



# West Africa's Next Tier-1 Gold Mine

ASX:PDI

RIU Sydney Resources Round-up Conference  
May 2023



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# Forward looking statements, disclaimer and compliance

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 and Compliance Statement**

The Mineral Resource estimates reported herein are based on information compiled by Mr Phil Jankowski, who is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Jankowski is a full-time employee of CSA Global Pty Ltd and has sufficient experience relevant to the style of mineralisation and type of deposits being considered 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. The Mineral Resource estimate referred to in this presentation was released to ASX on 6 February 2023. The Company is not aware of any new information or data that materially affects the mineral resource estimate contained in this announcement and all material assumptions and technical parameters underpinning the mineral resource estimate continue to apply and have not materially changed.

The information in this announcement that relates to prior Exploration Results have been extracted from ASX market announcements detailed in the "Material ASX Releases" slide in the appendix. The Company confirms that it is not aware of any new information or data that materially affects previous exploration results referred to in this announcement. The Company also confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the relevant original market announcements.

This presentation has been authorised for release by Andrew Pardey, Managing Director.

# Company highlights

All the ingredients for a Tier-1 gold mine, with potential for additional discoveries

## Company fundamentals

- **Exploration/development company with a Tier-1 gold asset in Guinea**
- ASX listed (ASX: PDI)
- Market cap A\$322m\*
- Sustainable development strategy with strong environmental and social focus
- Dual strategy to progress NEB/BC towards development and unlock the full exploration potential of Bankan
- Best-in-class technical and ESG partners

## Bankan deposits

- **4.2Moz resource at NEB (3.85Moz) and BC (331Koz)**
- 50% of NEB's 3.5Moz open pit resource classified as Indicated
- High-grade NEB underground resource of 335Koz at 4.75g/t (Inferred)
- Significant upside potential
- Focus on delivering a Scoping Study in late 2023 to secure a Mining Permit in H1 2024

## Bankan regional upside

- **Potential for additional major discoveries**
- Birimian/Archean contact hosts some of Africa's largest gold discoveries
- 35km-long richly gold endowed structure
- Exploration and discovery in its infancy
- Dedicated regional exploration team and increasing focus in 2023

## Management team

- **The right Management Team to build & operate the mine**
- Strong track record of building out resource bases and putting mines into production
- Strategy in place to increase Bankan resource and develop into a mine

\*Market capitalisation as at 5 May 2023

# The right team

## Highly experienced Board and senior management team

### Board **Simon Jackson** Non-Executive Chairman

- 25 years' experience in the management of resource companies, particularly in Africa
- Former senior management at Red Back which developed and operated two gold mines in West Africa and was sold to Kinross for C\$9.3b
- Non-Executive Chairman of Sarama Resources Limited (TSX-V:SWA, ASX:SRR) and Non-Executive Director Resolute Mining (ASX/LSE:RSG)

### **Andrew Pardey** Managing Director

- Geologist with extensive experience in West Africa
- Formerly COO and then CEO of Centamin (LSE:CEY, TSX:CEE)
- Built the 13Mt and 450Koz+ Au pa Sukari Mine in Egypt and Lefa Mine in Guinea

### **Sandra Bates** Non-Executive Director

- 20+ years' experience
- Risk assessment specialist within the natural resources sector
- Non-Executive Director: Adriatic Metals (ASX:ADT, LSE:ADT1) and General Counsel Elemental Altus Royalties (TSX-V:ELE)

### **Steven Michael** Non-Executive Director

- 25+ years' experience in the global resources sector
- Non-Executive Director of Wia Gold Limited (ASX:WIA)
- Previously Managing Director of Vimy Resources (ASX:VMY) and Executive Director Deep Yellow (ASX:DYL)

### Management

#### **Marlyatou Balde** Country Manager

- Guinean National and geologist with 25+ years' experience in the resource industry
- Most recently, Technical Advisor to the Minister of Mines and Geology - Guinea

#### **Pierre Louw** Chief Financial Officer

- Senior accountant with 35+ years' experience
- Has worked extensively in Africa, including Tanzania, Egypt, Zambia and South Africa
- Previously CFO for Centamin, FD of Lumwana Mining Company in Zambia (Equinox), finance and business manager of Geita Gold Mine Tanzania

#### **Andre Pieters** ESG Manager

- 25+ years' environmental and social compliance experience in infrastructure development and mining
- Most recent role in Guinea was leading the environmental compliance program for a major bauxite exporter
- Previous roles include Kinross Tasiast Mauritania Environment Superintendent/Manager

#### **Franck Bizouerne** Resource & Geology Manager

- 25+ years' experience in greenfield and brownfield exploration in gold and other minerals across Africa
- Has worked with explorers, mid-tier and major miners, including Orano, Endeavour Mining and Rio Tinto
- Successfully developed resource of several mines such as Youga in Burkina Faso, and Angovia and Agbaou in Cote d'Ivoire

