



Bankan Project

Unveiling a Major West African Gold Discovery

APRIL 2021

ASX:PDI

Forward Looking Statements & Disclaimer

This presentation contains only a brief overview of Predictive Discovery Ltd and its associated entities (“PDI or Predictive”) and their respective activities. The contents of this presentation, including matters relating to the geology of the projects, may rely on various assumptions and subjective interpretations which it is not possible to detail in this presentation and which have not been subject to any independent verification.

This presentation contains a number of forward-looking statements. Known and unknown risks and uncertainties, and factors outside of Predictive’s control, may cause the actual results, performance and achievements of PDI to differ materially from those expressed or implied in this presentation.

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Competent Person Statement

The exploration results reported herein are based on information compiled by Mr Paul Roberts (Fellow of the Australian Institute of Geoscientists). Mr Paul Roberts is a full-time employee of the company and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration to qualify as a Competent Person as defined by the 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr Roberts consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The Company has released all material information that relates to Exploration Results on a continuous basis to ASX and in compliance with JORC 2012. The Company confirms that it is not aware of any new information that materially affects the content of this release.

Nearing a Maiden Resource Estimate at Bankan

Resource on-track at Bankan with multiple rigs on-site

Approximately **70,000m of drilling completed** to date with **3 active rigs** on-site aggressively drilling in order to advance towards delivering a Maiden JORC-compliant Resource in the coming months

Resource to be underpinned by 2 significant greenfields discoveries

NE Bankan

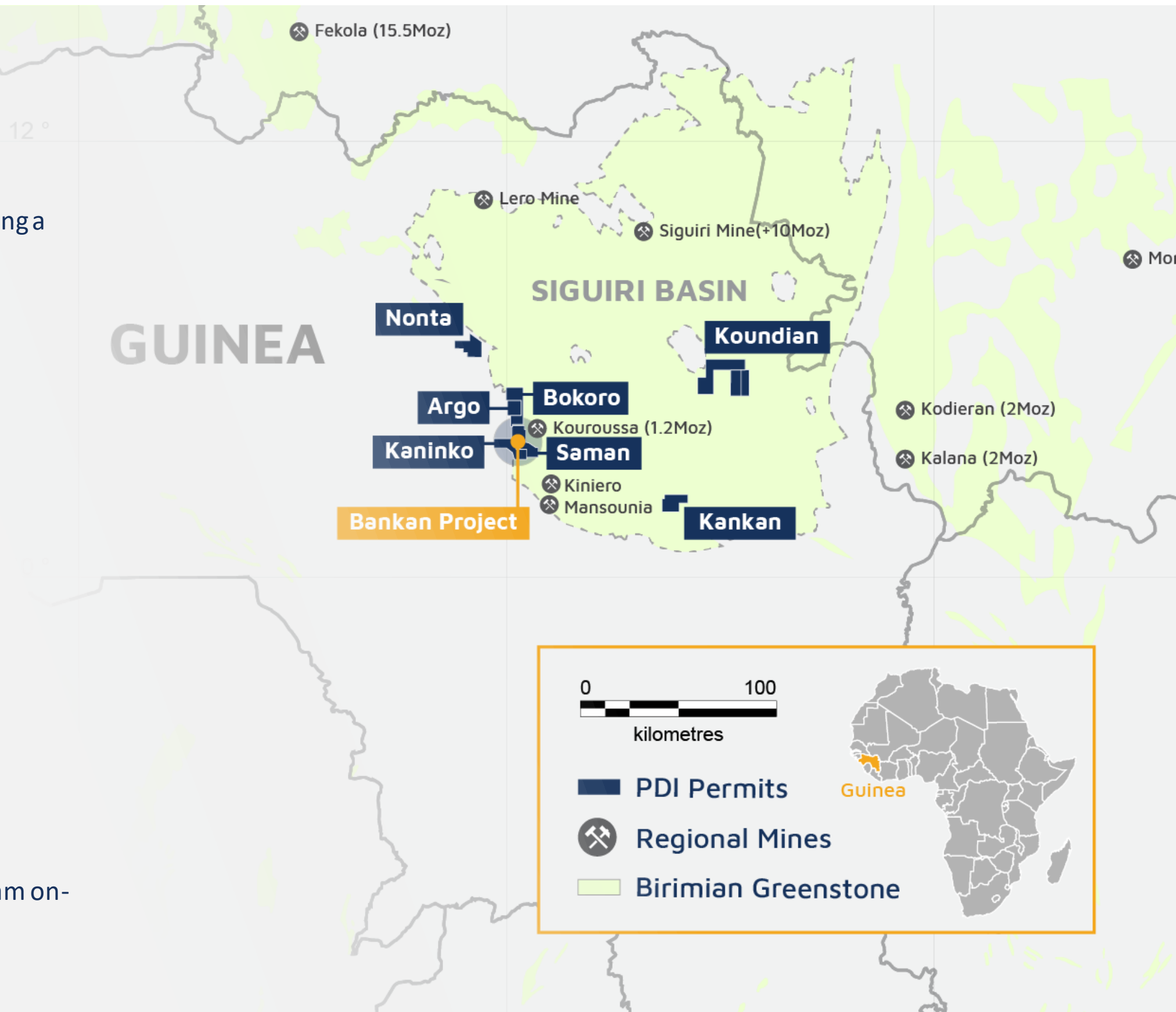
1.6km long zone of shallow, oxide, gold mineralisation which remains open at depth and along strike

Bankan Creek

Located 3km to the west of NE Bankan, a second gold mineralised system with potential to materially contribute to the Mineral Resource Estimate

Additional discovery leverage via unexplored regional area

Much of the area surrounding Bankan remains unexplored with significant opportunity for further greenfields gold discoveries. Systematic auger program on-going combined with recently acquired aeromagnetic survey.



Corporate Overview



SHARES ON ISSUE **1,019m**

CASH
as at 26 Apr 21 **A\$9m**

MKT CAP
as at 26 Apr 21
(A\$0.095) **A\$97m**

TOP SHAREHOLDERS

11% Capital DI limited
4% Lowell Resources Fund

ANALYST COVERAGE

Sprott | Capital Partners
EUROZ HARTLEYS



Board & Management

PAUL ROBERTS

BSc, MSc, FAIG

Managing Director

Paul is a geologist with 11 years experience working in West Africa and is associated with a number of discoveries including the Henty gold deposit in Tasmania, and the PDI Bankan discovery.

FRANCIS HARPER

Non-Executive Chairman

Currently Chairman and major shareholder of Tietto (ASX: TIE) and founder and co-owner of Blackwood Capital, which has raised over \$A1B for mining and industrial stocks since founding. He was formerly Chairman and major shareholder of West African Resources (ASX: WAF)

ANDREW PARDEY

Non-executive Director

Formerly CEO of LSE/TSX listed Centamin plc, the owner of the 450koz pa Sukari Mine. A geologist with extensive mine and development experience in North and West Africa. Currently Chairman of Tanga Resources Limited (ASX: TRL) and non-executive director of Marvel Gold Limited (ASX: MVL)

STEVEN MICHAEL

Non-executive Director

Steven has over 25 years' experience in the global resources sector specialising in corporate finance and equity capital markets.

BARRY MURPHY

B.A, Hons, Ph.D

Chief Geologist

Barry is a structural geologist with 10+ years experience working in West Africa with experience in Australia, Sudan, DRC, South America, Indonesia and Europe. Barry played a major role in the regional targeting work that led to the Kaninko discovery.

AIME NGANARE

MSc, MBA

Principal Geologist

Aimé has over 18 years of experience in orogenic gold exploration in Central and West Africa, including his role as General Manager of the Geological Survey of the Central African Republic.

