

INVESTOR PRESENTATION AFRICA DOWN UNDER 2021

Predictive Discovery Limited (ASX:PDI) ("Predictive" or "the Company") is pleased to provide the following investor presentation which will be given this morning at the Africa Down Under Conference being held at the at the Pan Pacific, Perth, Western Australia.

Predictive Managing Director, Mr. Paul Roberts, will be presenting at 9.20am (AWST).

The Presentation can also be viewed live on Paydirt TV:

<https://www.youtube.com/channel/UCUgVBIgVmkQj0K3m1A4oA6A/featured>

The Presentation will be available on the Company website: <https://www.predictivediscovery.com/>

This announcement has been authorised for release by the Board of Predictive Discovery Limited.

For further information, please contact:

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Managing Director

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LARGE SCALE, HIGH GRADES AND GROWING FAST

West Africa's Most Exciting Gold Project

AFRICA DOWN UNDER - SEPTEMBER 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.

To the maximum extent permitted by law, PDI does not warrant the accuracy, currency or completeness of the information in this presentation, nor the future performance of PDI, and will not be responsible for any loss or damage arising from the use of the information. The information contained in this presentation is not a substitute for detailed investigation or analysis of any particular issue. Current and potential investors and shareholders should seek independent advice before making any investment decision in regard to Predictive or its activities.

Competent Person Statement

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.



Corporate Overview



SHARES
ON ISSUE

1,350m

CASH

A\$26m

MKT CAP
(A\$0.135)

A\$182m

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. Currently Non-Executive Director of Tanga Resources Limited (ASX: TRL)

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.

TOP SHAREHOLDERS

11% Capital DI limited

5% Van Eck

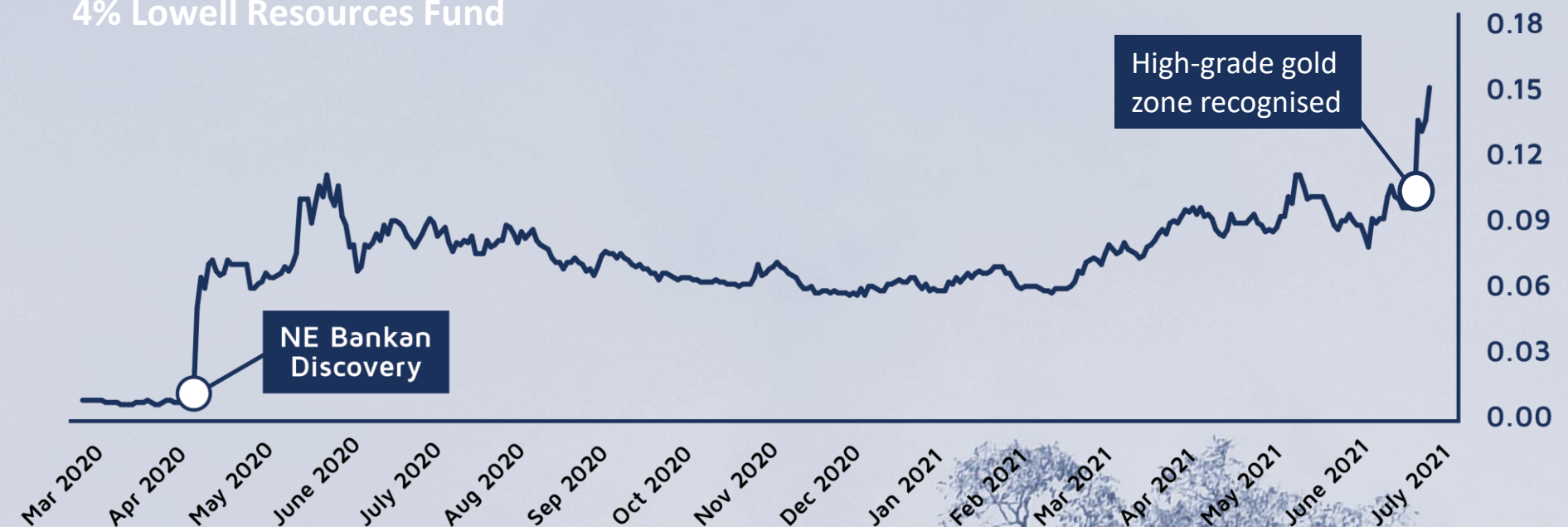
5% Franklin Templeton

4% Lowell Resources Fund

ANALYST COVERAGE

Sprott | Capital Partners

EUROZ
HARTLEYS



High-grade gold in Guinea's prolific Siguiiri Basin

2 Exciting Gold Discoveries

NE Bankan

- 1.6km-long zone of shallow oxide gold mineralisation
- Emerging high-grade core
- Gold grades improving with deeper drilling

Bankan Creek

- Located 3km to the west of NE Bankan
- Good grade gold intersected from surface
- Potential to materially contribute to the Mineral Resource Estimate

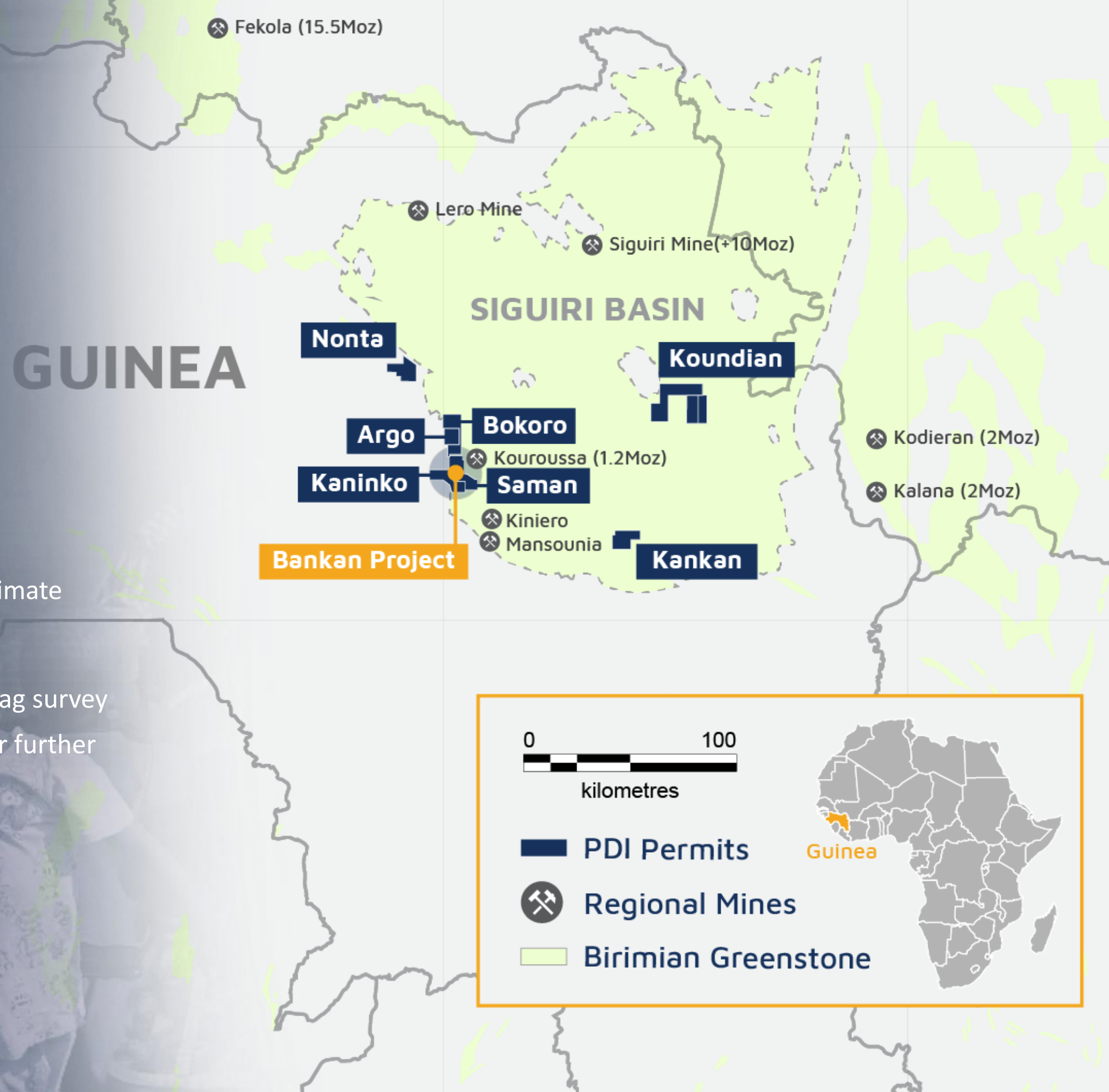
Tremendous Regional Potential

- 9 high priority regional gold drill targets identified from aeromag survey
- Bankan remains underexplored with significant opportunity for further greenfield gold discoveries.
- Large regional land position with power auger drilling returning shallow high-grade gold