#### **Chris Boreham** Project Feasibility Manager

- Mining Engineer 30+ years' experience in hard rock mining underground and open pit, both owner operator and contract mining
- Has delivered feasibility studies across Australia, China and Africa
- Previously General Manager Sukari Gold Mine Egypt

#### **Brad Milne** Corp Dev Manager

- 15+ years' corporate development and investment banking experience in the resources industry
- Investor relations, business development, transactions, studies, debt and equity funding
- Previous roles include Corporate Development Manager at BCI Minerals



# Capital structure

**1,792M**

Shares on issue

**A\$19M**

Cash (at 31 March 2023)

**A\$322M**

Market cap (at 5 May 2023)

## Technical partners



## Research



**Brock Salier**



**Ben Crooks**



**Paul Howard**



**Mike Millikan**

## Major shareholders



**(11.6%)**

**(9.8%)**

Various North American resource and gold focused funds

**(3-5%)**





4.2Moz  
at 1.69g/t Au

# Bankan Gold Project



# About Guinea

Mature resources industry; West Africa's next major gold region

## Established mining code & fiscal regime

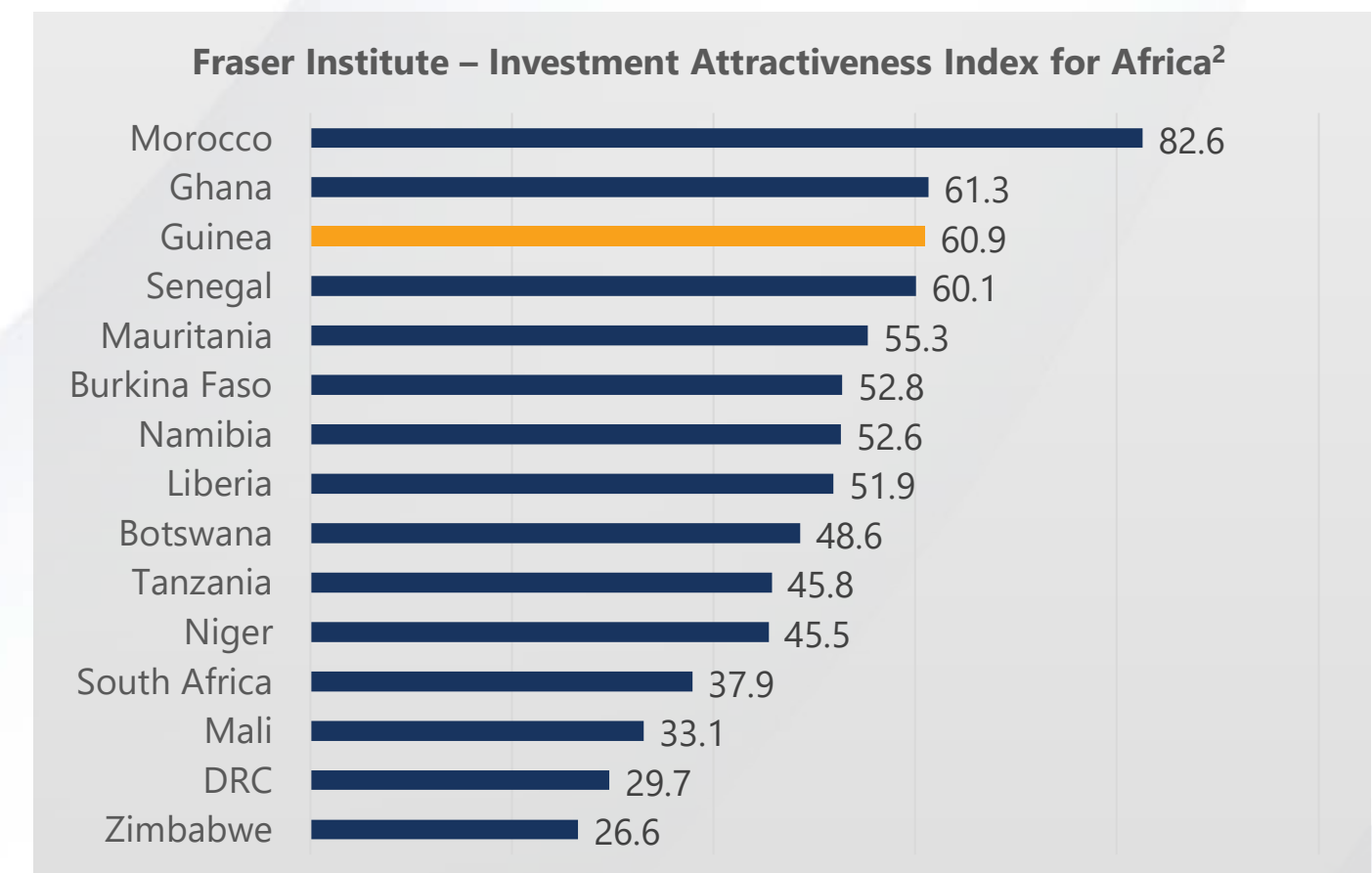
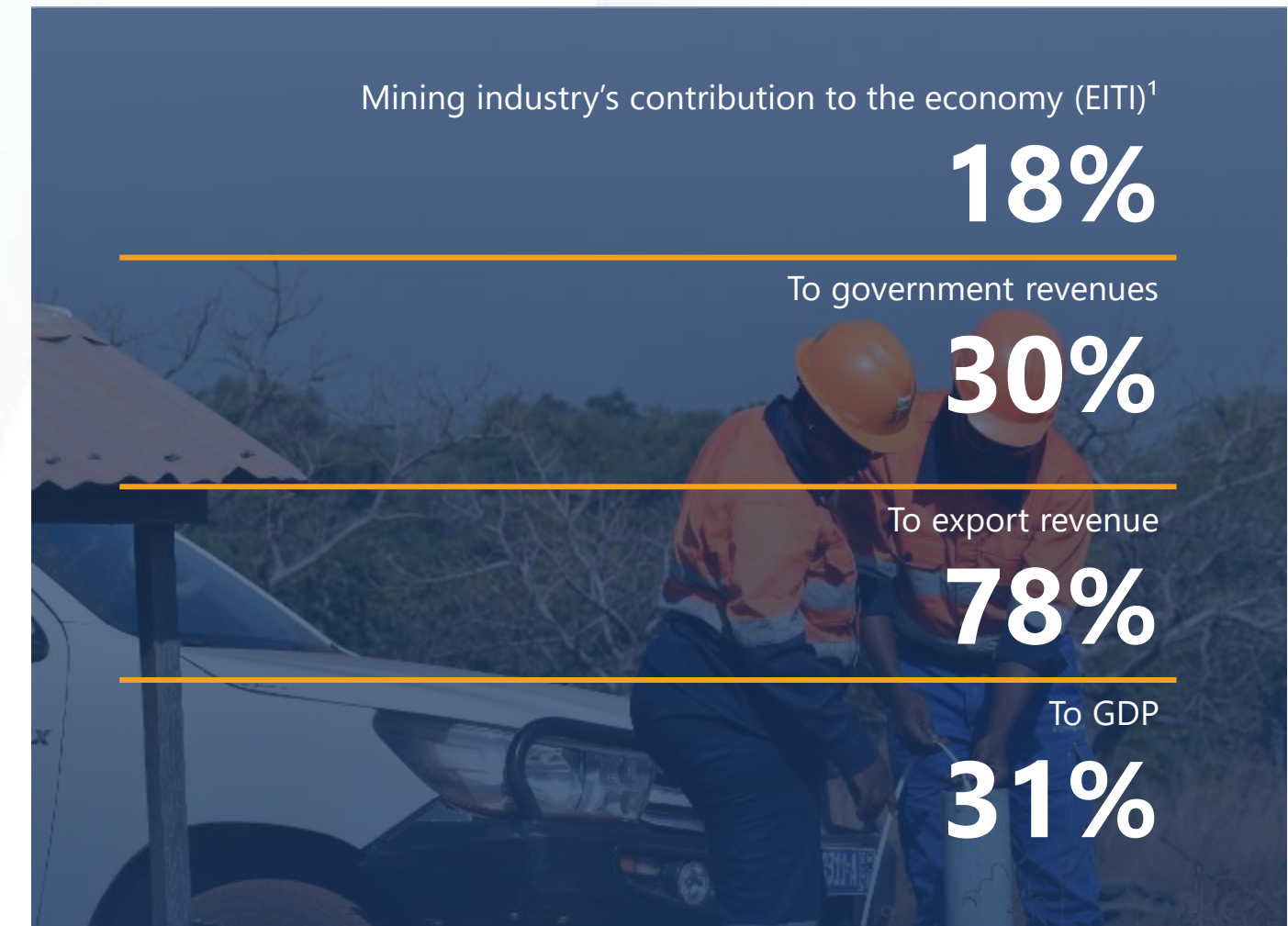
- Royalty of 5% plus a 1% contribution to local Development
- Corporate tax rate of 30%
- State entitled to 15% free carry
- Advanced and robust environmental management expectations

## Stable and mature mining jurisdiction

- Low security risk, uninterrupted mining, geologically fertile and underexplored region
- Mining an important contributor to Guinea's economy
- World's third largest bauxite producer and exporter
- Established and long running gold industry with two major mines
- Ranked third on Fraser Institute Investment Attractiveness Index for Africa<sup>2</sup>
- Major global resource companies operating in country