Bankan Project

Unveiling a Major West African Gold Discovery

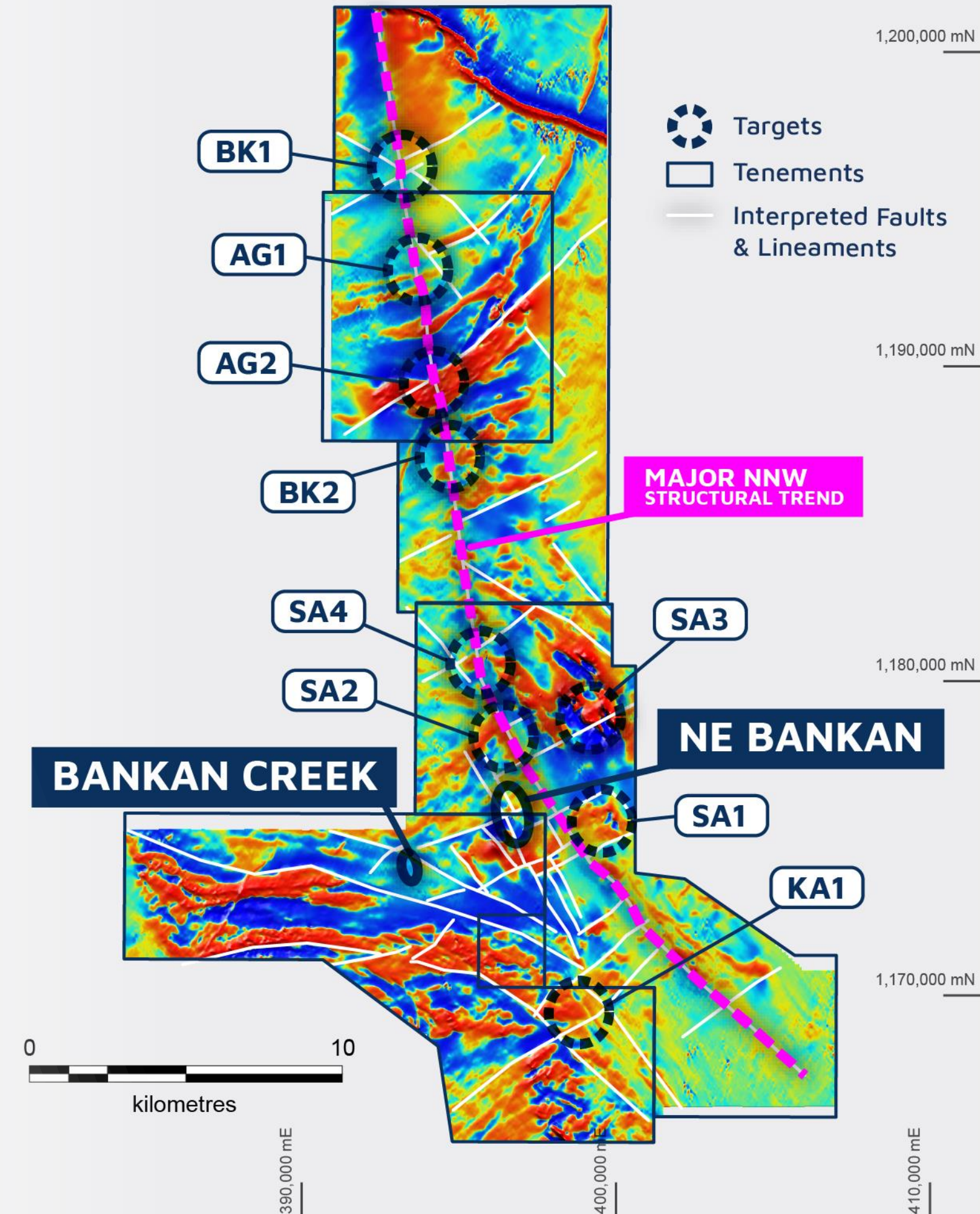
WIDTH, GRADE, DEEP ROOTS & SATELLITES

NE Bankan Discovery

- Extends over 1.6km-long and up to 300m wide
- BNERD001 (example): includes 50m @ 1.3g/t Au, and 42m @ 2.3g/t Au within aggregate true widths of 97m @ 1.6g/t Au
- Shallow oxide grade generally increasing into fresh rock below

Expansive Untested Ground

- 9 new high priority structural targets along 35km of north-south strike with interpreted cross cutting ENE-WSW faults
- Auger drilling underway with potential to deliver further NE Bankan-scale discoveries
- Bankan sits on 358km² - auger drilling completed over less than 6% of project area to date
- Structural controls on high-grade zones becoming apparent



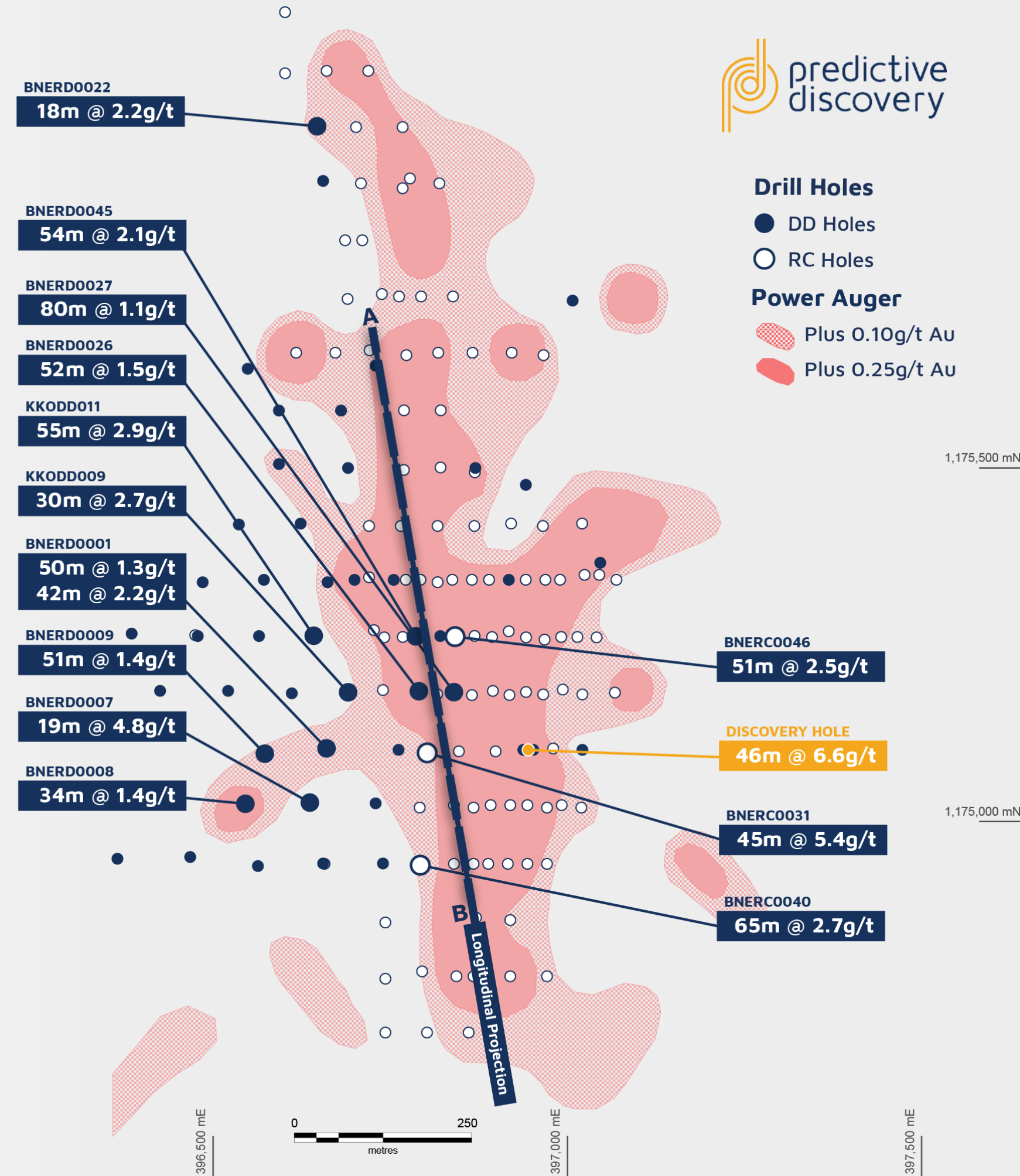
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NE Bankan Prospect