Maiden Resource On-track

- +80,000m of drilling completed
- Maiden JORC-compliant Resource due late Q3 2021

GUINEA



0 100
kilometres

■ PDI Permits

⚒ Regional Mines

■ Birimian Greenstone

Guinea

Strengthening our relationship with the Bankan Communities

Our Social Initiatives

Bankan Women's Agricultural Program

- Improve the living conditions and empower the women of Bankan Village through development of a large market garden.
- Financial, technical and logistical support.
- Site identification, clearing, fencing, well construction, equipment, seed and fertiliser purchases.

Children's School Program

- Donation of school supplies to five schools located within the Bankan Gold Project exploration permits.
- School supplies include books, learning materials and stationery.



Bankan Project

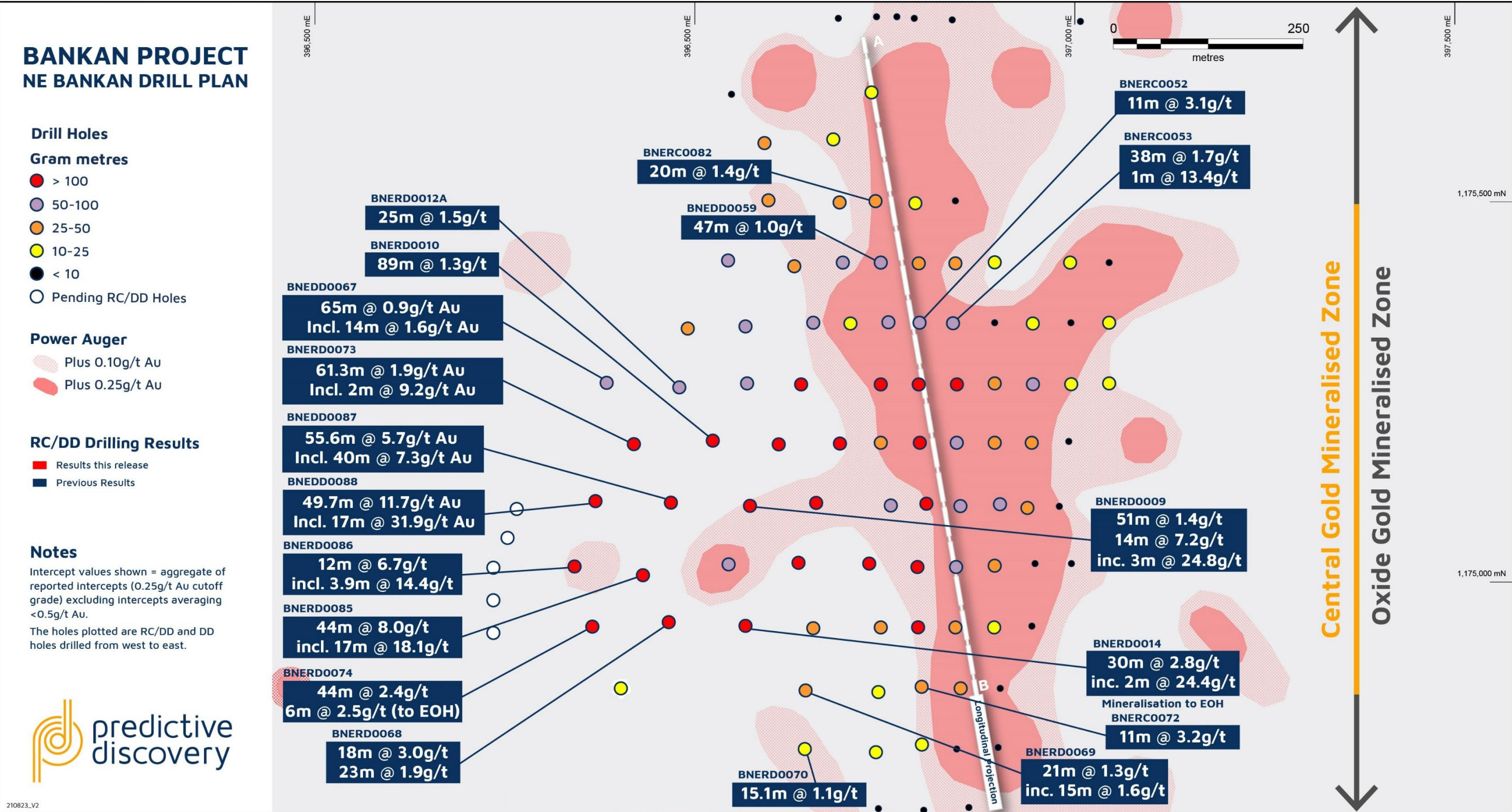
NE Bankan Prospect

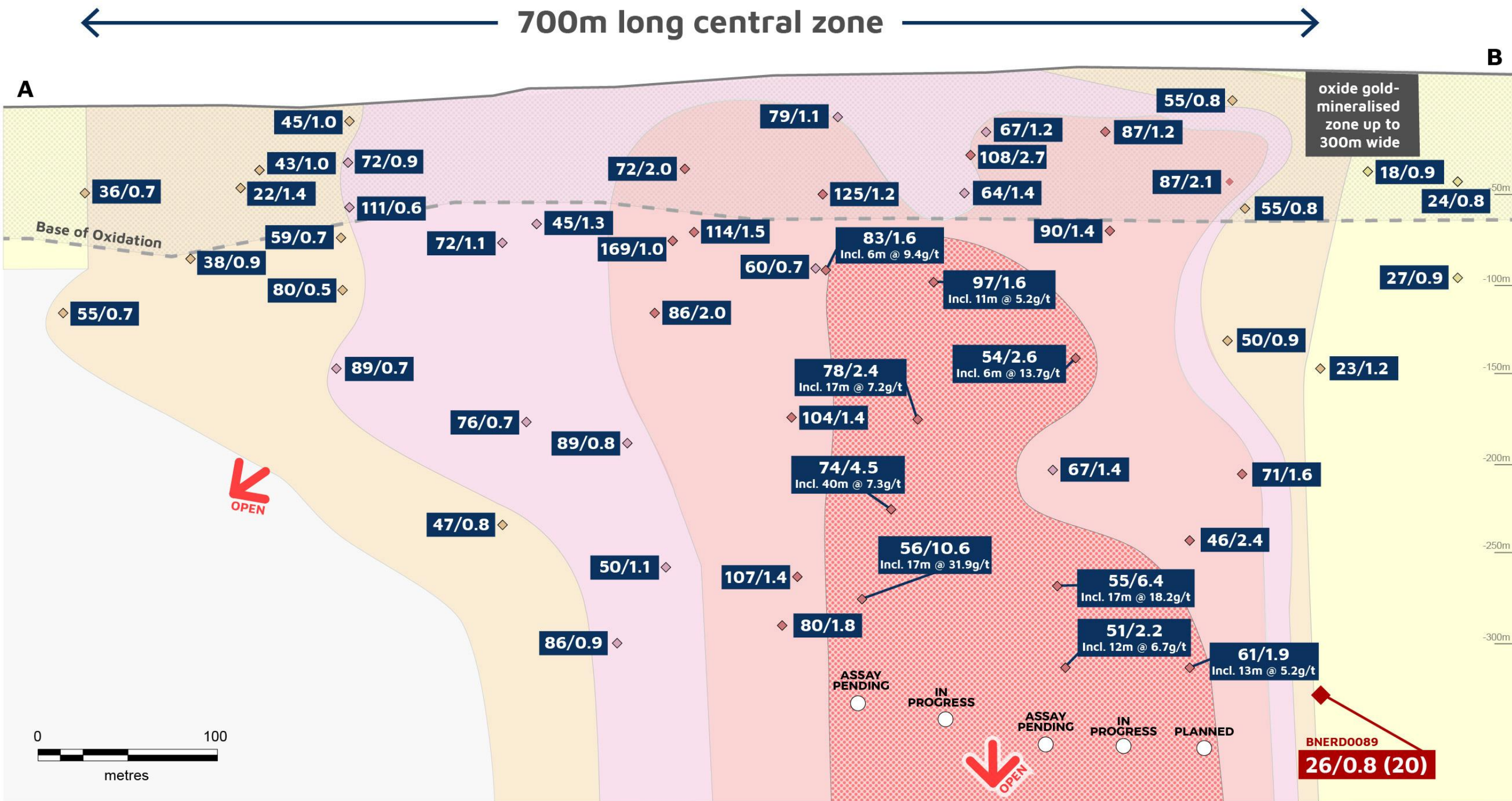


BROAD WIDTHS & HIGH-GRADES

A Major Gold Discovery

- April 20: Discovery hole of **46m @ 6.6g/t Au**
- Over 32km of RC/DD/AC drilling completed
- Gold from surface expected to result in a modest strip ratio, driving robust mining economics
