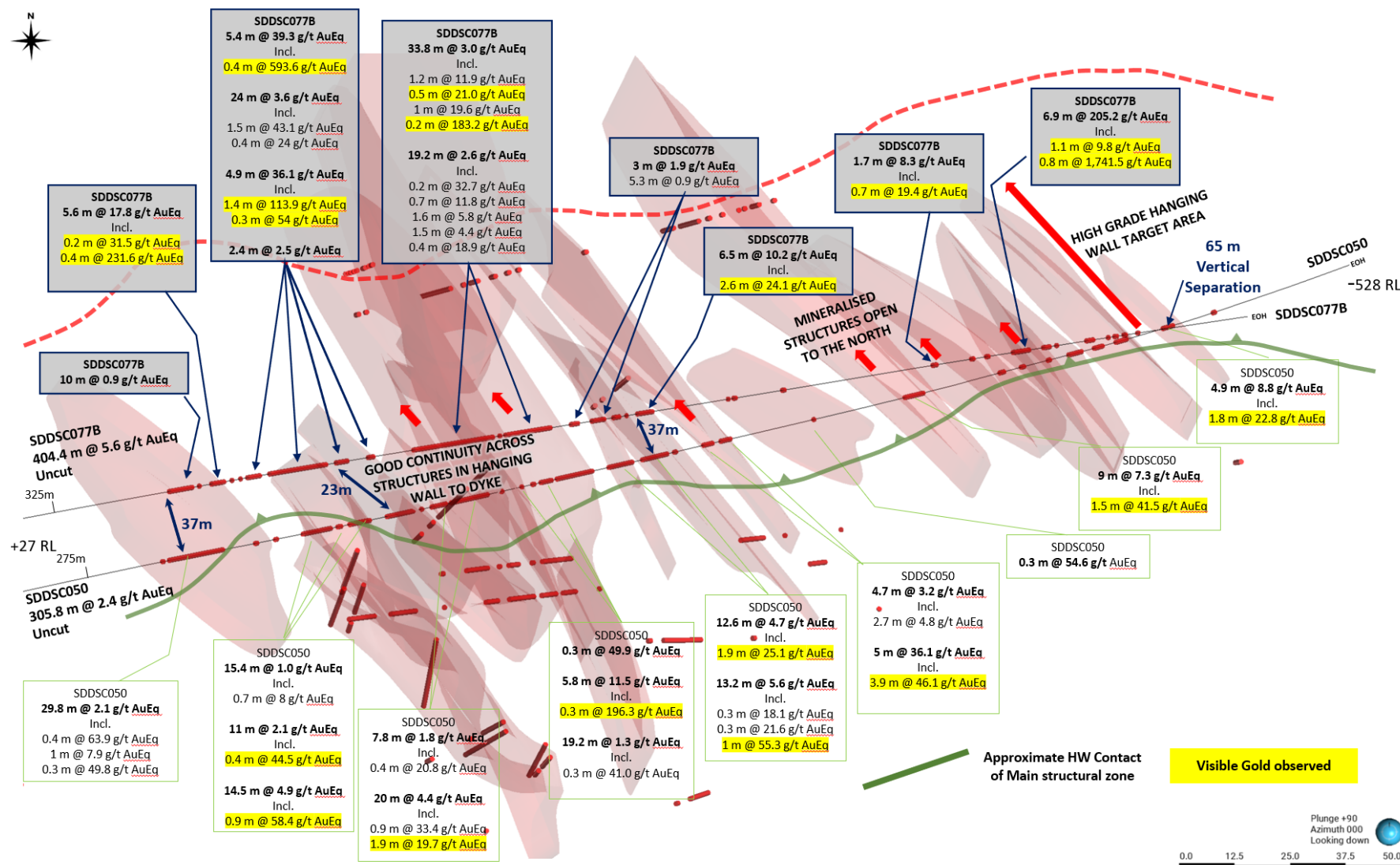
# Schematic Plan View Main Drill Area



# Schematic Plan Main Drill Area – Predictable and Continuous Host



# Rising Sun – Unconstrained plan view showing continuity and scale

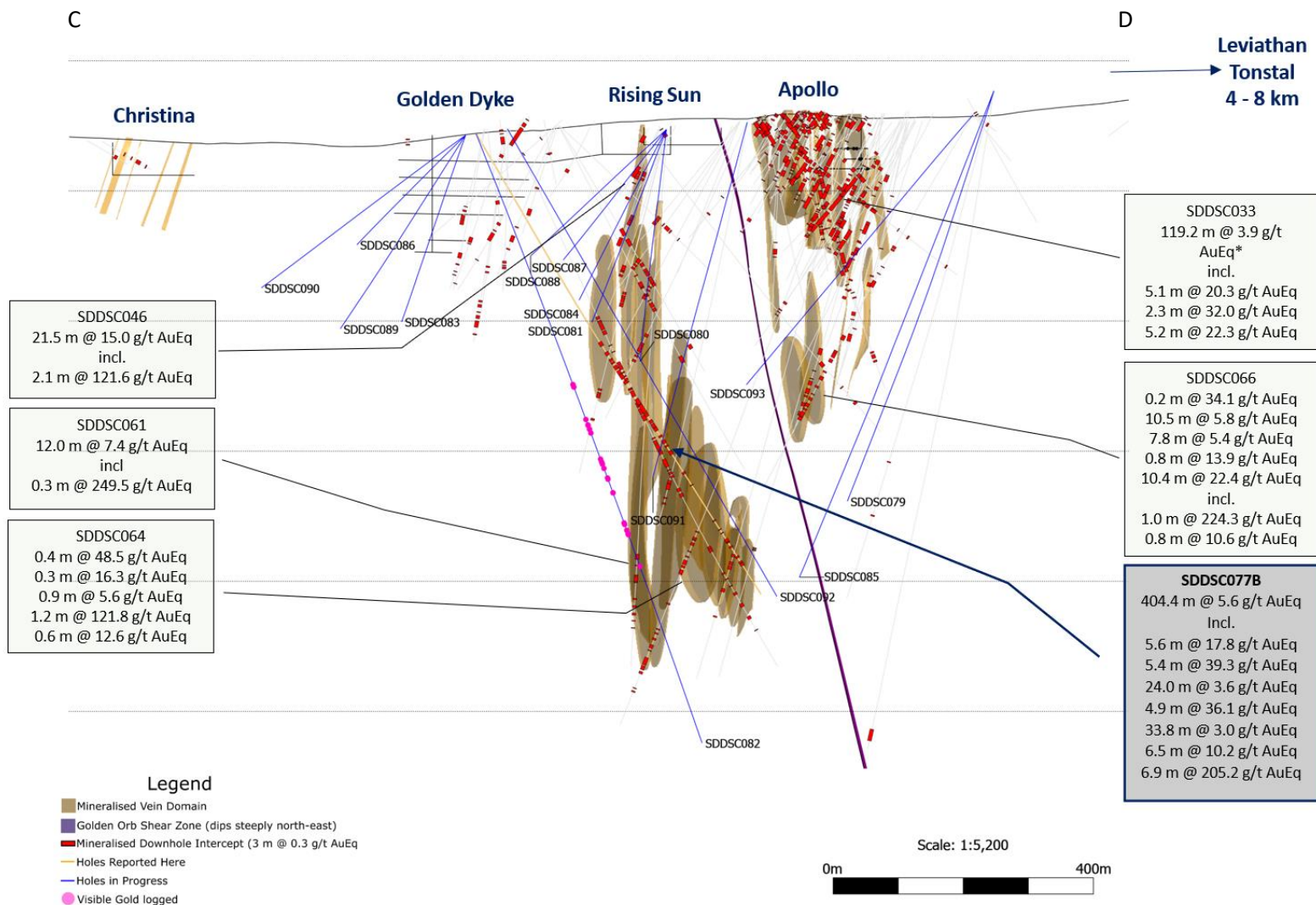


SDDSC077B intersected **404.4 m @ 5.6 g/t AuEq (5.1 g/t Au, 0.3 %Sb)** from 374.0 m (uncut), and traverses 13 individual high grade vein sets

Seven intervals have >100 g/t Au (up to 2,670 g/t Au), 20 intervals have >15 g/t Au and 20 intervals have >5% Sb (up to 55.8% Sb)