BROAD WIDTHS & HIGH-GRADES

A Tier 1 Discovery

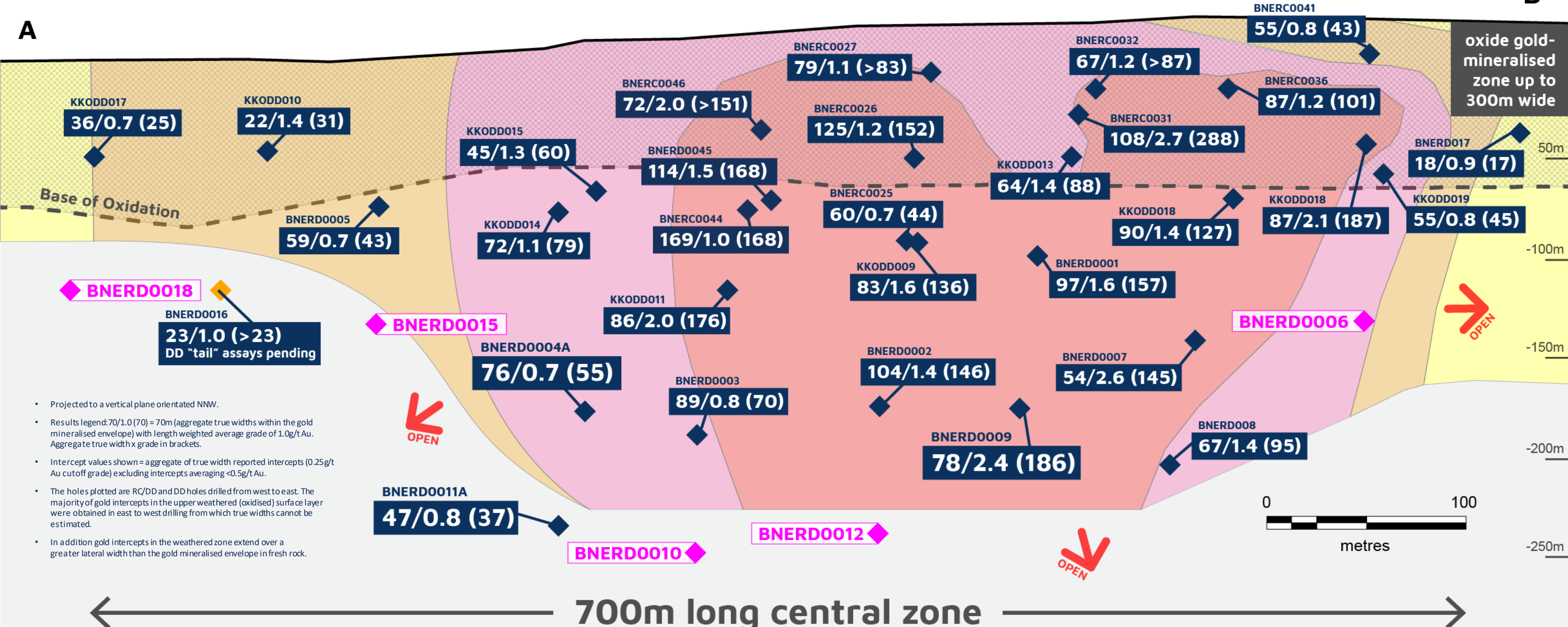
- April 20: Discovery hole of **46m @ 6.6g/t** with depth extension in fresh rock confirmed
- Over 3km of drilling already completed, drives strong confidence in a maiden resource in the months ahead
- Numerous broad intersections @ 1.5-2.5g/t surrounded by 0.5-1g/t Au halo
- Results continue to grow the deposit both in the shallow oxide and at depth
- Shallow RC oxide drilling continues to return broad intersections including high-gold grades
- Gold from surface expected to result in an extremely low strip ratio and drive robust mining economics



Bankan Project NE Bankan - Longitudinal Projection

B

A



- Projected to a vertical plane orientated NNW.
- Results legend: 70/1.0 (70) = 70m (aggregate true widths within the gold mineralised envelope) with length weighted average grade of 1.0g/t Au. Aggregate true width x grade in brackets.
- Intercept values shown = aggregate of true width reported intercepts (0.25g/t Au cutoff grade) excluding intercepts averaging <0.5g/t Au.
- The holes plotted are RC/DD and DD holes drilled from west to east. The majority of gold intercepts in the upper weathered (oxidised) surface layer were obtained in east to west drilling from which true widths cannot be estimated.
- In addition gold intercepts in the weathered zone extend over a greater lateral width than the gold mineralised envelope in fresh rock.

← 700m long central zone →

RC/DD This Release	RC Drilled DD Assays Pending	Oxide Gold-Mineralised Zone	<25 g/m	50-100 g/m
RC/DD Completed	DD Tails Pending		25-50 g/m	>100 g/m

Bankan Project NE Bankan Prospect

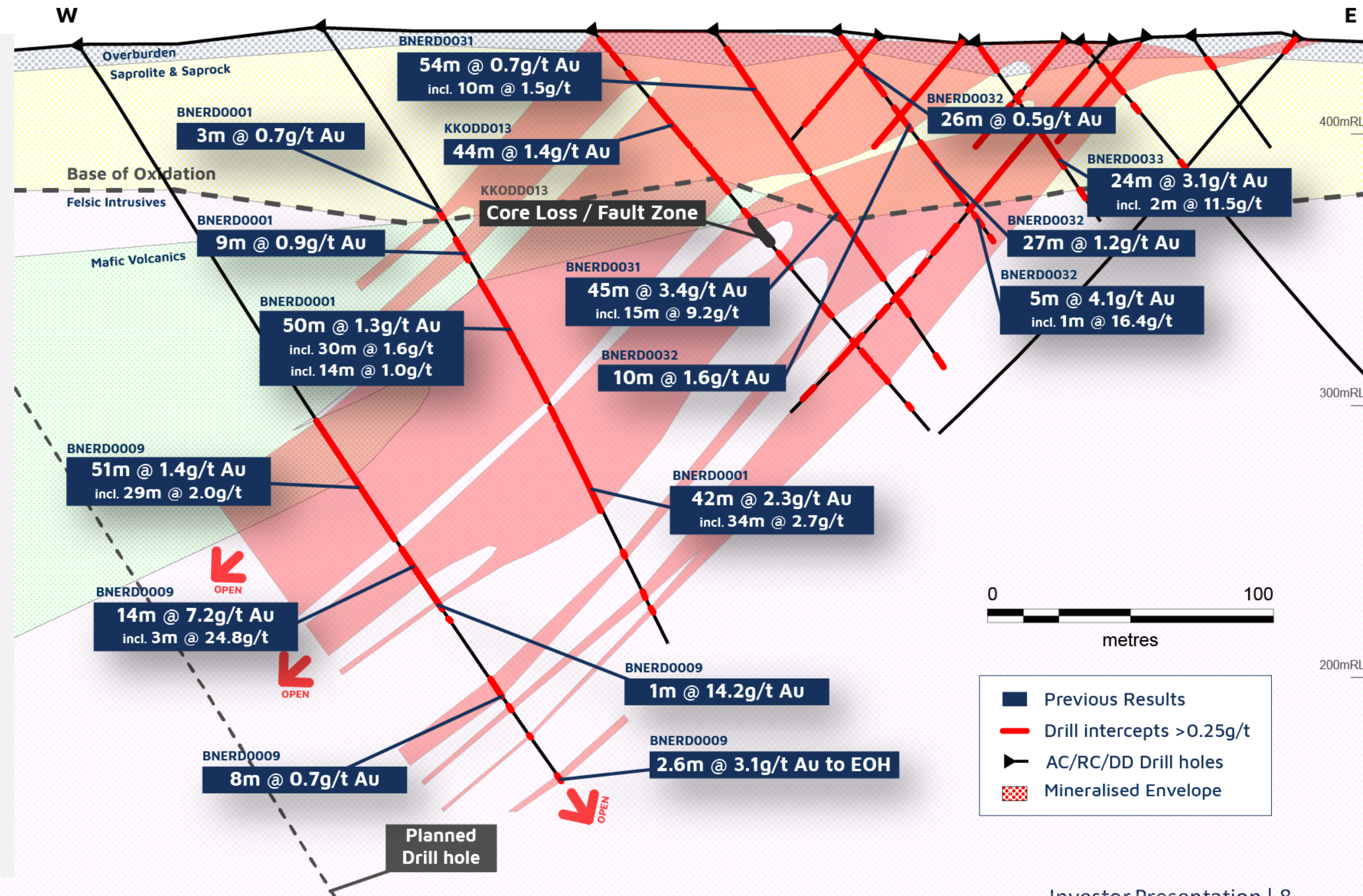
Section S1175100

BNERD001

- 88m at 1.8g/t
incl. 35m @ 2.6g/t Au
- 50m at 1.3g/t Au
- 42m @ 2.3g/t Au
incl. 2m @ 19.3g/t Au

BNERD009

- 51m at 1.4g/t Au
incl. 29m @ 2.0g/t Au
- 14m @ 7.2g/t Au
incl. 3m @ 24.8g/t Au
- 2.6m @ 3.1g/t Au
(to EOH)