## Positive, two-way communication with Mining and Environmental Ministries

- Regular engagement at all levels



1. <https://eiti.org/news/guinea-achieves-high-score-eiti-implementation>

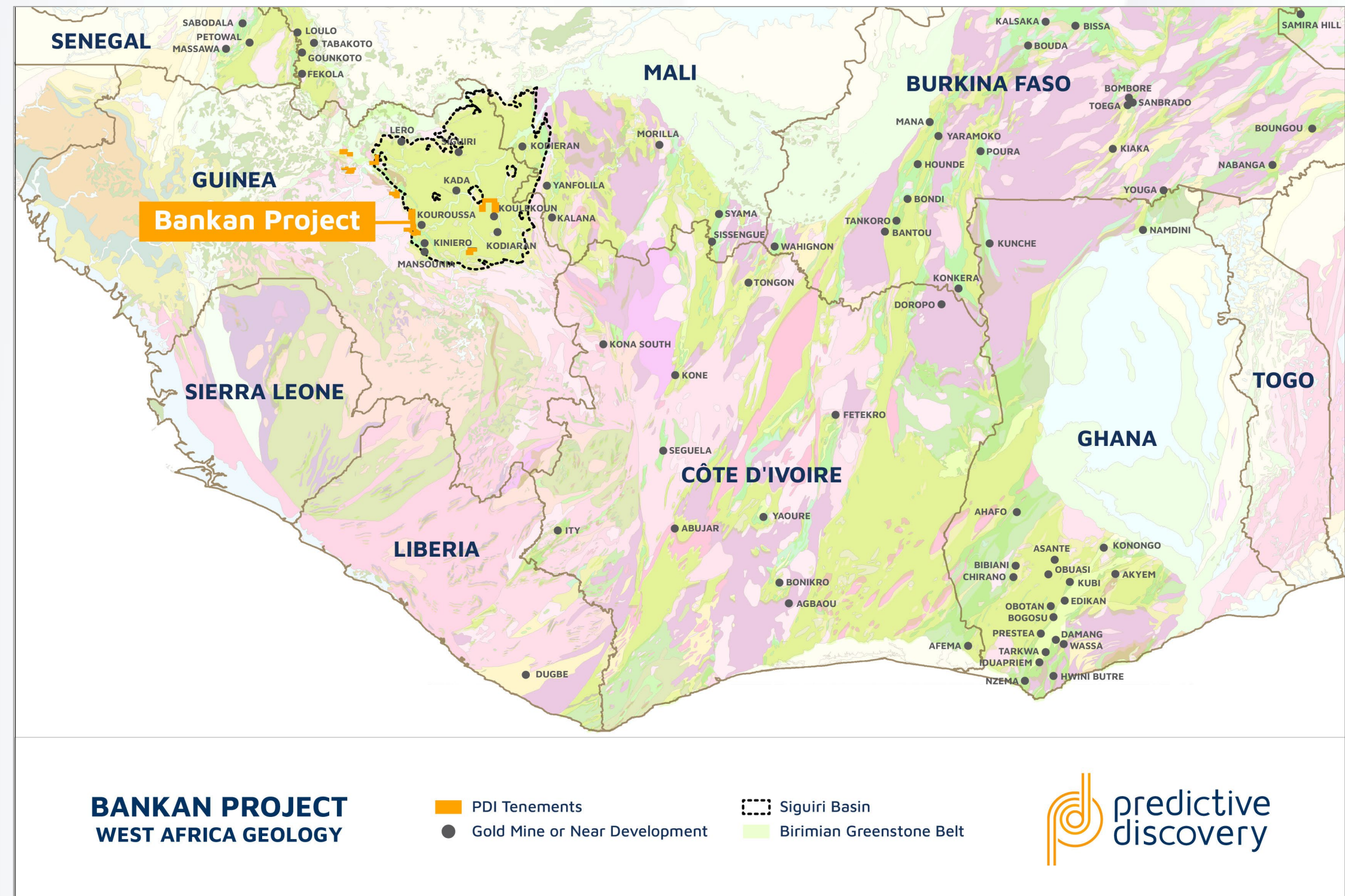
2. <https://www.fraserinstitute.org/sites/default/files/annual-survey-of-mining-companies-2021.pdf>



# Guinea's Siguiri Basin

Bankan strategically located in the centre of Guinea's new gold rush

- Siguiri Basin is the least explored region within the West African Birimian Greenstone belt
- Hosts mines and deposits including:
  - **AngloGold Ashanti's Siguiri Gold Mine**  
(6.4Moz gold resource; 258Koz 2021 production; operating for 25 years)
  - **Nordgold's Lefa Gold Mine**  
(4.5Moz gold resource; 163Koz 2021 production; operating for 15 years)
  - **Hummingbird's Kouroussa's Gold Mine**  
(1.2Moz gold resource; commissioning underway and first gold expected Q2 2023; targeting 100Koz pa over 7 years)
  - **Robex's Kiniero Gold Project**  
(2.7Moz gold resource; PFS completed; targeting 100Koz pa over 6.5 years)
- Siguiri Basin's margins now globally recognised to be a richly mineralised fluid conduit, perfect for large greenfields gold discovery