- High-grade core at depth delivers potential to expand resource below 300m vertical depth





- Projected to a vertical plane orientated NNW (see figure 2).
- 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.

NE BANKAN PROSPECT LONGITUDINAL PROJECTION

RC/DD Results

- ◆ RC/DD This Release
- ◇ <25 g*m
- ◇ 25-50 g*m
- New drill holes results pending or drilling planned or in progress
- ◇ 50-100 g*m
- ◇ >100 g*m

- ▨ Oxide Gold-Mineralised Zone
- <25 g*m
- 25-50 g*m
- >50g*m (1g/t cutoff | >5g/t ave. grade)
- 50-100 g*m
- >100 g*m

Bankan Project

NE Bankan Prospect

Section S1175100

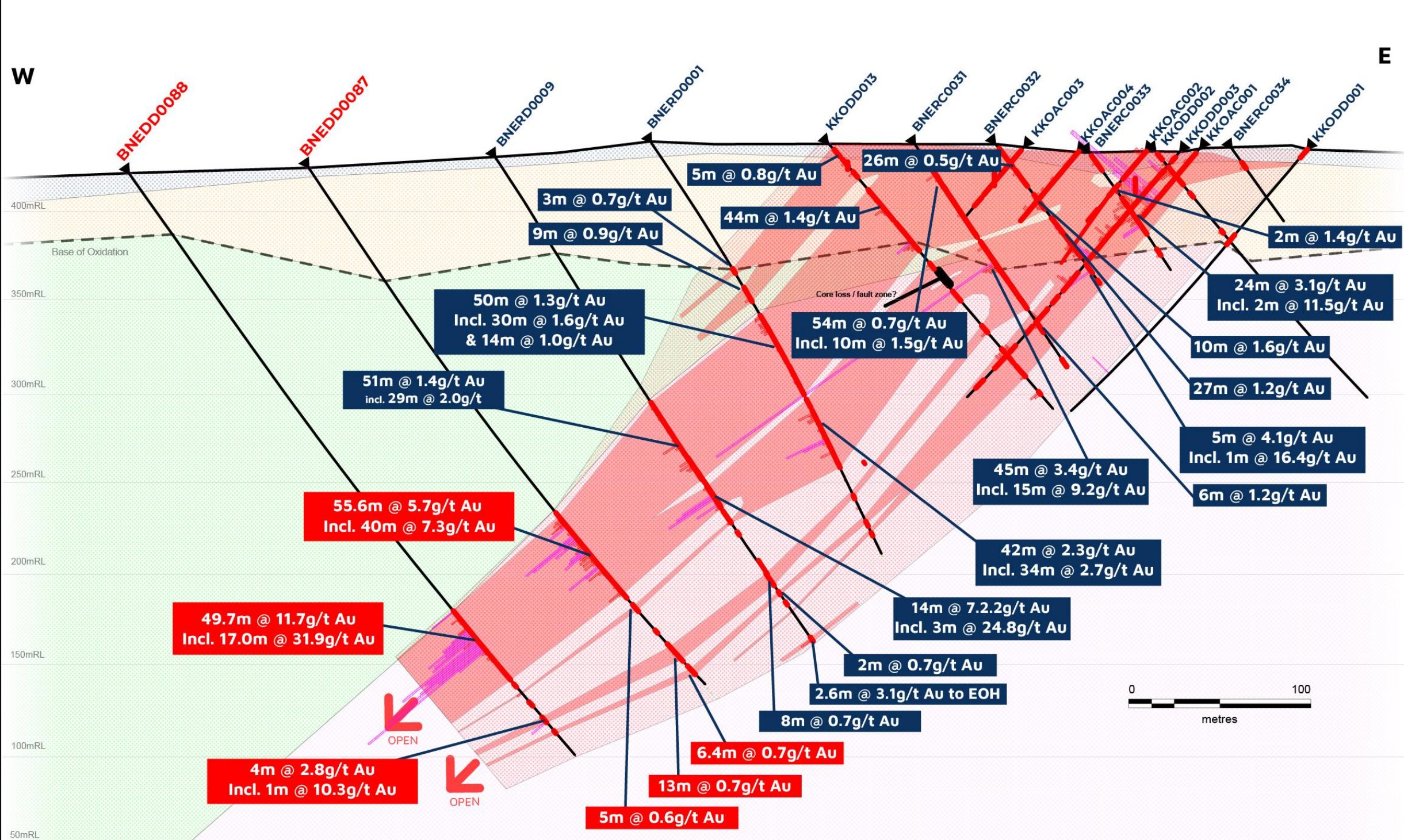
EMERGING HIGH-GRADE CORE:

BNERD0088

- 49.7m @ 11.7g/t Au, incl. 17.0m @ 31.9g/t Au (incl. 7.0m @ 50.3g/t Au)

BNEDD087

- 55.6m @ 5.7g/t Au, incl. 40m @ 7.3g/t Au



BANKAN PROJECT NE BANKAN PROSPECT SECTION 1175100N

- Results this release
- Previous Results
- Drill intercepts > 0.25g/t Au
- Au Drill holes
- ▶ AC/RC/DD Drill holes
- ▨ Overburden
- ▨ Saprolite & Saprock
- ▨ Felsic Intrusives
- ▨ Mafic volcanics
- > 0.25g/t Au Mineralised Lens
- ▨ Mineralised Envelope



Bankan Project

NE Bankan Prospect

Section S1175020

OUTSTANDING GRADES AT DEPTH:

BNERD0007

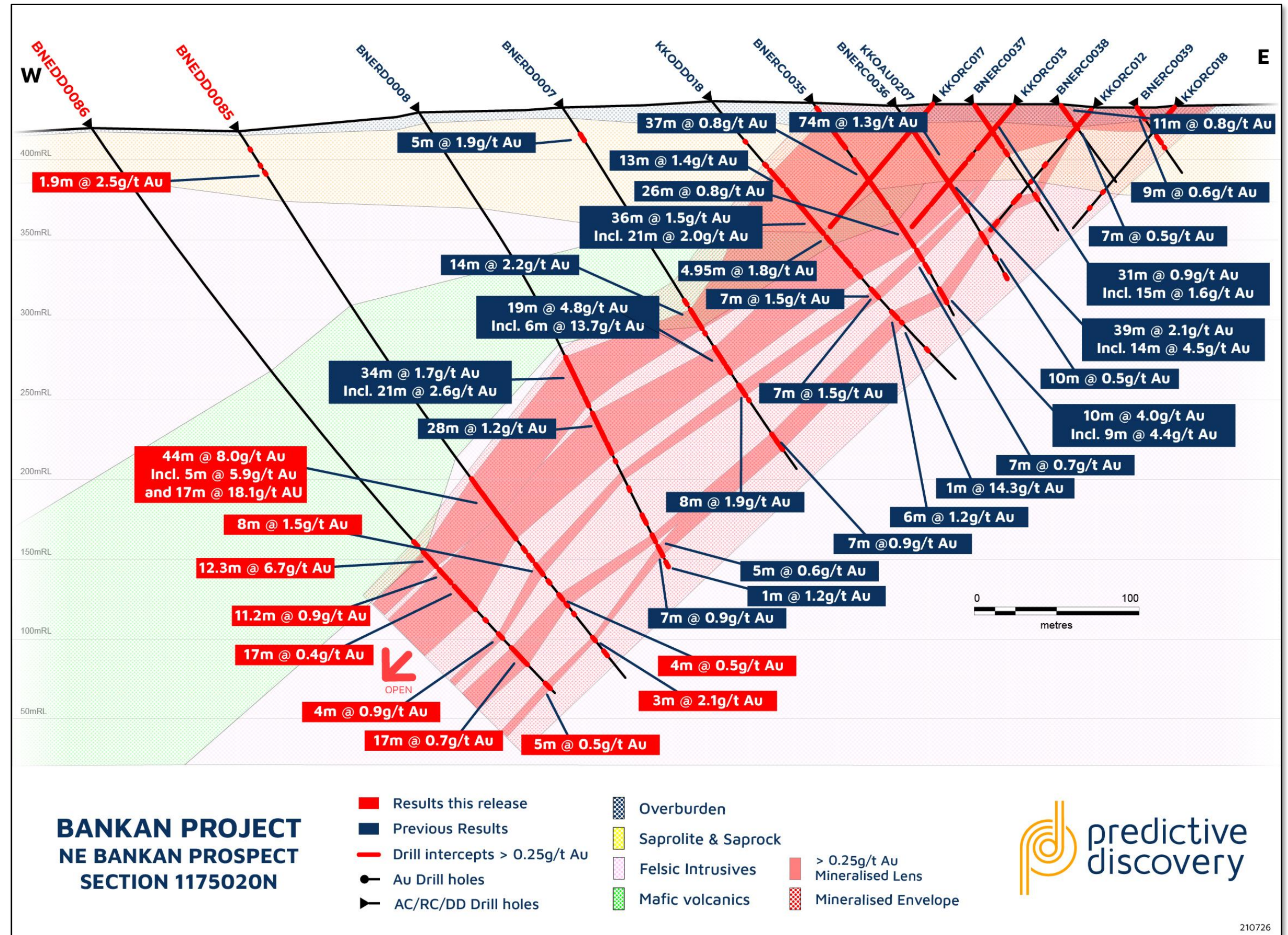
- 14m @ 2.2g/t Au
- 19m @ 4.8g/t Au, incl. 6m @ 13.7g/t Au
- 8m @ 1.9g/t Au

BNEDD085

- 44m @ 8.0g/t Au incl. 17m @ 18.1g/t Au

BNEDD086

- 12m @ 6.7g/t Au incl. 17m @ 18.1g/t Au



210726

Bankan Project

NE Bankan Prospect

Section S1175180

KKODD0009

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

BNERD0002

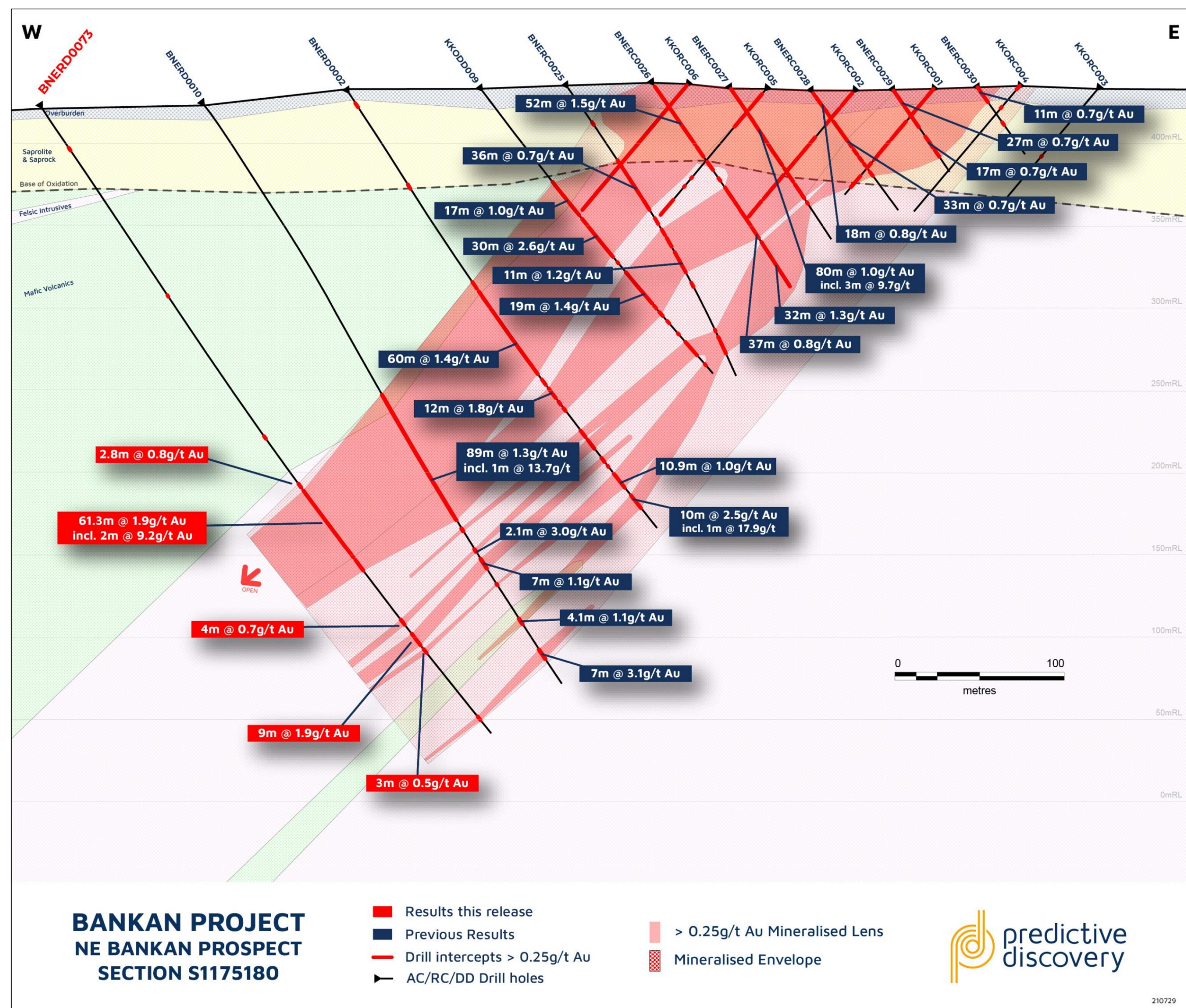
- 60m @ 1.4g/t Au
- 12m @ 1.8g/t Au
- 10m @ 2.5g/t Au