Bankan Project NE Bankan Prospect

Section S1175260

KK0DD011

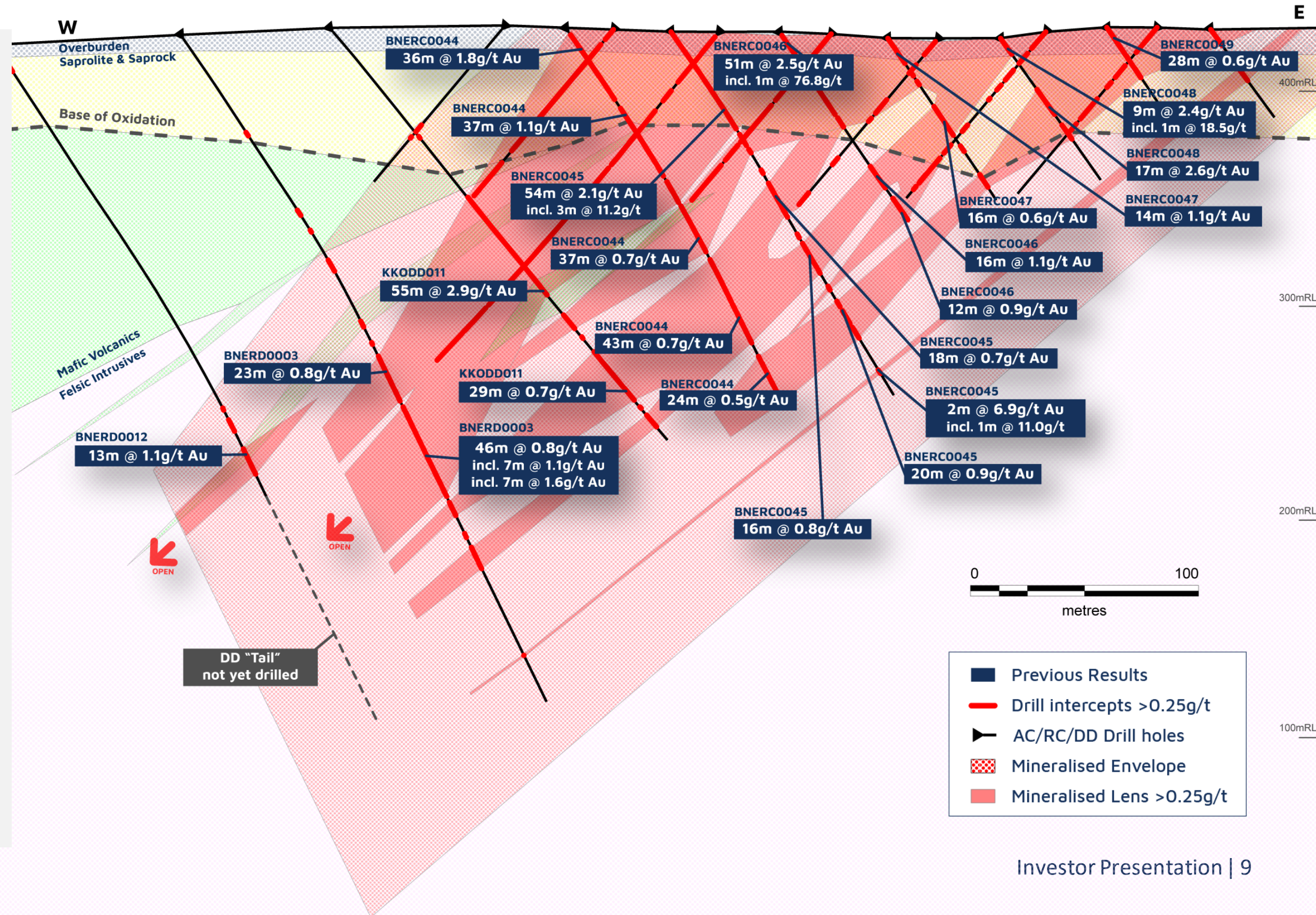
- 55m @ 2.9g/t Au

BNERC0046

- 51m @ 2.5g/t Au

BNERC0044

- 36m @ 1.8g/t Au
- 37m @ 1.1g/t Au
- 37m @ 0.7g/t Au
- 43m @ 0.7g/t Au
- 24m @ 0.5g/t Au