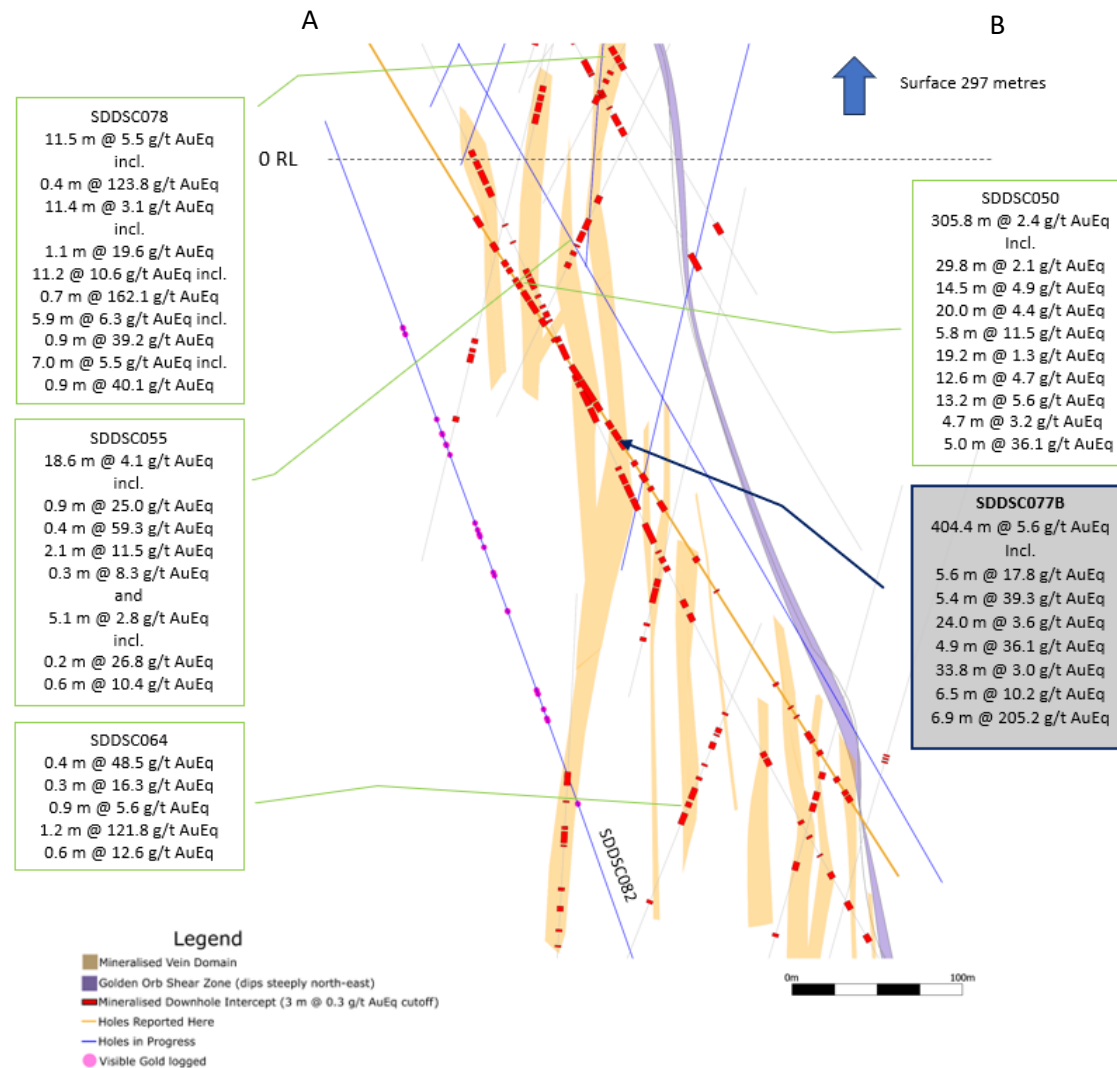


# Sunday Creek – Longitudinal section

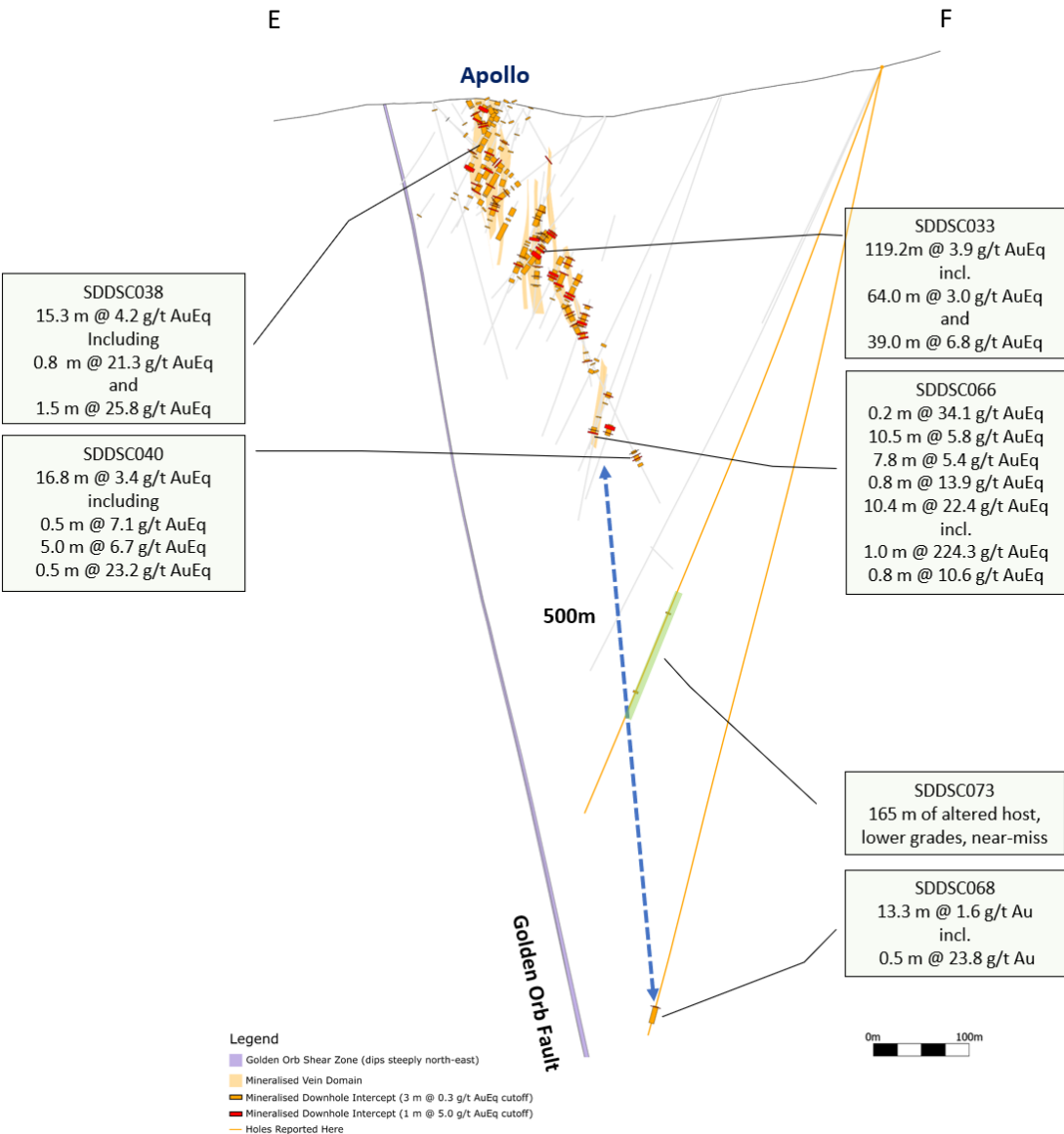




# Rising Sun Cross Section

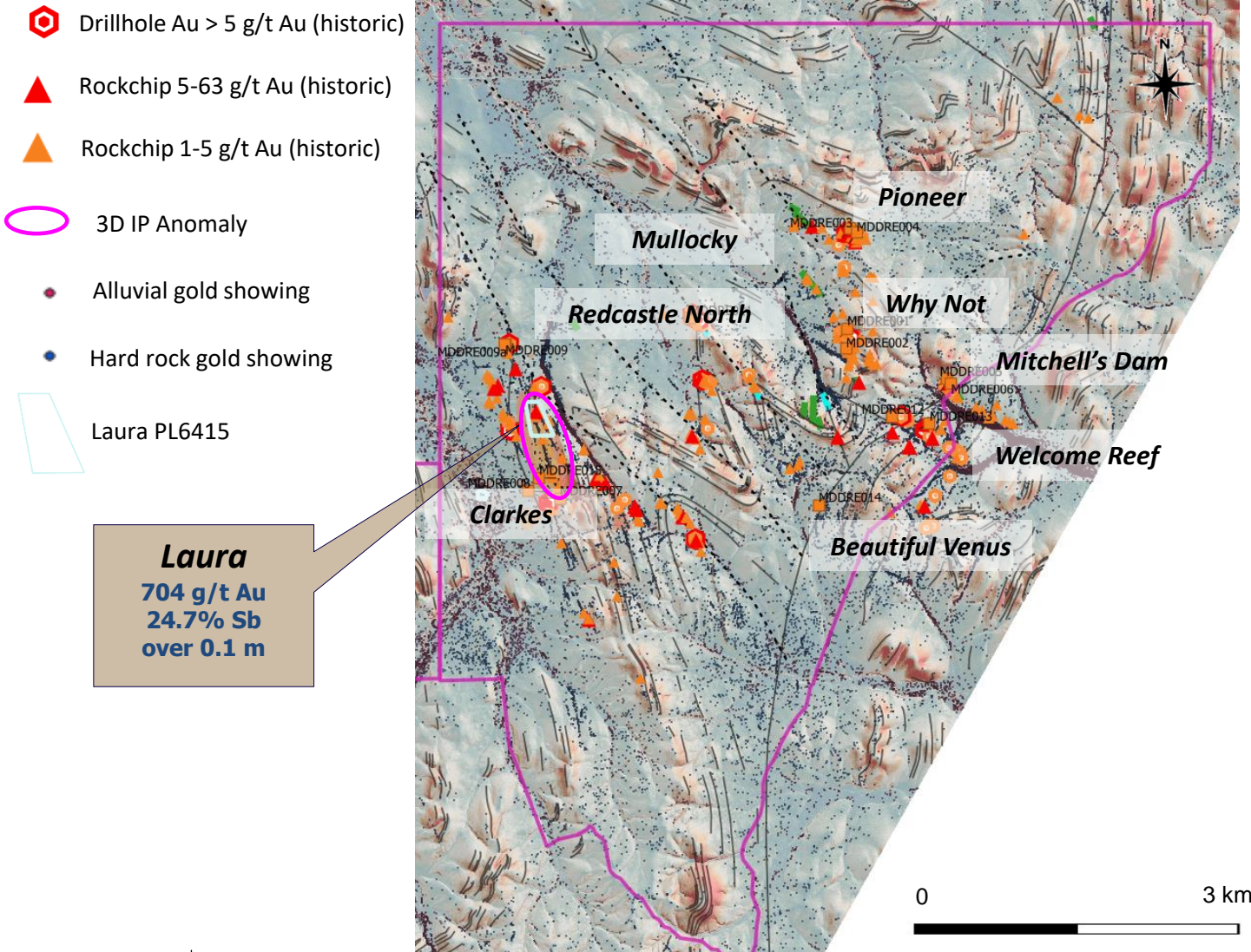


# Apollo Cross Section



# Redcastle

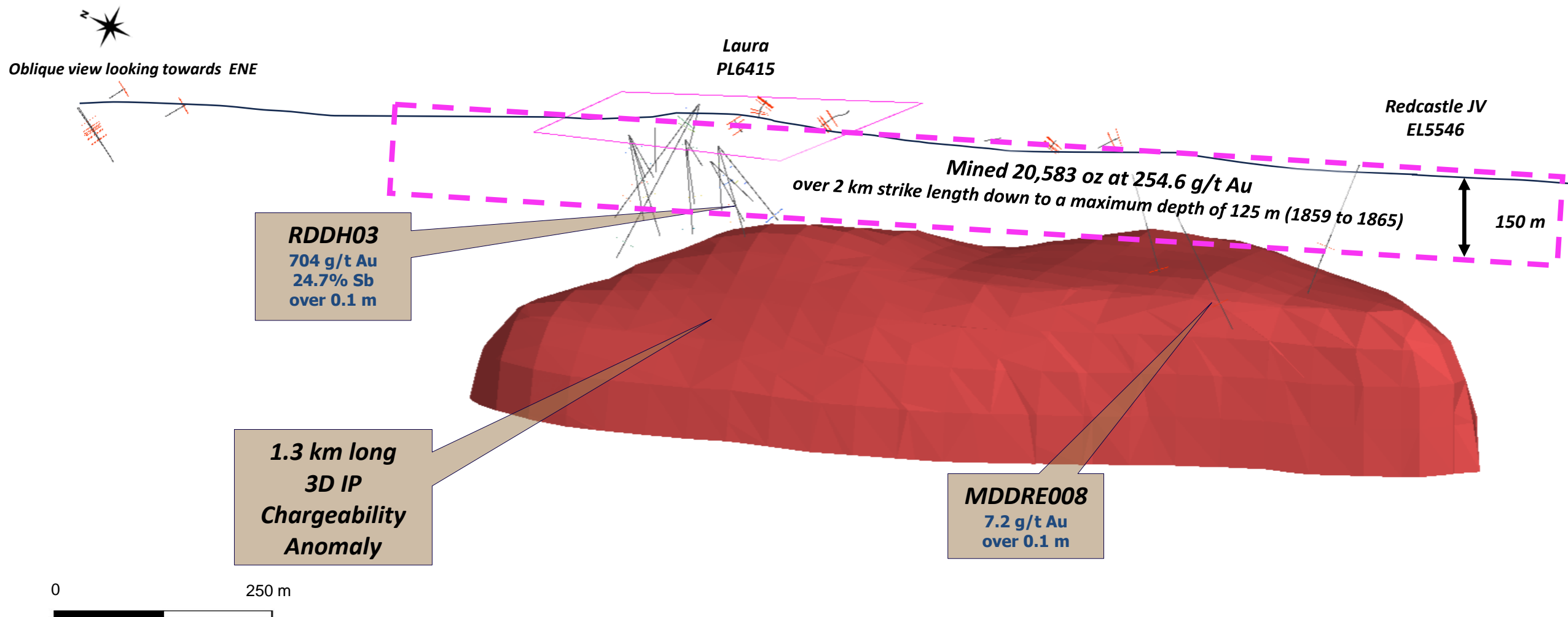
*Laura Acquisition: Drill discovery, next project at scale – 17km of workings to test*