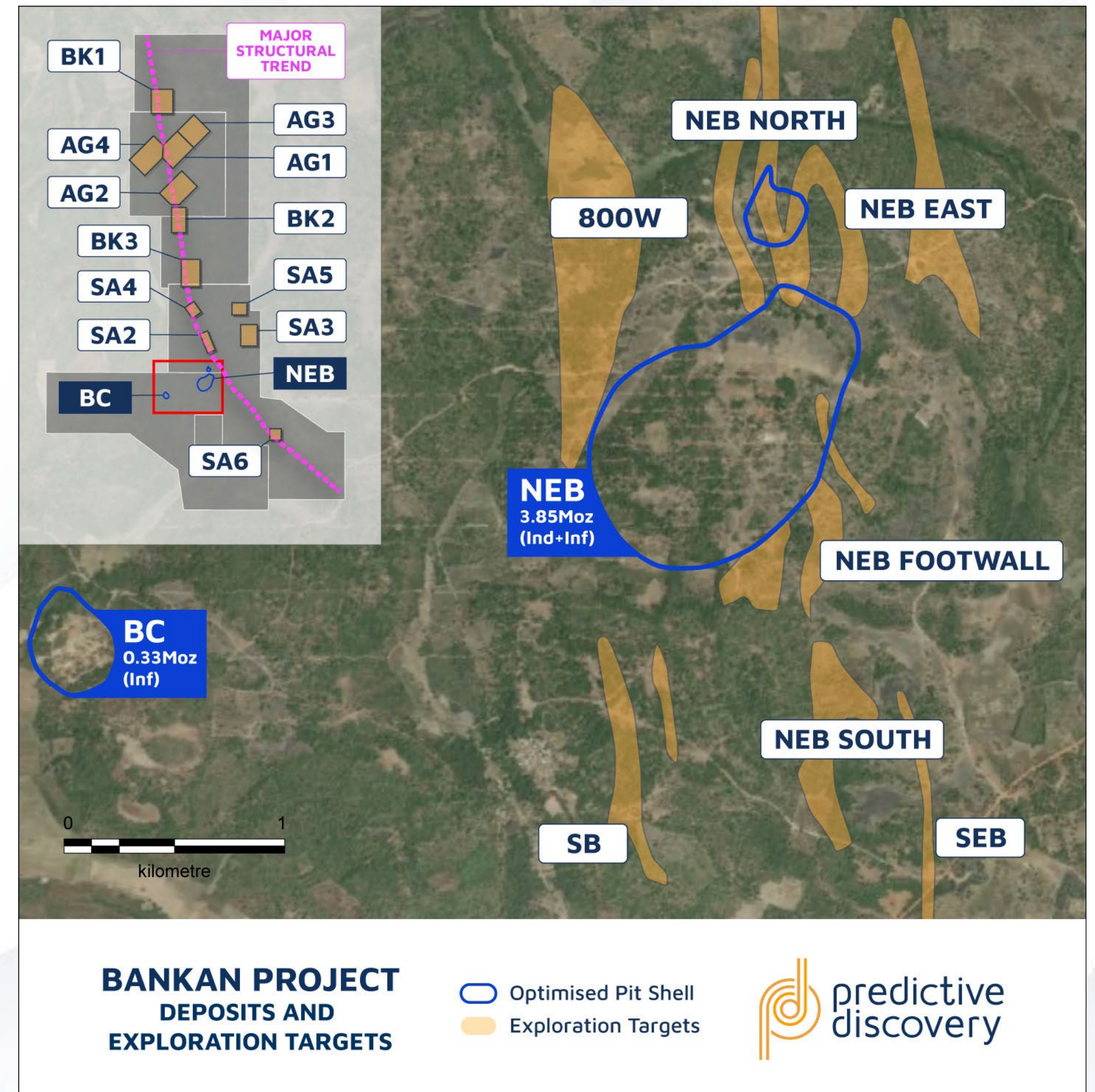




# Introduction to Bankan

## West Africa's next Tier-1 gold deposit

- Four contiguous exploration permits covering a 35km-long richly gold endowed super structure
- Mineral Resource of 4.2Moz @ 1.69g/t across two separate deposits<sup>1</sup>
  - **NEB: 3.85Moz @ 1.72g/t (Ind & Inf)**
  - **BC: 0.33Moz @ 1.42g/t (Inf)**
- Extensive drilling program ongoing to grow and upgrade gold resources – 86,000m of DD/RC drilling completed in last 12 months
- Straightforward open pit project with significant potential for high-grade underground mining
- Simple metallurgy with potential for industry-standard processing and high gold recoveries
- Scoping Study due to be completed late 2023 – crucial for permitting process
- Significant near-resource and regional exploration potential





# Upper Niger National Park

## Understanding our critical context

NEB and BC deposits located in Buffer Zone 2 of the Upper Niger National Park (Parc Nationale Haut Niger – “PNHN”), 18-21km away from the Core Conservation Area

### PDI’s strategy and activities:

- Engaging with the Guinea Government and other stakeholders to define the environmental, social, administrative and permitting requirements to develop the project within Buffer Zone 2
- Designing a program and developing appropriate environmental safeguards to align with the protection objectives of the PNHN and enable the responsible development of the project