Bankan Project NE Bankan Prospect

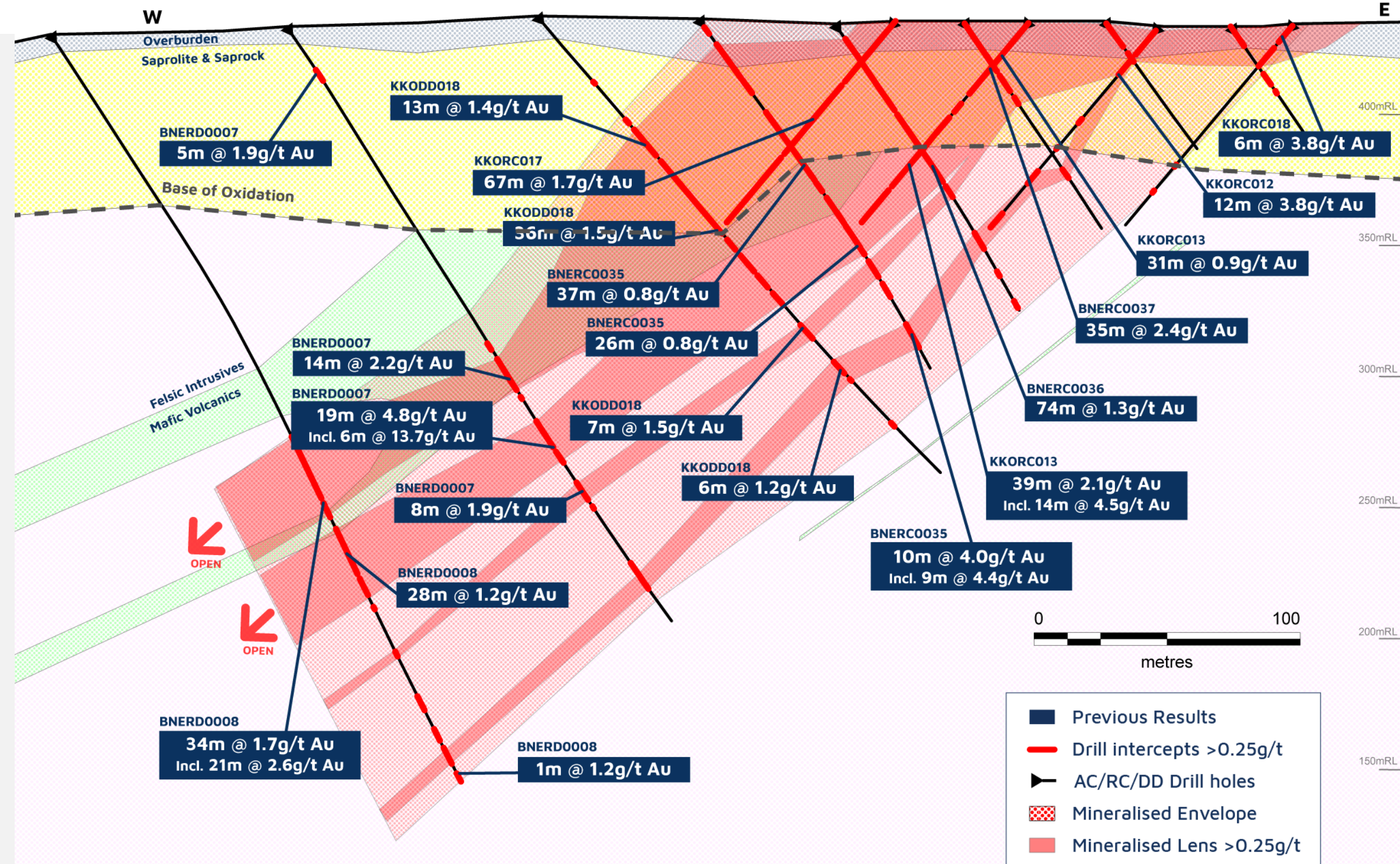
Section S1175020

BNERD0007

- 14m @ 2.2g/t Au
- 19m @ 4.8g/t Au, incl. 6m @ 13.7g/t Au
- 8m @ 1.9g/t Au

BNERD0008

- 34m @ 1.7g/t Au incl. 21m @ 2.6g/t Au
- 28m @ 1.2g/t Au



Bankan Project NE Bankan Prospect

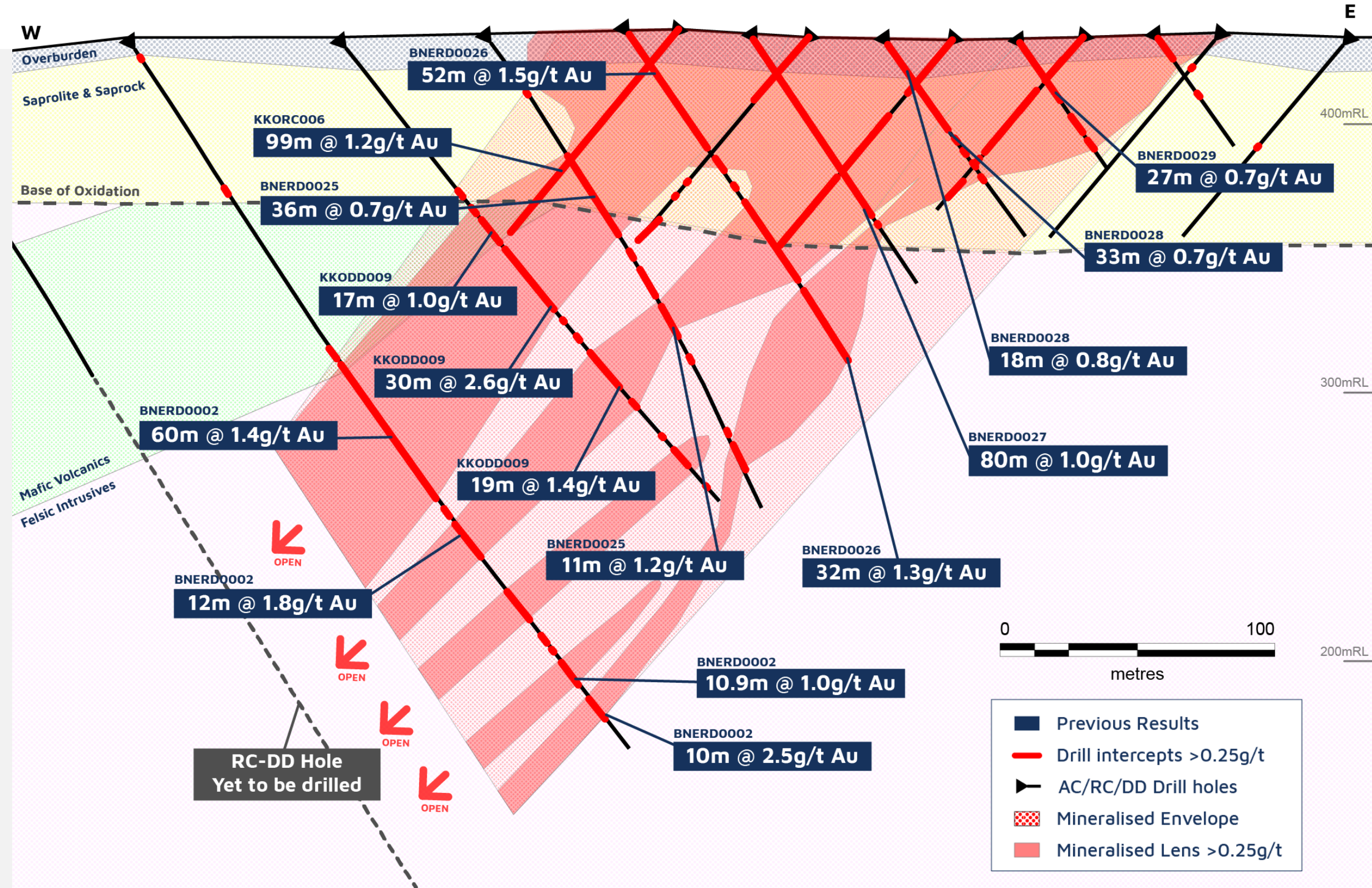
Section S1175180

KKODD0009

- 17m @ 1.0g/t Au
- 30m @ 2.6g/t Au
- 19m @ 1.4g/t Au

BNERD0002

- 60m @ 1.4g/t Au
- 12m @ 1.8g/t Au
- 11m @ 1.0g/t Au
- 10m @ 2.5g/t Au



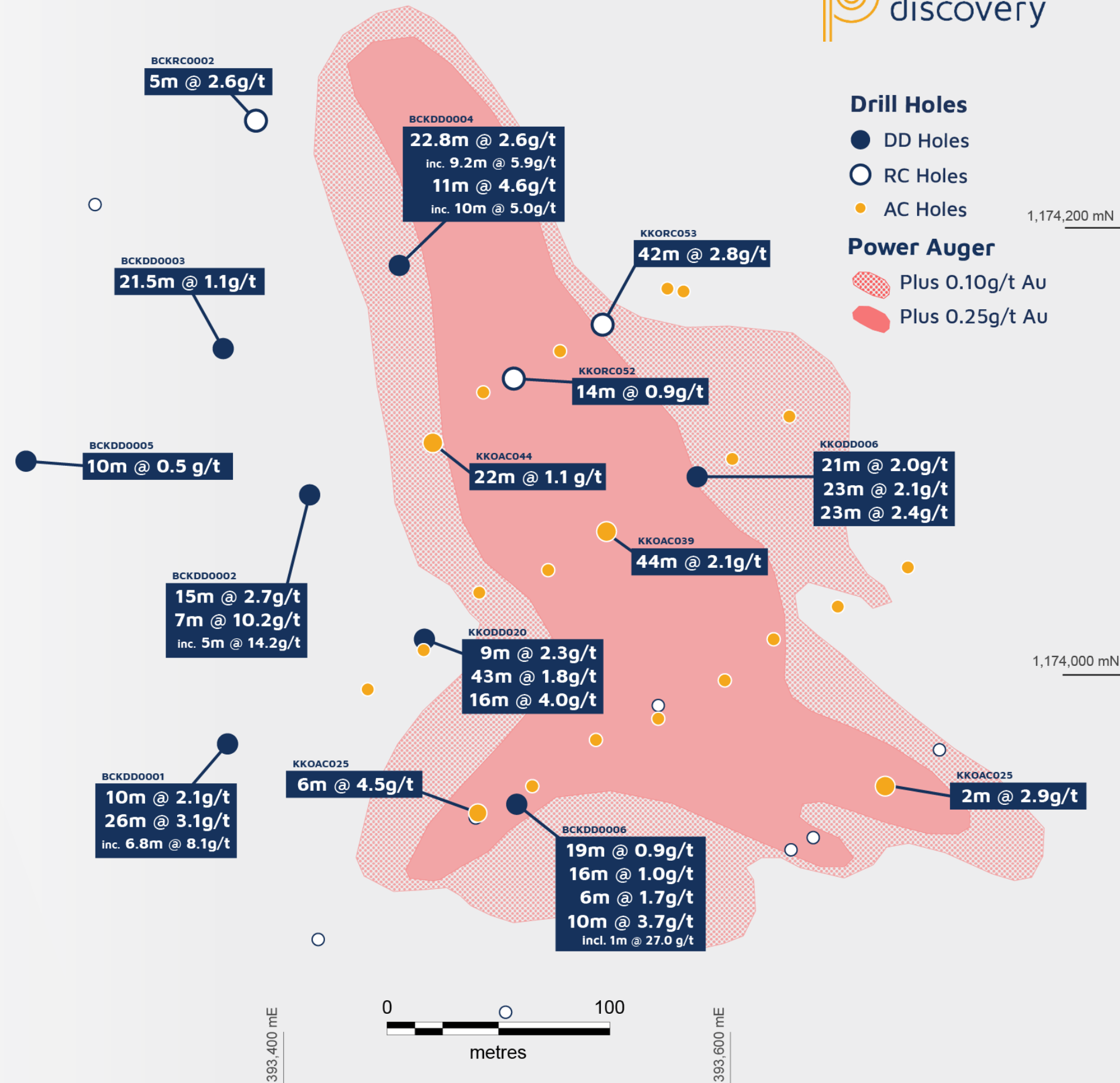
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Bankan Creek Prospect



SATELLITE DEPOSIT

- Gold mineralisation in fresh rock with some high grades, including at depth
- Known strike length approximately 300m with gold mineralised zone open to south and at depth
- Planned infill RC drilling to help define resources in top 100-150m
- Only 3km from the NE Bankan Discovery
- Being mineralized from surface provides potential for highly profitable mining proposition to supplement NE Bankan