- LOCATED 2 KM IMMEDIATELY NORTH OF MANDALAY RESOURCES' COSTERFIELD MINE AND EXPLORATION.
- HIGH GRADE DRILL DISCOVERY TO EXPAND UPON AND TO BUILD ANOTHER PROJECT OF SCALE FOR SXG
  - 0.1 m @ 743.0 g/t AuEq (704.0 g/t Au, 24.7 %Sb)
  - 0.2 m @ 28.1 g/t AuEq (27.9 g/t Au, 0.1 %Sb)
  - 0.2 m @ 20.0 g/t AuEq (17.5 g/t Au, 1.6 %Sb)
  - 0.1 m @ 42.9 g/t AuEq (20.0 g/t Au, 14.5 %Sb)
  - 0.1 m @ 20.2 g/t AuEq (10.1 g/t Au, 6.4 %Sb)
  - 0.1 m @ 12.5 g/t AuEq (5.8 g/t Au, 4.3 %Sb)
- FORMS A KEY GEOPHYSICAL TARGET WITHIN THE REDCASTLE GOLDFIELD, WITH A 1.3 KM-LONG COHERENT UNDERLYING INDUCED POLARIZATION ("IP") CHARGEABILITY ANOMALY

# Redcastle

## 3D IP Chargeable Anomaly – at depth beneath Laura