BNERD0010

- 89m @ 1.3g/t Au
- 7m @ 3.1g/t Au

BNERD0073

- 61.3m @ 1.9g/t Au
- 9m @ 1.9g/t Au



Bankan Project

NE Bankan Prospect

Section S1174940

BNERC0040

- 65m @ 2.7g/t Au

BNERD0014

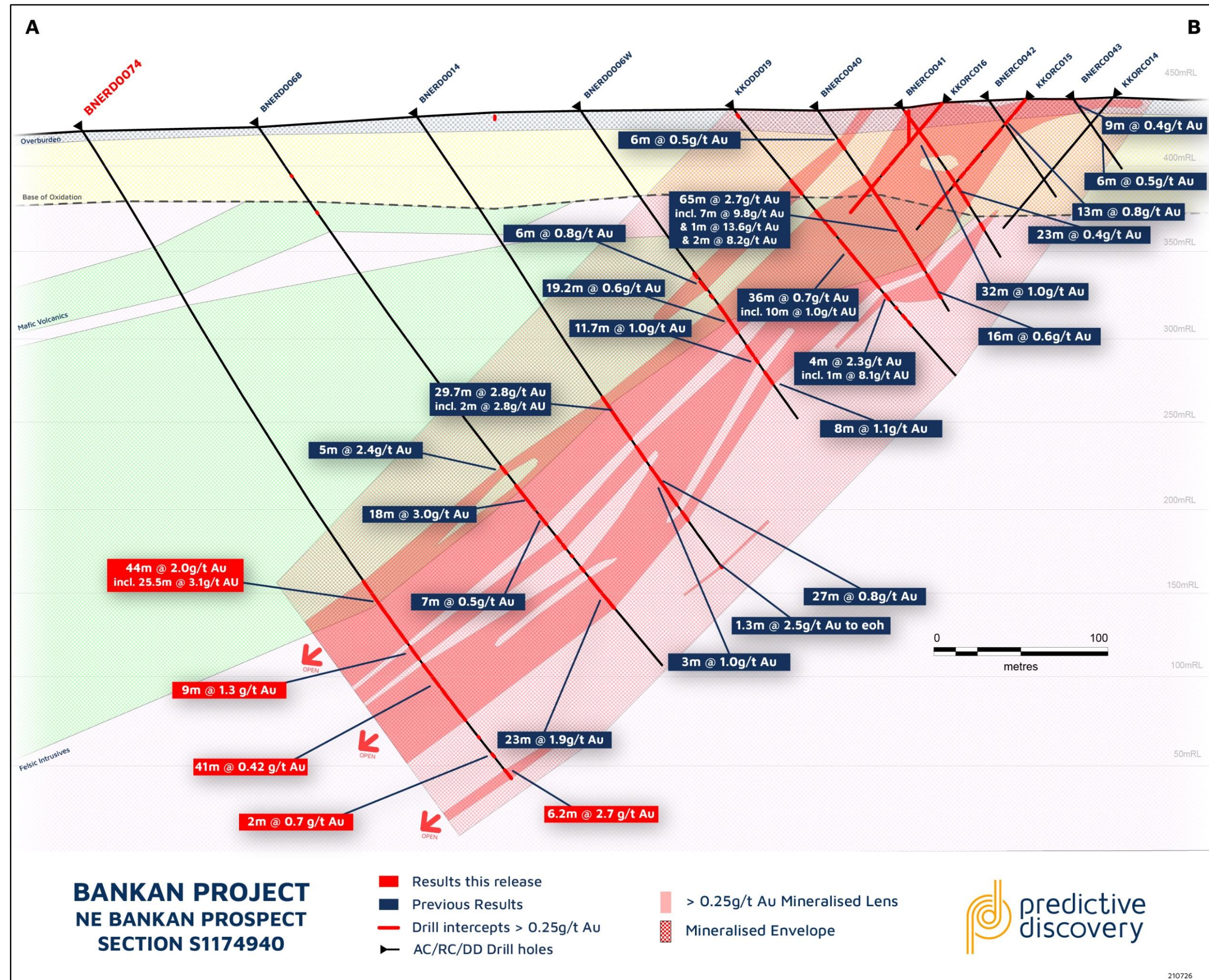
- 30m @ 2.8g/t Au
- 27m @ 0.8g/t Au

BNERD0068

- 5m @ 2.4g/t Au
- 18m @ 3.0g/t Au
- 23m @ 1.9g/t Au

BNERD0074

- 44m @ 2.0g/t Au
- 6m @ 2.7g/t Au (to EOH)

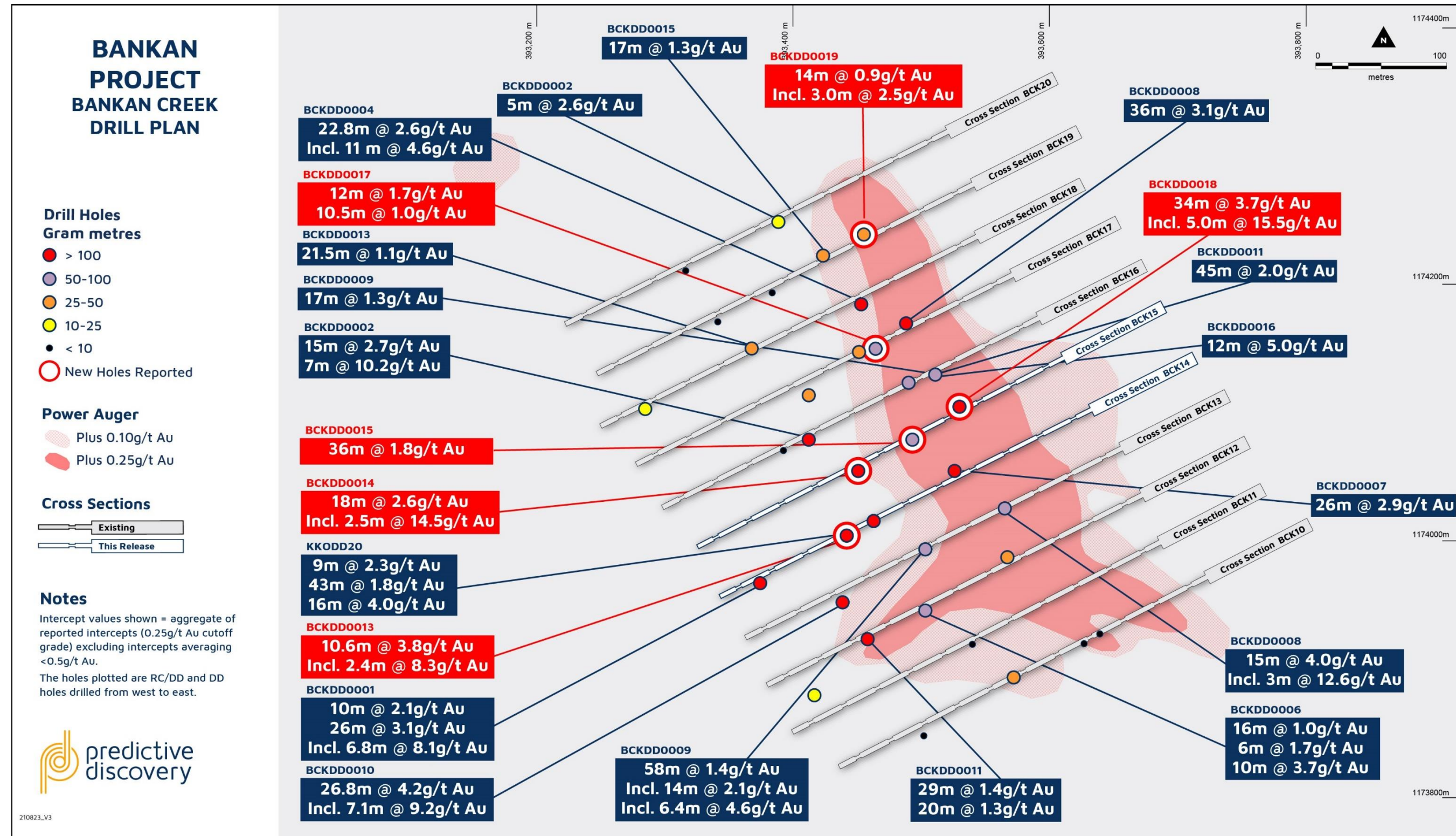


Bankan Project

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 along strike and at depth
- Infill RC-DD drilling completed for resource estimate in top 100-150m
- Only 3km from the NE Bankan Discovery
- Gold mineralisation from surface with excellent grades - potential for highly profitable satellite deposit to supplement NE Bankan