Bankan Project Bankan Creek Prospect

Section BCKDD0001

KKODD0020

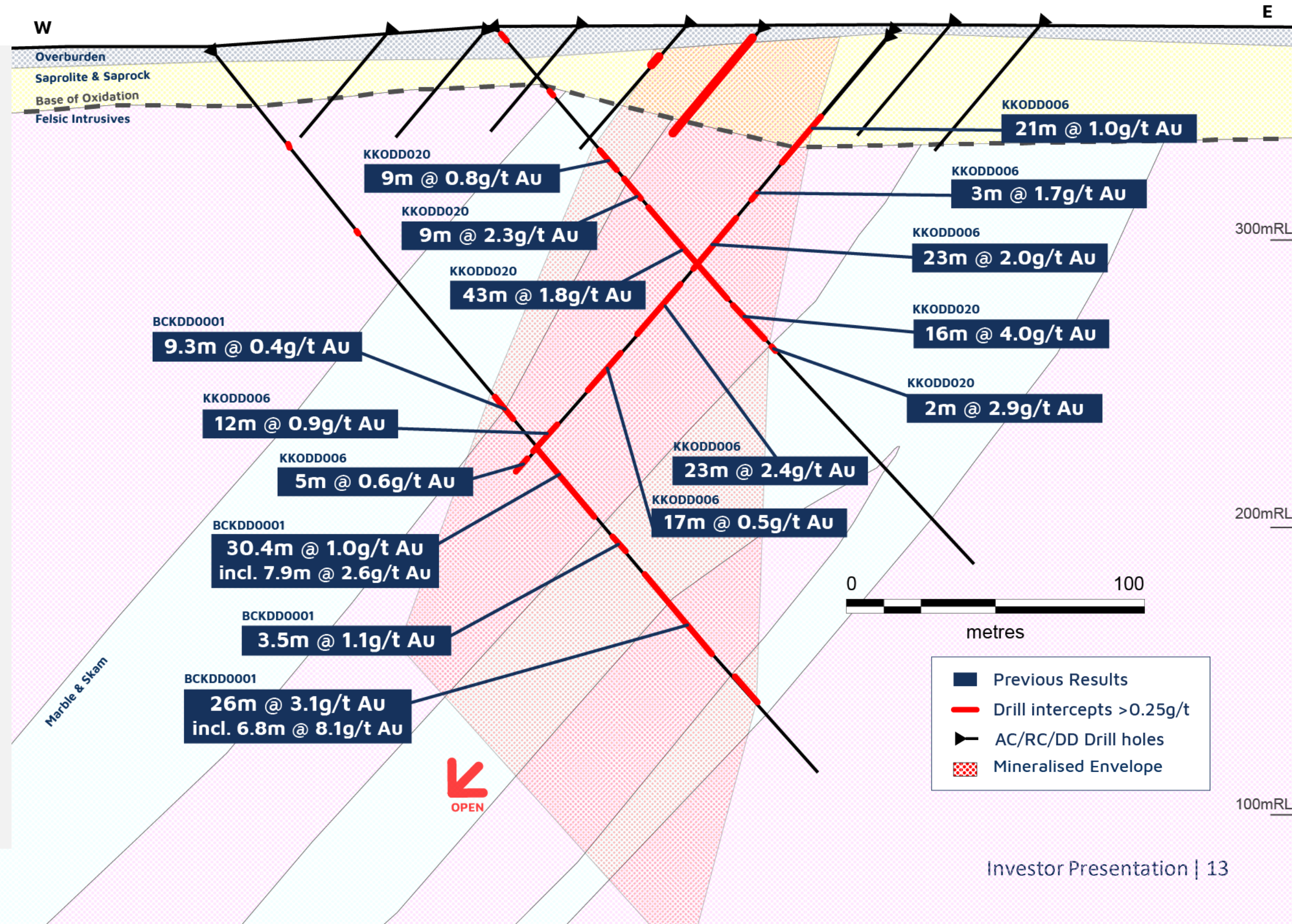
Overall intercept
92m @ 1.9g/t Au including:

- 9m @ 2.3g/t Au
- 43m @ 1.8 g/t Au
- 16m @ 4.0g/t Au

BCKDD0001

Multiple intercepts:

- 30m @ 1.0g/t Au
- 26m @ 3.1g/t Au
incl. 7m @ 8.1g/t Au

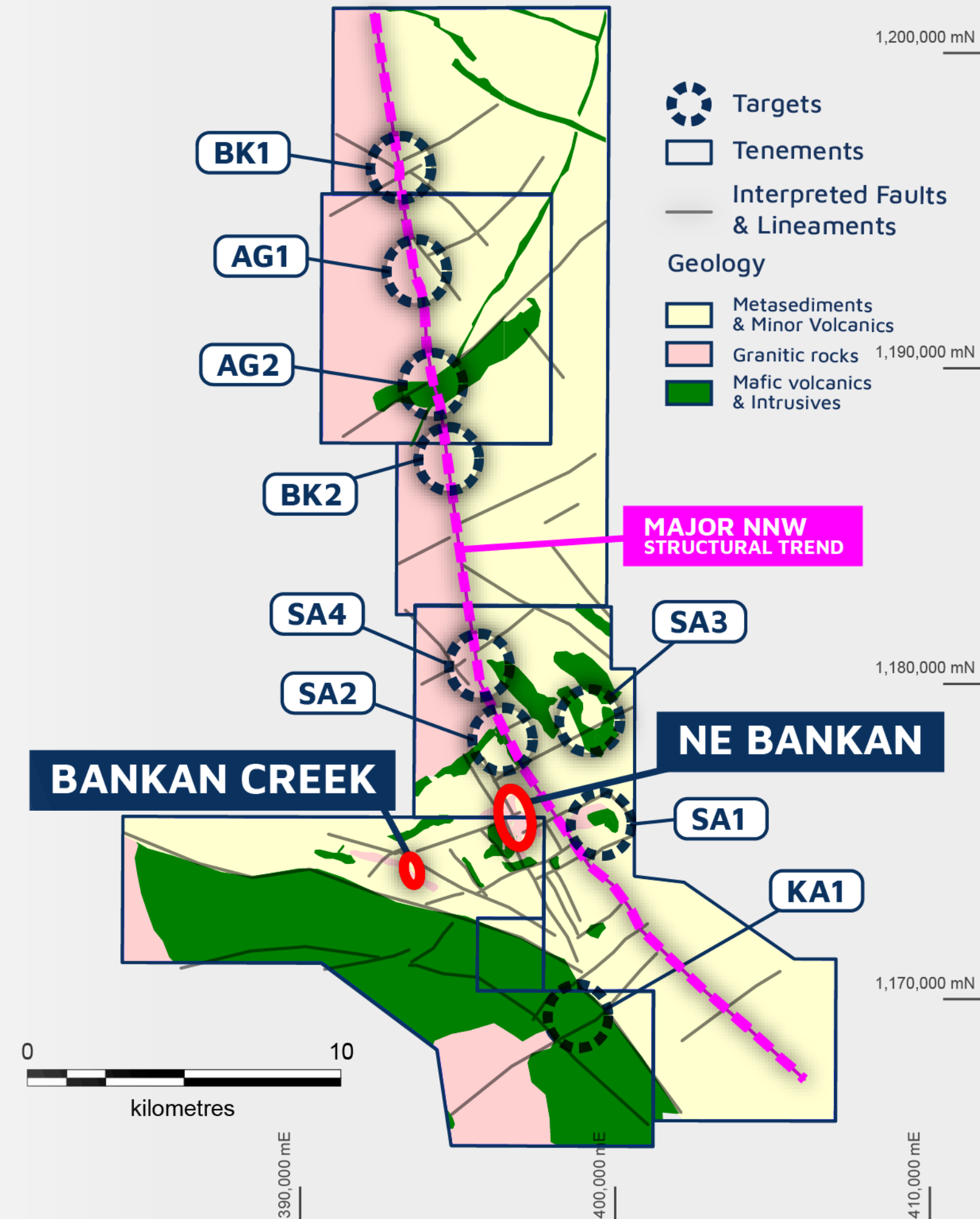


Room to Grow

35km-long Gold Corridor Emerges

AEROMAG DELIVERS REGIONAL DRILL TARGETS

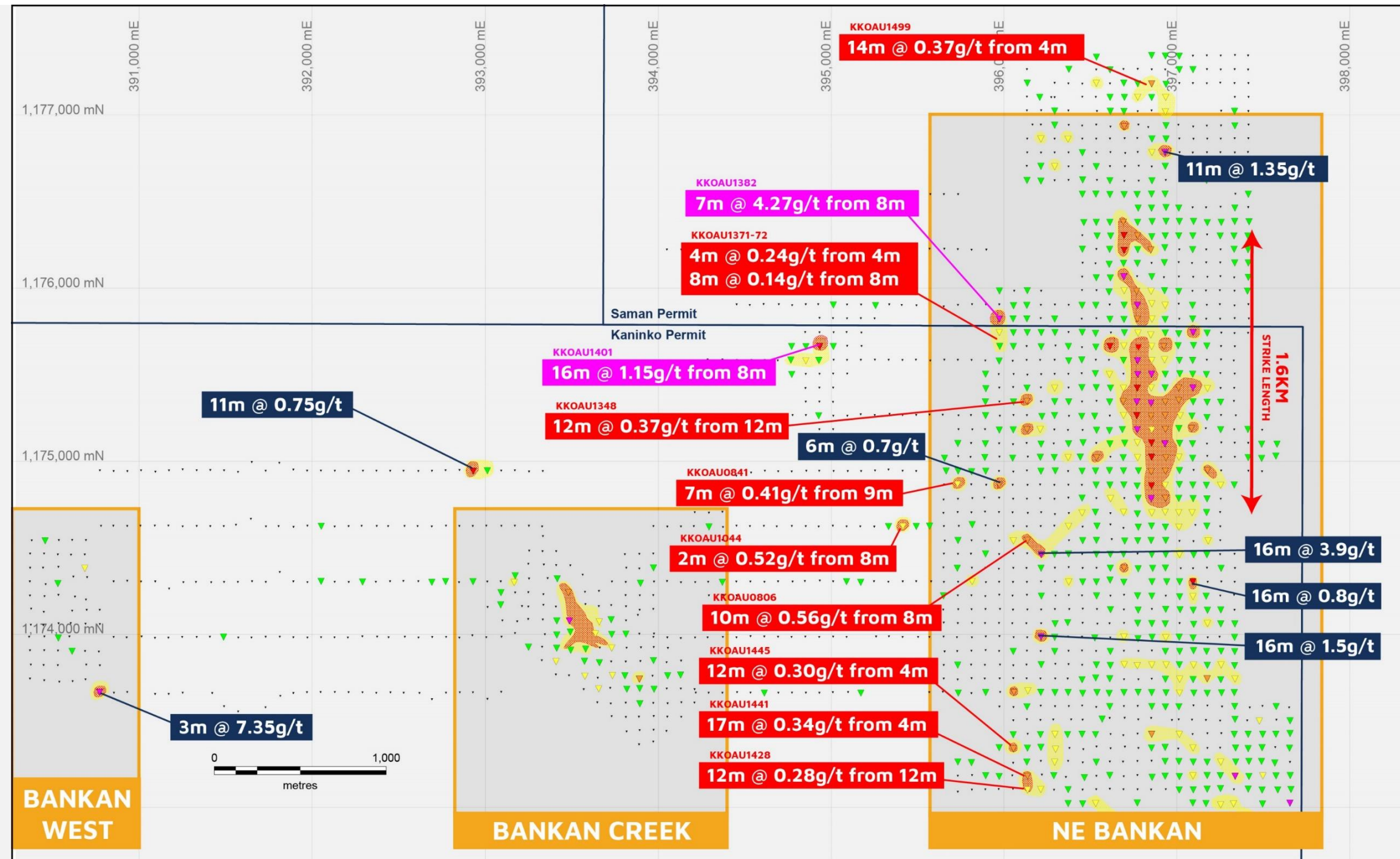
- 9 high priority regional gold drill targets identified from recently completed aeromagnetic survey, flown across the Bankan Project.
- New targets are located on interpreted ENE-WSW faults, crosscutting a newly recognized major 35km-long north-northwest structural corridor
- Structural corridor has potential to host numerous **“NE Bankan-style”** discoveries.
- Lithological and structural elements controlling gold mineralization at NE Bankan have provided a new model for gold discovery
- 15,000m of regional power auger drilling now underway, with grids testing nine new targets designed to outline further gold auger footprints.
- Bankan sits on 358km² – to date auger drilling completed over approx. 20km² (less than 6% of ground tested)



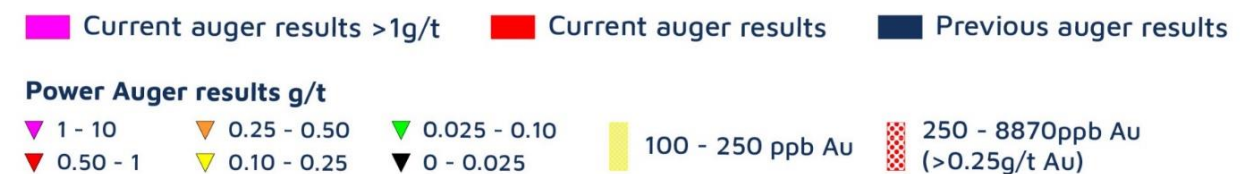
Power Auger - Proven Gold Finder at the Bankan Project

- Shallow transported cover across the Bankan Project
- Limited artisanal workings to guide drilling
- Shallow power auger drilling highlights areas of anomalous to high gold values underneath transported cover
- Auger cheaply & effectively delivers targets for follow up AC, RC and DD drilling
- Exploration method has been successful with discovery of NE Bankan and Bankan Creek lodes
- Most of the Bankan Project remains untouched by auger programs

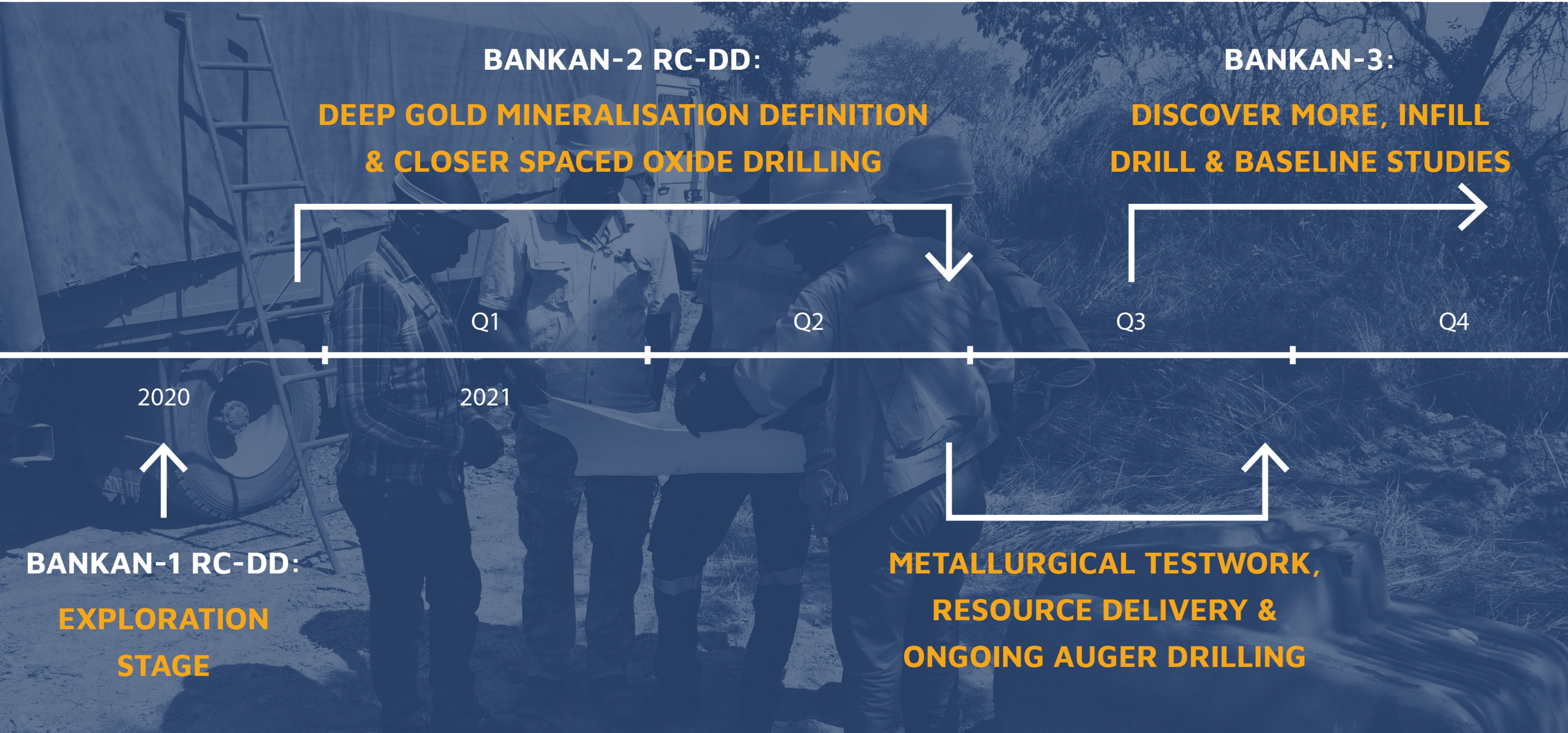
EXECUTING A STRATEGY TO SUBSTANTIALLY GROW THE AUGER GOLD FOOTPRINT AT NE BANKAN AND ACROSS THE BANKAN PROJECT