high-grade drilling and mines

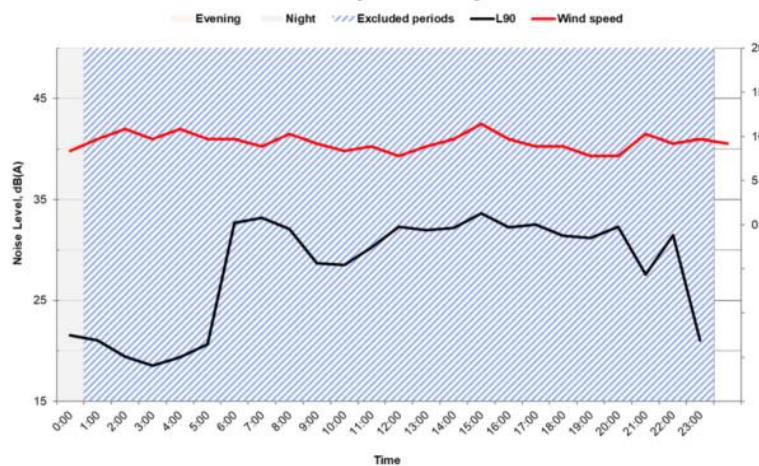




# Positioning for Development

Our primary focus is to target grade, build volume and demonstrate regional scale, however the company is actively de-risking the project through pre-development activities to be in an optimal position for design, feasibility studies and permitting