Bankan Project

Bankan Creek Prospect

BROAD WIDTHS INCLUDING HIGH-GRADE GOLD:

BCKDD0018

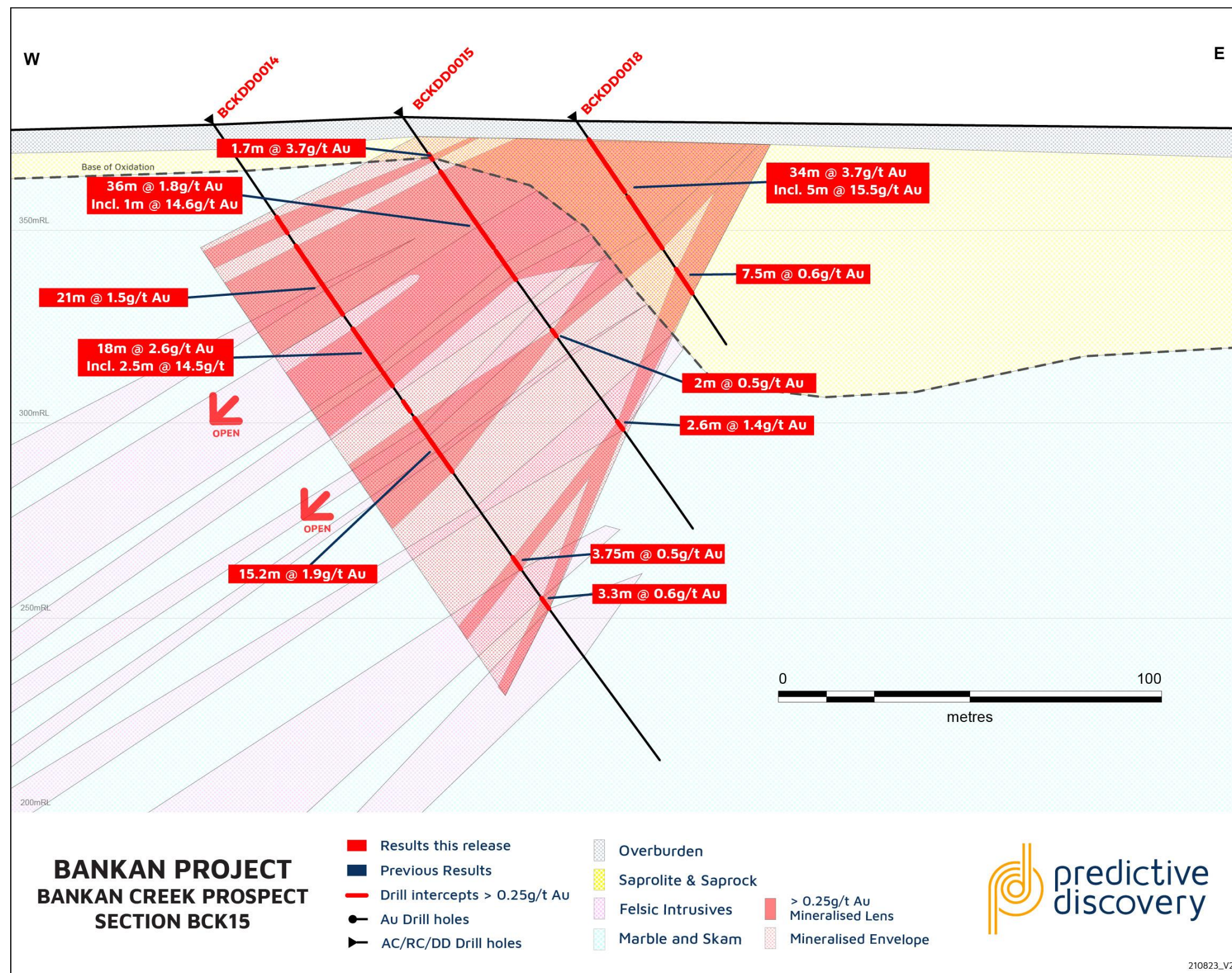
- 34m @ 3.7g/t Au incl. 5m @ 15.5 g/t Au