BANKAN PROJECT POWER AUGER DRILL PLAN



Bankan Project Next Steps



BANKAN-2 RC-DD:

**DEEP GOLD MINERALISATION DEFINITION
& CLOSER SPACED OXIDE DRILLING**

BANKAN-3:

**DISCOVER MORE, INFILL
DRILL & BASELINE STUDIES**

2020



2021

Q1

Q2

Q3

Q4

BANKAN-1 RC-DD:

**EXPLORATION
STAGE**

**METALLURGICAL TESTWORK,
RESOURCE DELIVERY &
ONGOING AUGER DRILLING**

Rapidly Advancing the Bankan Project Towards Development

Current Bankan 2 Drilling Program

DD & RC drilling ongoing through May 2021 to complete first phase resource drilling of NE Bankan & Bankan Creek.

Early Q3 2021 Metallurgical Testwork

Testing both weathered & fresh gold mineralisation

Q3 2021 Development Pathway

Drilling designed to deliver Maiden JORC-compliant Resource in coming months

Enormous Exploration Upside

Widespread indications of additional gold mineralisation within the wider Bankan Project. Auger drilling & aeromagnetic survey are assisting in identifying and better defining these targets

Enormous valuation upside as NE Bankan is Advanced



predictive
discovery

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ASX:PDI

Material ASX Releases

Further details (including 2012 JORC Code reporting tables where applicable) of exploration results referred to in this Presentation can be found in the following announcements



NE BANKAN GOLD MINERALISATION SUBSTANTIALLY EXTENDS AT DEPTH	Thursday, 15 April 2021	DIAMOND DRILLING CONFIRMS GOLD AT DEPTH AT NE BANKAN, GUINEA	Friday, 31 July 2020
NE BANKAN GROWS TO 300M WIDE. HIGH GRADE GOLD FROM SURFACE	Wednesday, 31 March 2021	IMPRESSIVE 1ST RC DRILL RESULTS GROW NE BANKAN DISCOVERY	Friday, 17 July 2020
PDI STRENGTHENS ITS BOARD WITH TWO MAJOR APPOINTMENTS	Monday, 22 March 2021	PDI RETAINS MINORITY HOLDING IN VICTORIAN GOLD PROJECT	Wednesday, 8 July 2020
EXCEPTIONALLY HIGH GRADES, THICK INTERCEPTS FROM NE BANKAN	Monday, 15 March 2021	NE BANKAN DISCOVERY GUINEA EXTENDED 30% TO 1.3KM IN LENGTH	Tuesday, 30 June 2020
SUBSTANTIAL OXIDE GOLD ZONE EMERGING AT NE BANKAN PROJECT	Friday, 5 March 2021	PDI WEST AFRICAN EXPLORATION UPDATE 7 DRILL RIGS ACTIVE	Tuesday, 9 June 2020
MORE DEPTH EXTENSIONS FROM DRILLING BANKAN GOLD DISCOVERIES	Thursday, 25 February 2021	KANINKO AUGER RESULTS DOUBLE GOLD-MINERALISED STRIKE LENGTH	Wednesday, 27 May 2020
HIGH GRADE DRILL RESULTS EXTEND BANKAN CK DISCOVERY TO NORTH	Thursday, 11 February 2021	UPDATE ON ASSAY RESULTS KANINKO PROJECT GUINEA	Monday, 25 May 2020
OUTSTANDING, WIDE GOLD INTERCEPT GROWS BANKAN AT DEPTH	Thursday, 28 January 2021	FINAL DRILL RESULTS, BANKAN CREEK, KANINKO PROJECT, GUINEA	Thursday, 30 April 2020
BANKAN GOLD PROJECT DRILLING ACCELERATED	Friday, 22 January 2021	44M AT 2.06G/T GOLD FROM BANKAN CREEK, KANINKO, GUINEA	Monday, 27 April 2020
DIAMOND DRILLING UNDERWAY AT BANKAN GOLD PROJECT	Thursday, 17 December 2020	POWER AUGER DRILLING UNDERWAY AT KANINKO GOLD PROJECT	Friday, 24 April 2020
EXPLORATION UPDATE - BANKAN GOLD PROJECT, GUINEA	Friday, 27 November 2020	OUTSTANDING DRILL RESULTS FROM NEW GOLD DISCOVERY IN GUINEA	Wednesday, 15 April 2020
EXPLORATION UPDATE - BANKAN-2 GOLD DRILLING UNDERWAY	Tuesday, 20 October 2020	GUINEA GROUND ACQUIRED NEAR PLUS-2 MILLION OZ GOLD DEPOSITS	Tuesday, 7 April 2020
92M AT 1.9G/T GOLD - DIAMOND DRILLING EXPANDS BANKAN PROJECT	Tuesday, 13 October 2020	AC-RC DRILLING UNDERWAY IN GUINEA, ACCELERATING EXPLORATION	Tuesday, 24 March 2020
NE BANKAN GOLD DEPOSIT GROWS WITH MORE STRONG DRILL RESULTS	Friday, 25 September 2020	HIGH-GRADES-BROAD WIDTHS FROM GUINEA AUGER-TRENCHING PROGRAM	Thursday, 19 March 2020
ADDITIONAL PERMITS ALONG STRIKE FROM FLAGSHIP BANKAN PROJECT	Thursday, 17 September 2020	UP TO 8G/T GOLD FROM POWER AUGER DRILLING IN GUINEA	Wednesday, 26 February 2020
55M AT 2.94G/T GOLD-BROAD TRUE WIDTHS CONFIRMED AT BANKAN	Thursday, 10 September 2020	HIGH-POTENTIAL GOLD DRILL TARGETS IDENTIFIED IN GUINEA	Wednesday, 18 December 2019
NE BANKAN NOW 1.6KM LONG WITH POSSIBLE PARALLEL GOLD ZONE	Thursday, 3 September 2020	UP TO 52G/T GOLD FROM KANINKO ARTISANAL MINE SAMPLES	Thursday, 14 November 2019
BANKAN CREEK GOLD ZONE FURTHER EXPANDED	Thursday, 27 August 2020	KANINKO GUINEA RESULTS IDENTIFY MORE GOLD, NEW DRILL TARGETS	Tuesday, 8 October 2019
STRONG WIDE GOLD INTERCEPTS FROM BANKAN CREEK AND NE BANKAN	Wednesday, 19 August 2020	LANDHOLDING GROWS IN GUINEA'S SIGUIRI BASIN	Thursday, 4 July 2019
OUTSTANDING HIGH-GRADE GOLD RESULTS FROM NE BANKAN, GUINEA	Friday, 7 August 2020		

Cote D'Ivoire & Burkina Faso Interests

Burkina Faso

Bongou & Tempetou

Equity: PDI 100% - preparing for farmout
 Land package encompassing 722 km²

Cote D'Ivoire

Resolute Joint Venture (ASX:RSG)

Equity: RSG 76.5% - PDI 23.5%
 Land package encompassing 2,549 km²

Tanga Joint Venture (ASX:TRL)

Tanga Resources (ASX: TRL) has the right to earn up to 80% to Mining Lease grant
 Land package encompassing 1,135 km²

Bobosso Project

(PDI - Mine development payments)

- Minimum payment of US\$2.15M to PDI on first mine development
- US\$4.30/ore reserve Oz Au as defined in the BFS and due upon first production



WEST AFRICAN GOLD PROJECTS

- 100% Owned Guinea
- 100% Owned Burkina
- PDI Interests
- Resolute JV
- ⊗ Mines
- Tanga JV

¹ASX Announcement – 04 June 2019