## ENVIRONMENTAL BASELINE STUDIES



## STAKEHOLDER ENGAGEMENT

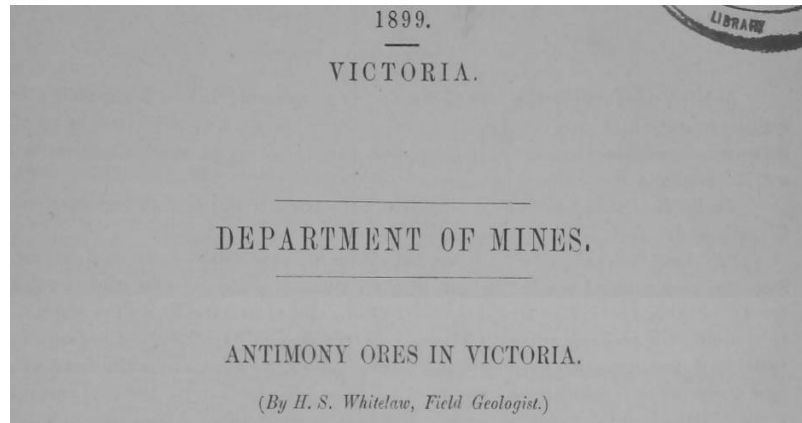


## PRELIMINARY METALLURGICAL TESTWORK



**All ongoing**

# Antimony – Yesterday's and Today's Critical Metal



- During the 1870s antimony production increased in Victoria because of the European wars.
- The Victoria gold mining industry practically closed at the onset of WW1
  - Except antimony, mandated by the Imperial Government under the Munitions Act, 1915 to ship concentrates to the St. Helens Smelting and Refining Company in the UK

## The Critical Minerals Institute Identifies the 14 Most Elusive Critical Minerals in the World and Launches New Website

📅 January 18, 2023(<https://criticalmineralsinstitute.com/2023/01/18/>)

📰 News Releases (<https://criticalmineralsinstitute.com/category/news-releases/>)



1. Antimony (Sb)
2. Bismuth (Bi)
3. Cobalt (Co)
4. Gallium (Ga)
5. Graphite (C)
6. Indium (In)
7. Lithium (Li)
8. Magnesium (Mg)
9. Niobium (Nb)
10. Platinum Group of Metals (PGMs)
11. Rare Earth Elements – Of the 17 REEs, the CMI prioritizes the following 4: Neodymium (Nd), Praseodymium (Pr), Dysprosium (Dy) and Terbium (Tb).
12. Tantalum (Ta)
13. Tungsten (W)
14. Vanadium (V)

# Our People

- Locally based staff – living in the communities in which we work
- Australian based board – focused on creating an ethical, shared value company with strong ESG credentials that employees and investors can be proud of



*From our Welcome to Country Smoking Ceremony day with elders Aunty Joan and Uncle Mick from the traditional owners – Taungurung Land & Waters Council*



# Directors and Key Management



## Tom Eadie | Non- Executive Chairman

- Explorer, mining executive and company director with many significant mineral discoveries and several successful companies to his name (Pasminco, Syrah, Copper Strike)
- Geologist with over 40 years' experience in the resources industry



## Michael Hudson | Managing Director

- Explorationist and entrepreneur, developed and financed mineral exploration properties globally over 30 years (raising +\$200m). Key member behind multiple discoveries
- Founder and director of Mawson Gold Ltd (TSX:MAW) and Hannan Metals Ltd (TSXV:HAN)



## Georgina Carnegie | Non-Executive Director

- Experienced executive within Australian government and global corporate sectors
- Advisory roles in public and private mining and insurance sectors, OECD, Asian business councils and Australian university sector