BCKDD0014

- 36m @ 1.8g/t Au incl. 1m @ 14.6g/t Au

BCKDD0014

- 21m @ 1.5g/t Au
- 18m @ 2.6g/t Au
- 15m @ 1.9g/t Au

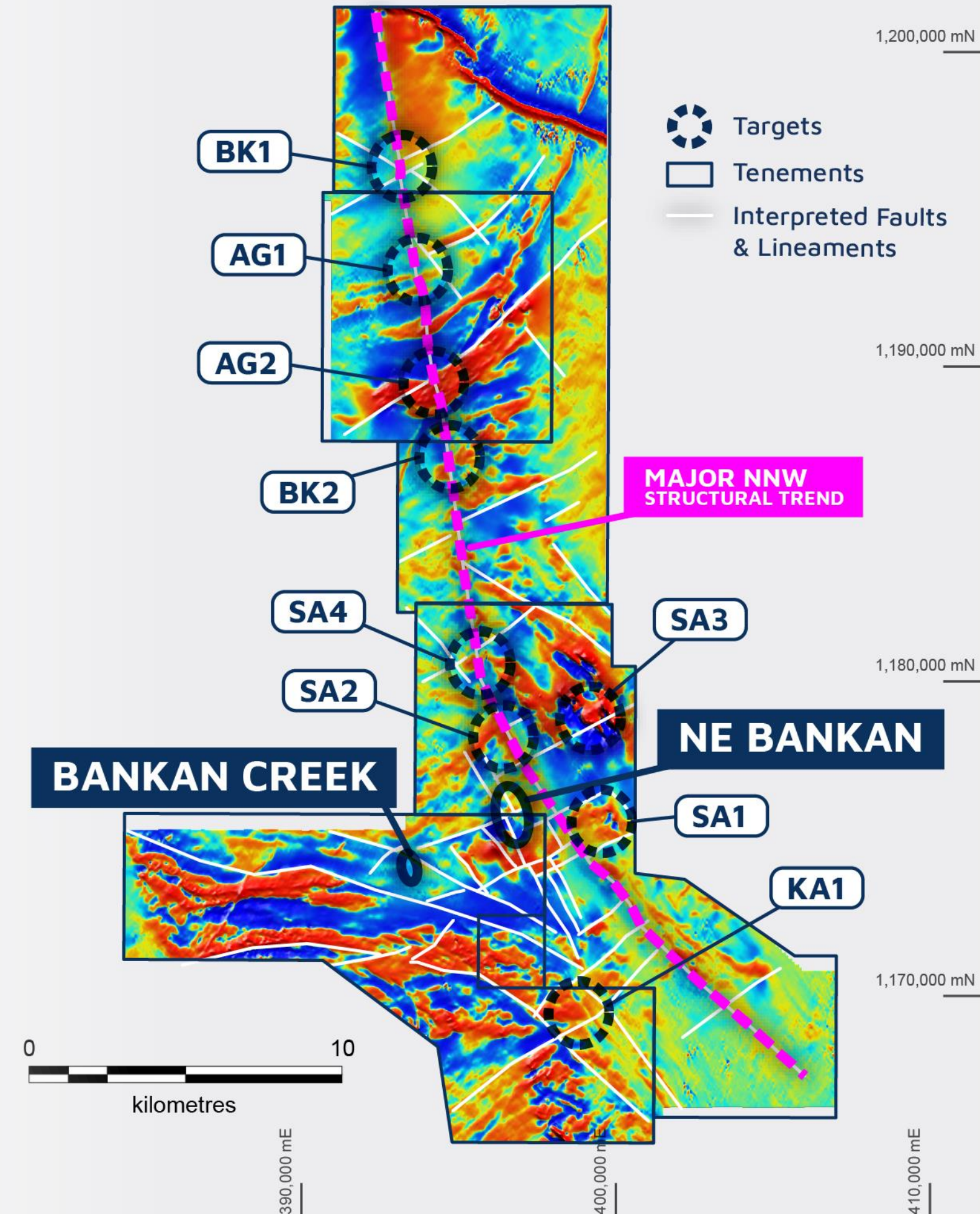


Room to Grow

35km-long Gold Corridor Emerges

AEROMAG DELIVERS REGIONAL DRILL TARGETS

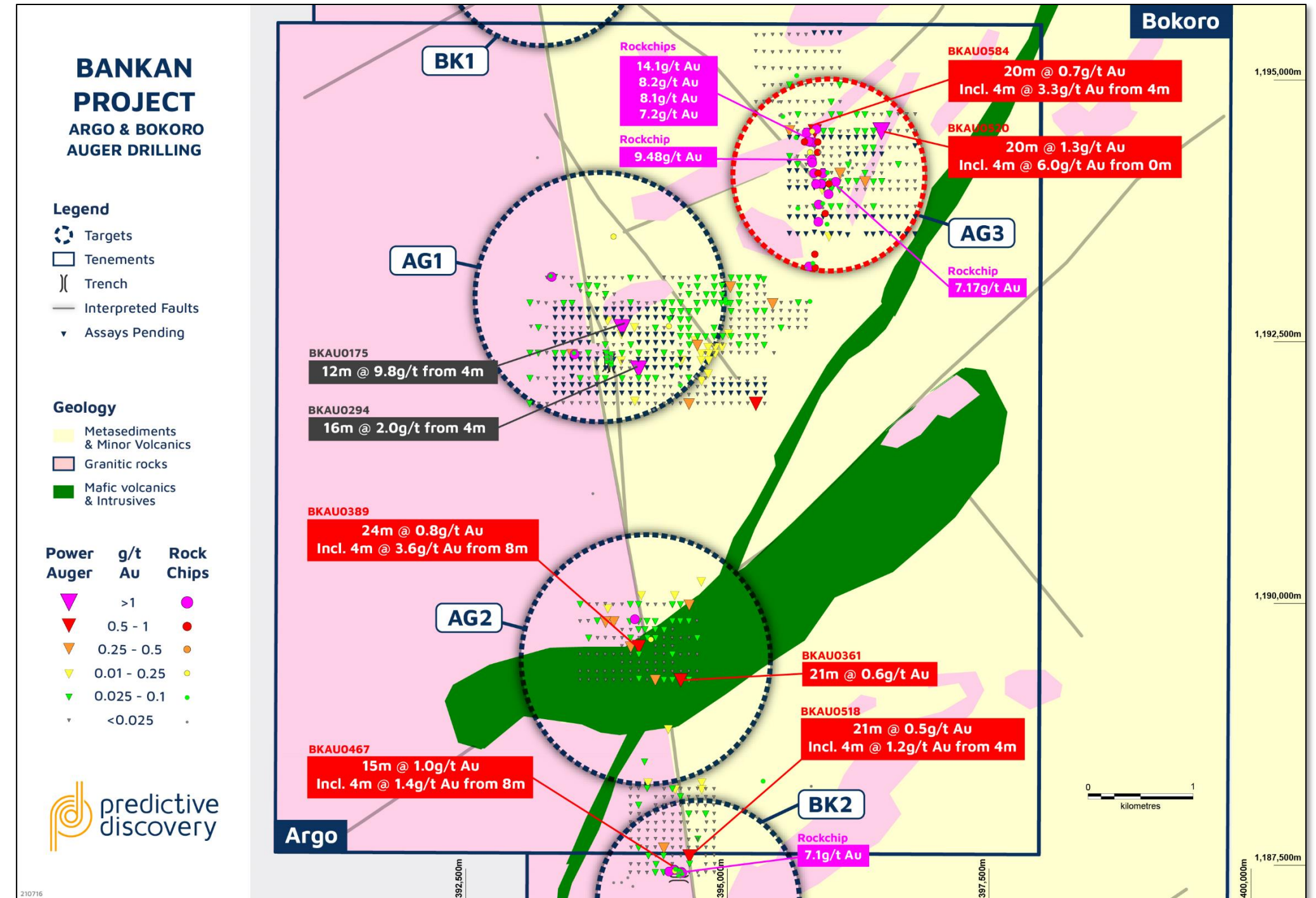
- 9 high priority regional gold drill targets identified from recently completed aeromagnetic survey, flown across the Bankan Project
- New targets are located on interpreted ENE-WSW faults, crosscutting a newly recognised major 35km-long north-northwest structural corridor
- Structural corridor has potential to host numerous **“NE Bankan-style”** discoveries.
- Lithological and structural elements controlling gold mineralisation at NE Bankan have provided a new model for gold discovery



Auger Drilling and Rock Sampling finds new gold mineralisation and high grades in the northern permits

AUGER DRILLING DELIVERING RESULTS

- 15,000m of regional power auger drilling now underway, with grids testing nine new targets designed to outline further gold auger footprints.
- Bankan on 358km² of ground – to date auger drilling has tested less than 10% of area.



Koundian Project

Strategically located along strike from the Managem Group's 2Moz Tri-K gold deposits

- Power auger drilling has returned shallow high-grade gold along a corridor of interpreted NE orientated structures:

KDNAU0473

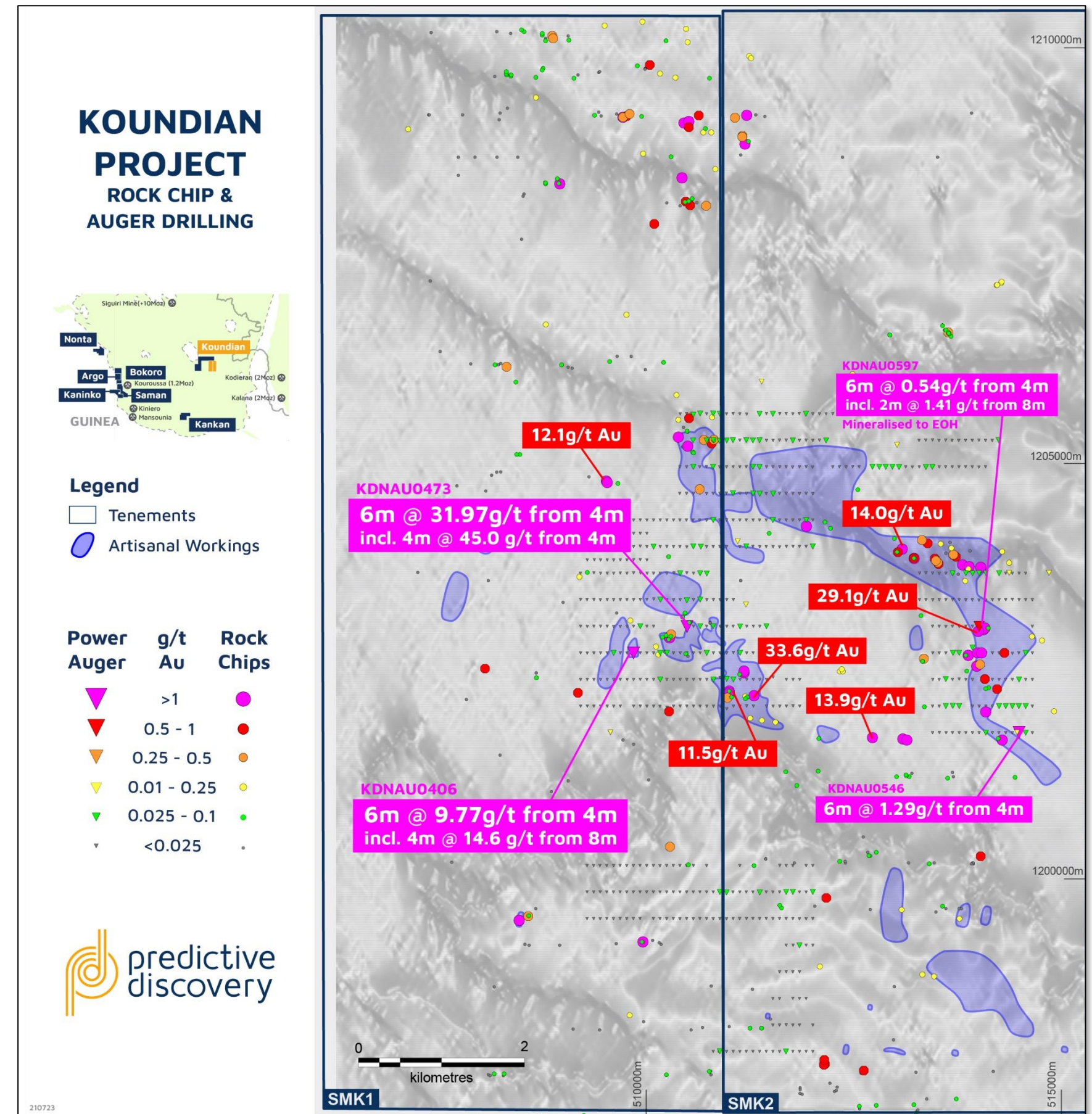
- 6m @ 32.0g/t Au from 4m (to EOH), incl.
- 4m @ 45.0g/t Au from 4m