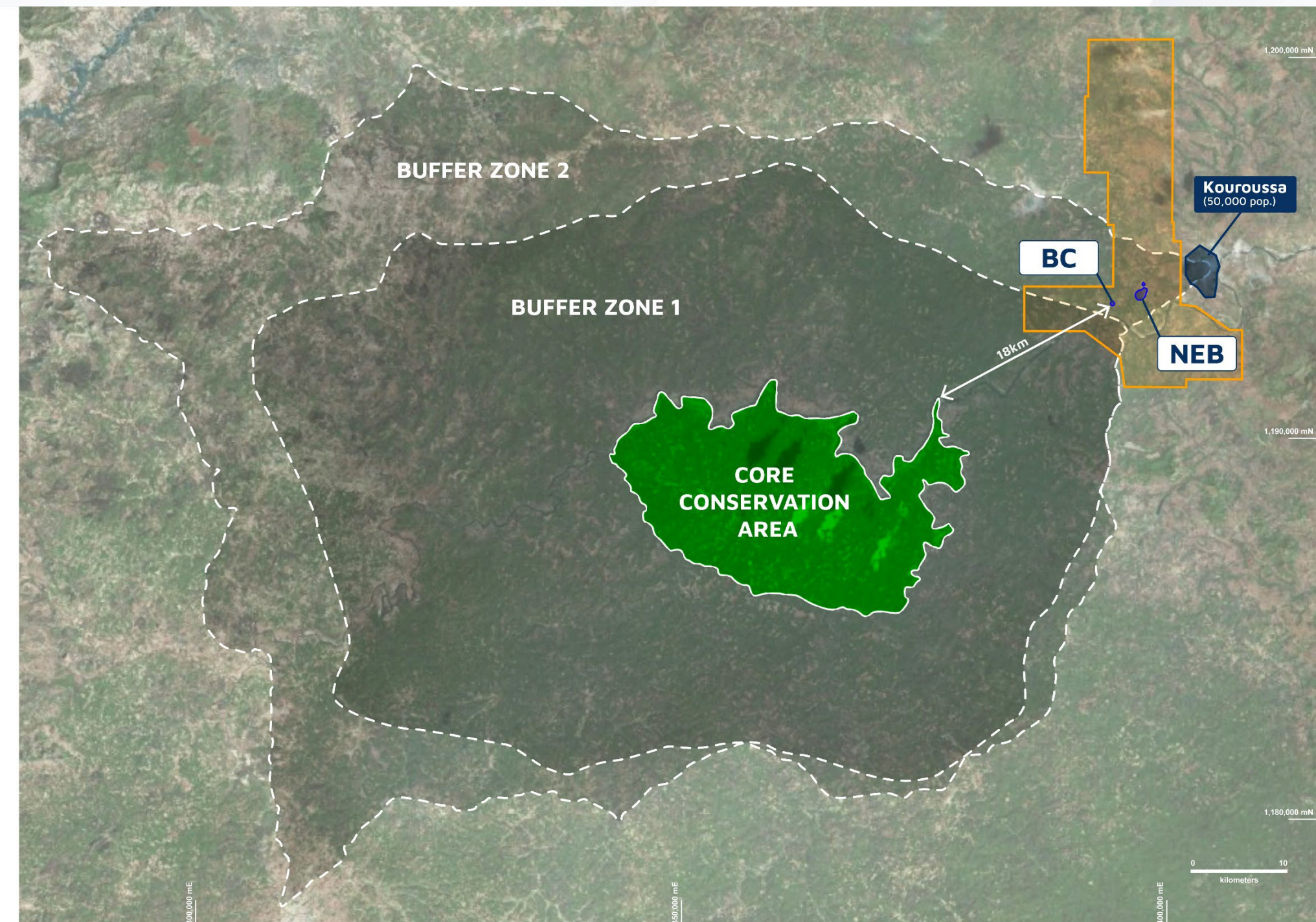
### PDI will support the PNHN by:

- Seeking to establish a formal arrangement with the Ministry of Environment to assist with key conservation activities
- Aiming to improve environmental outcomes in the region, especially the Core Conservation Area
- Supporting the PNHN by funding its annual fire management campaign and other community initiatives

## BANKAN PROJECT UPPER NIGER NATIONAL PARK

### Legend

- PDI Permit
- PDI Deposits
- Kouroussa Town
- Core Conservation Area
- Buffer Zone 1
- Buffer Zone 2



### The PNHN and its zones:

- Core Conservation Area with the sole purpose of fauna and flora conservation
- Buffer Zone 1 in which agricultural activities are permitted
- Buffer Zone 2 in which multiple use activities are permitted

Mining not permitted within Buffer Zone 2. However, there is precedent in Guinea for mining licences to be granted within Protected Areas, outside the core conservation zones

**PDI is conducting a robust ESIA process, compliant with Guinean regulations and international best practice (IFC Performance Standards & Equator Principles) to obtain exploitation permit**



# Landscapes within the PNHN

The mix and quality of land varies greatly within the different zones

Mix of natural and modified habitats across project area – much of natural habitat significantly disturbed by anthropogenic activities including subsistence agriculture, slash-and-burn, exploration clearance and artisanal gold mining.