## David Henstridge | Non-Executive Director

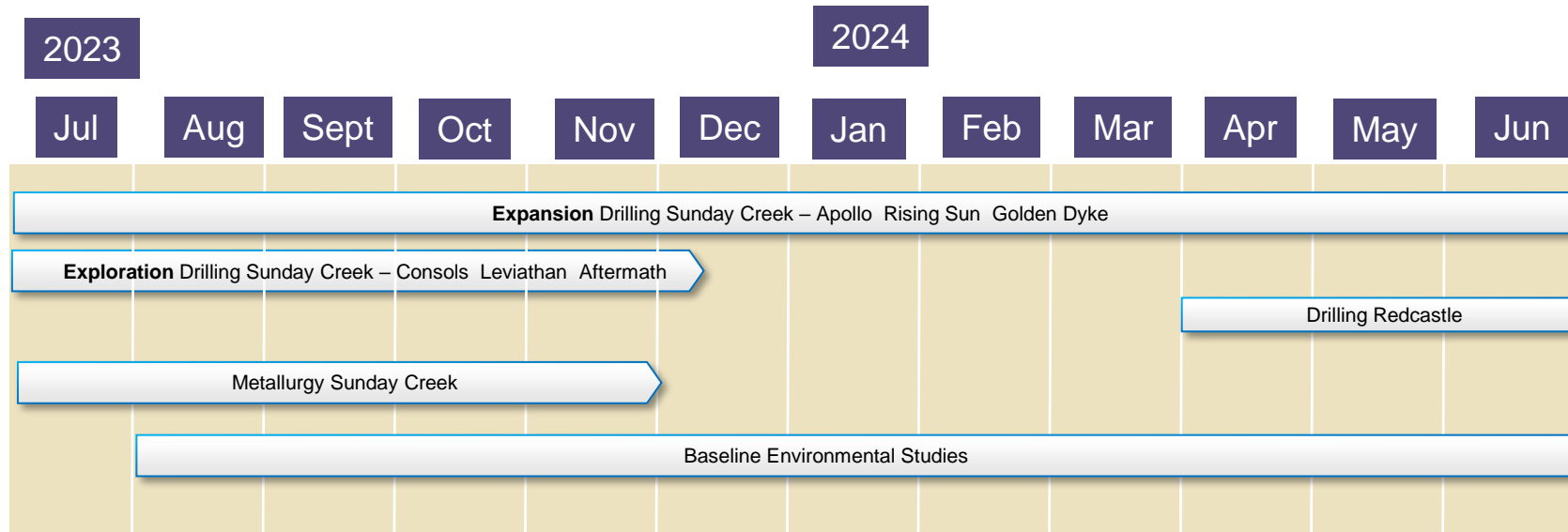
- Geologist with over 50 years' experience in the mining industry including 20 years in managing public-listed companies
- Associated with many mineral discoveries worldwide including in Australia, Peru & Finland



## Lisa Gibbons | General Manager

- Lisa Gibbons has over 30 years experience as a geologist in exploration and resource development, both in Australia and overseas
- While working for Southern Cross Gold, Lisa won the MCA Victoria 2022 Exceptional Woman in Victorian Resources Award for her career achievements, advocacy of women and contribution to social licence and the community

# Aggressive Exploration Program – Staying on the Lassoonde Curve



- **DRILLING PLAN HAS THREE CLEAR OBJECTIVES THAT WILL HAVE THE LARGEST EMPHASIS OVER THE NEXT SIX MONTHS**
  - Demonstrate grade, demonstrate volume, demonstrate scale
- **FOUR DIAMOND DRILL RIGS OPERATING AT SITE,**
  - The plan is to drill an additional 26,000 m by April 2024
  - 19,626 m drilled so far in 2023

# Southern Cross Gold – A Compelling Opportunity

- **SUNDAY CREEK (100%) – A SCARCE AND HIGH-QUALITY ASSET**
  - Consistently wide intercepts defining large and continuous zones with predictable high-grade components
  - Highly prospective setting with multiple avenues to unlock potential
- **DRILLING PLAN HAS THREE CLEAR OBJECTIVES THAT WILL HAVE THE LARGEST EMPHASIS OVER THE NEXT SIX MONTHS**
- **FOUR DIAMOND DRILL RIGS OPERATING AT SITE**
  - The plan is to drill an additional 26,000 m by April 2024
  - 19,626 m drilled so far in 2023
- **CONTINUOUS NEWS FLOW**
- **OVER \$15M CASH (AS OF 31 MAY, 2023)**
- **COMPANY IS FULLY FUNDED AND PERMITTED TO EXECUTE ON ITS STRATEGY**
  - SXG owns 133.3 ha of freehold land

# Contact us

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**Sources for Slides****SXG Results**

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