KDNAU0406

- 6m @ 9.8g/t Au from 4m (to EOH)

KDNAU0546

- 6m @ 1.3g/t Au from 4m (to EOH)



Bankan Project Timeline

**BANKAN-2 RC-DD:
DEEP GOLD MINERALISATION
DEFINITION & OXIDE DRILLING
(Completed)**

**BANKAN-3
ONGOING GOLD DISCOVERY IN NEW HIGH-GRADE
AREAS + INFILL DRILLING + BASELINE/INTERNAL
TECHNICAL STUDIES (Ongoing)**



**HIGH-GRADE
GOLD ZONE
DISCOVERED**

**BANKAN-1 RC-DD:
EXPLORATION STAGE
(Completed)**

**METALLURGICAL
TESTWORK + MRE
DELIVERY**

RESOURCE UPDATES

Rapidly Advancing Bankan Towards Development

Current Bankan Resource Drilling Complete

>80,000m of
drilling completed

Q3 2021 Metallurgical Testwork

Testing both
weathered & fresh
gold mineralisation

Q3 2021 Development Pathway

Drilling designed to
deliver Maiden JORC-
compliant Resource in late
September

Exciting 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 upside as Bankan advances and regional exploration materialises



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discovery

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ASX:PDI

MATERIAL ASX RELEASES



STRONG WIDTHS AND GRADES FROM BANKAN CREEK RESOURCE DRILLING, 24/08/2021

MORE BROAD WIDTHS AND HIGH-GRADES FROM BANKAN DRILLING, 2/08/2021

BONANZA GOLD GRADES AS HIGH-GRADE ZONE IS REVEALED AT BANKAN, 19/07/2021

44M @ 8G/T GOLD, HIGHEST IMPACT GOLD INTERCEPT AT BANKAN, 1/07/2021

BROAD GOLD INTERCEPTS FROM BANKAN CREEK AND NE BANKAN, 17/06/2021

NE BANKAN EXTENDS TO DEPTH WITH STRONG GOLD GRADES, 3/06/2021

6M AT 32G/T GOLD FROM FIRST DRILLING AT KOUNDIAN, GUINEA, 31/05/2021

WIDESPREAD & HIGH-GRADE GOLD FROM BANKAN REGIONAL AUGER, 13/05/2021

NE BANKAN CENTRAL GOLD ZONE EXTENDING TO SOUTH AT DEPTH, 6/05/2021

BANKAN AEROMAG MANY NEW DRILL TARGETS ALONG 35KM STRUCTURE, 28/04/2021

NE BANKAN GOLD MINERALISATION SUBSTANTIALLY EXTENDS AT DEPTH, 15/04/2021

NE BANKAN GROWS TO 300M WIDE. HIGH GRADE GOLD FROM SURFACE, 31/03/2021

EXCEPTIONALLY HIGH GRADES, THICK INTERCEPTS FROM NE BANKAN, 15/03/2021

SUBSTANTIAL OXIDE GOLD ZONE EMERGING AT NE BANKAN PROJECT, 5/03/2021

MORE DEPTH EXTENSIONS FROM DRILLING BANKAN GOLD DISCOVERIES, 25/02/2021

HIGH GRADE DRILL RESULTS EXTEND BANKAN CK DISCOVERY TO NORTH, 11/02/2021

OUTSTANDING, WIDE GOLD INTERCEPT GROWS BANKAN AT DEPTH, 28/01/2021

BANKAN GOLD PROJECT DRILLING ACCELERATED, 22/01/2021

DIAMOND DRILLING UNDERWAY AT BANKAN GOLD PROJECT, 17/12/2020

EXPLORATION UPDATE - BANKAN GOLD PROJECT, GUINEA, 27/11/2020

EXPLORATION UPDATE - BANKAN-2 GOLD DRILLING UNDERWAY, 20/10/2020

92M AT 1.9G/T GOLD - DIAMOND DRILLING EXPANDS BANKAN PROJECT, 13/10/2020

NE BANKAN GOLD DEPOSIT GROWS WITH MORE STRONG DRILL RESULTS, 25/09/2020

ADDITIONAL PERMITS ALONG STRIKE FROM FLAGSHIP BANKAN PROJECT, 17/09/2020

55M AT 2.94G/T GOLD-BROAD TRUE WIDTHS CONFIRMED AT BANKAN, 10/09/2020

NE BANKAN NOW 1.6KM LONG WITH POSSIBLE PARALLEL GOLD ZONE, 3/09/2020

BANKAN CREEK GOLD ZONE FURTHER EXPANDED, 27/08/2020

STRONG WIDE GOLD INTERCEPTS FROM BANKAN CREEK AND NE BANKAN, 19/08/2020

OUTSTANDING HIGH-GRADE GOLD RESULTS FROM NE BANKAN, GUINEA, 7/08/2020

DIAMOND DRILLING CONFIRMS GOLD AT DEPTH AT NE BANKAN, GUINEA, 31/07/2020

IMPRESSIVE 1ST RC DRILL RESULTS GROW NE BANKAN DISCOVERY, 17/07/2020

NE BANKAN DISCOVERY GUINEA EXTENDED 30% TO 1.3KM IN LENGTH, 30/06/2020

SAMAN EXPLORATION PERMIT GRANTED, 19/06/2020

PDI WEST AFRICAN EXPLORATION UPDATE 7 DRILL RIGS ACTIVE, 9/06/2020

KANINKO AUGER RESULTS DOUBLE GOLD-MINERALISED STRIKE LENGTH, 27/05/2020

UPDATE ON ASSAY RESULTS KANINKO PROJECT GUINEA, 25/05/2020

DRILLING UPDATE - KANINKO PROJECT, GUINEA, 7/05/2020

FINAL DRILL RESULTS, BANKAN CREEK, KANINKO PROJECT, GUINEA, 30/04/2020

44M AT 2.06G/T GOLD FROM BANKAN CREEK, KANINKO, GUINEA, 27/04/2020

POWER AUGER DRILLING UNDERWAY AT KANINKO GOLD PROJECT, 24/04/2020

DIAMOND DRILLING EXTENDS GOLD MINERALISATION AT OUARIGUE CDI, 16/04/2020

OUTSTANDING DRILL RESULTS FROM NEW GOLD DISCOVERY IN GUINEA, 15/04/2020

GUINEA GROUND ACQUIRED NEAR PLUS-2 MILLION OZ GOLD DEPOSITS, 7/04/2020

AC-RC DRILLING UNDERWAY IN GUINEA, ACCELERATING EXPLORATION, 24/03/2020

HIGH-GRADES-BROAD WIDTHS FROM GUINEA AUGER-TRENCHING PROGRAM, 19/03/2020

UP TO 8G/T GOLD FROM POWER AUGER DRILLING IN GUINEA, 26/02/2020