*Good quality wooded savannah in PNHN*



*Degraded landscape in Buffer Zone 2 near the NEB deposit*



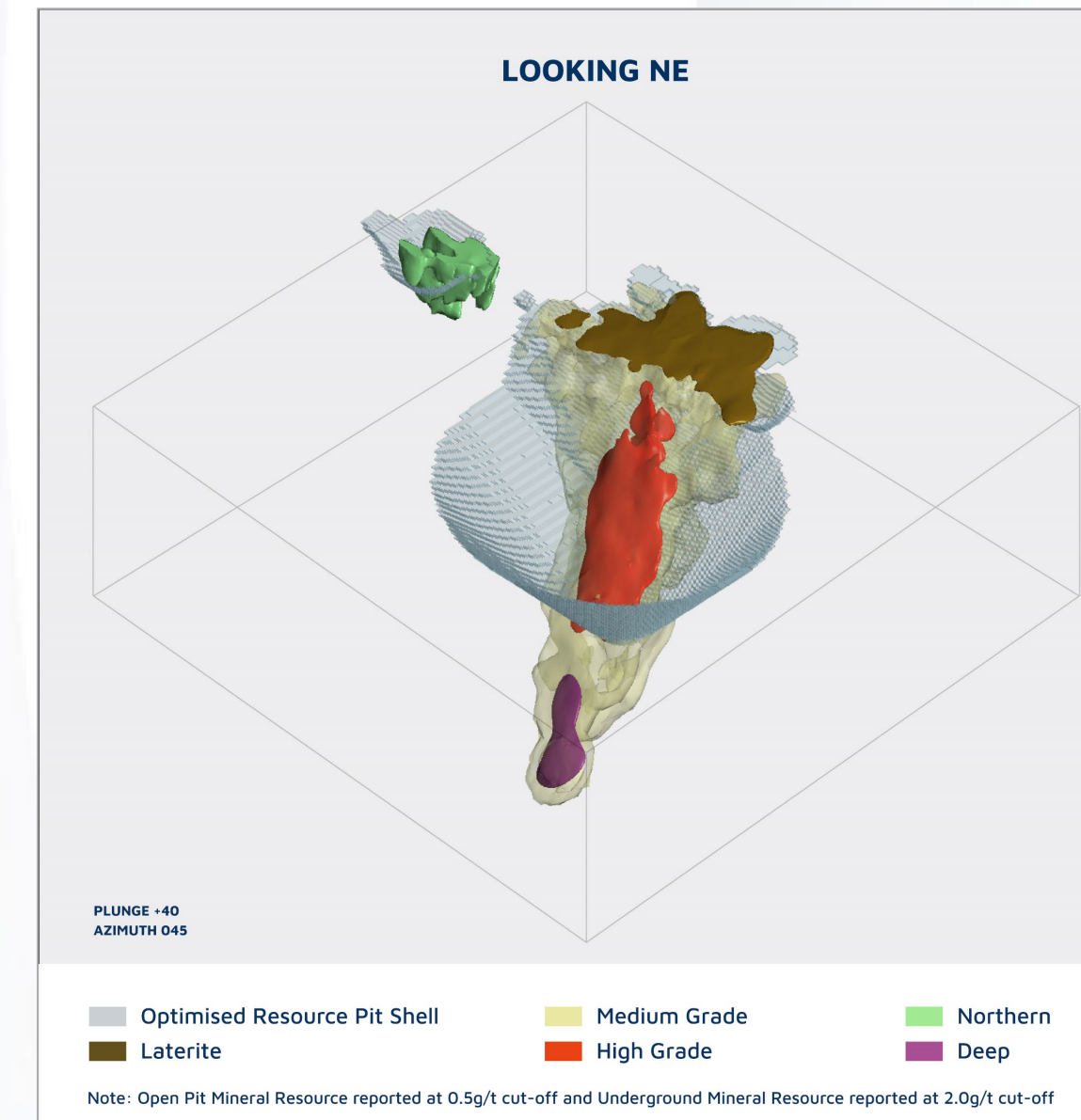
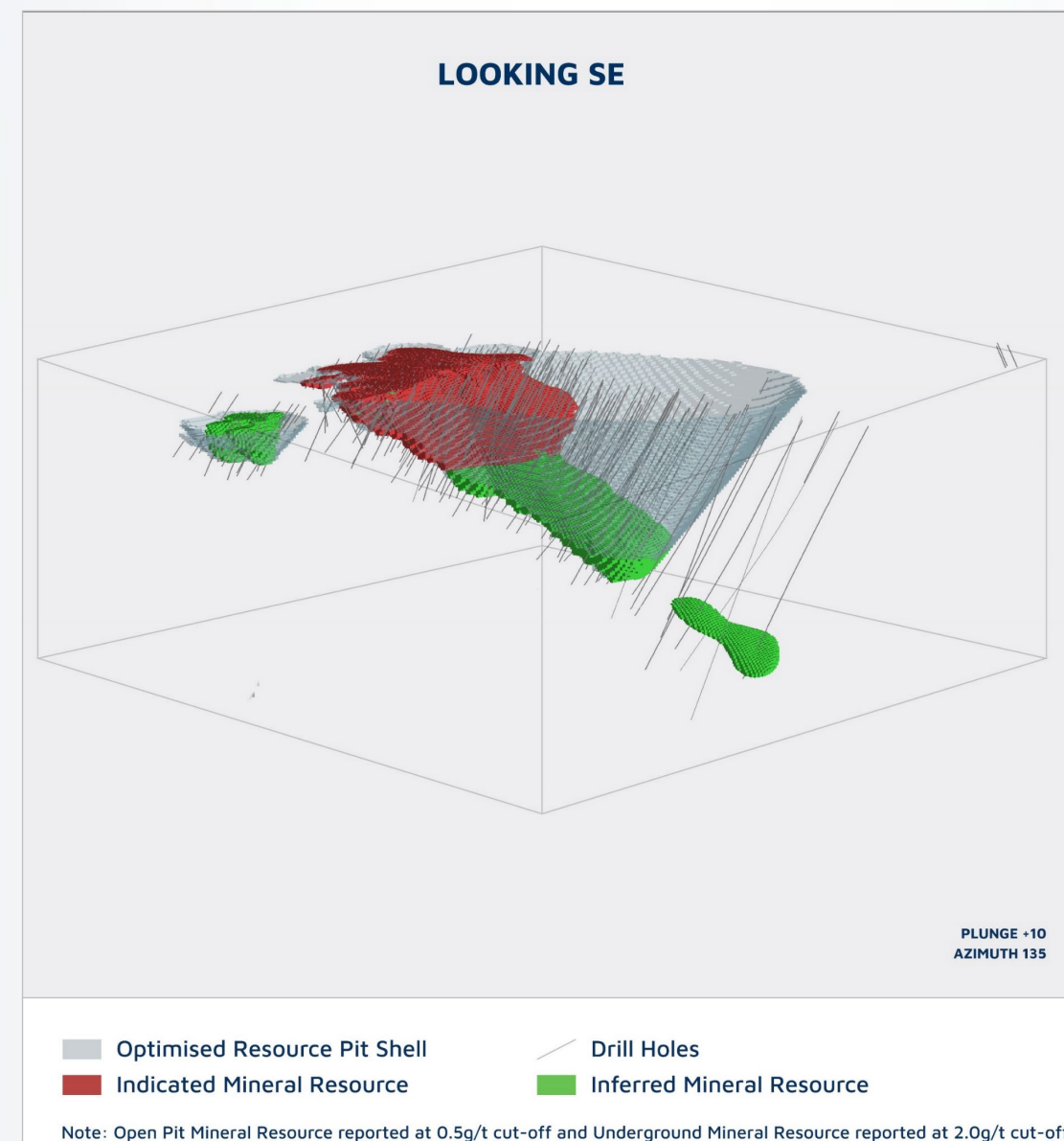
# NEB Mineral Resource

## Significant initial upgrade to Indicated category

- 4.2Moz across NEB (3.85Moz) and BC (331Koz)
- 63% of tonnes and 50% of contained gold in NEB's resource pit shell upgraded to Indicated – top 250m
- Significantly enhanced understanding of deposit geology and mineralisation controls
- Underground Mineral Resource increased to 335Koz at 4.75g/t. Still based on limited drilling with significant upside potential
- BC estimate unchanged – open in all directions and at depth
- Ongoing resource definition drilling to target:
  - Further conversion of NEB Open Pit Mineral Resource to support Scoping Study
  - Expansion of the NEB Underground Mineral Resource
  - Newly identified shears near NEB's smaller northern pit shell
  - Smaller high-grade shoots within the main pit shell
  - Resource expansion at BC

Deposit	Classification	Cut-off (g/t Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
NEB Open Pit	Indicated	0.5	42.7	1.27	1,747
	Inferred	0.5	24.7	2.23	1,768
	<b>Total</b>		<b>67.4</b>	<b>1.62</b>	<b>3,515</b>
NEB Underground	Inferred	2.0	2.2	4.75	335
<b>NEB Total</b>			<b>69.6</b>	<b>1.72</b>	<b>3,850</b>
BC Open Pit	Inferred	0.5	7.2	1.42	331
<b>Total Bankan Project</b>			<b>76.8</b>	<b>1.69</b>	<b>4,181</b>

Refer to notes in Appendix





# BC – 331Koz only 3km west of NEB

Open in all directions and at depth

## Bankan Creek Drill Plan

### Drill Holes Gram metres

- > 100
- 50-100
- 25-50
- 10-25
- < 10

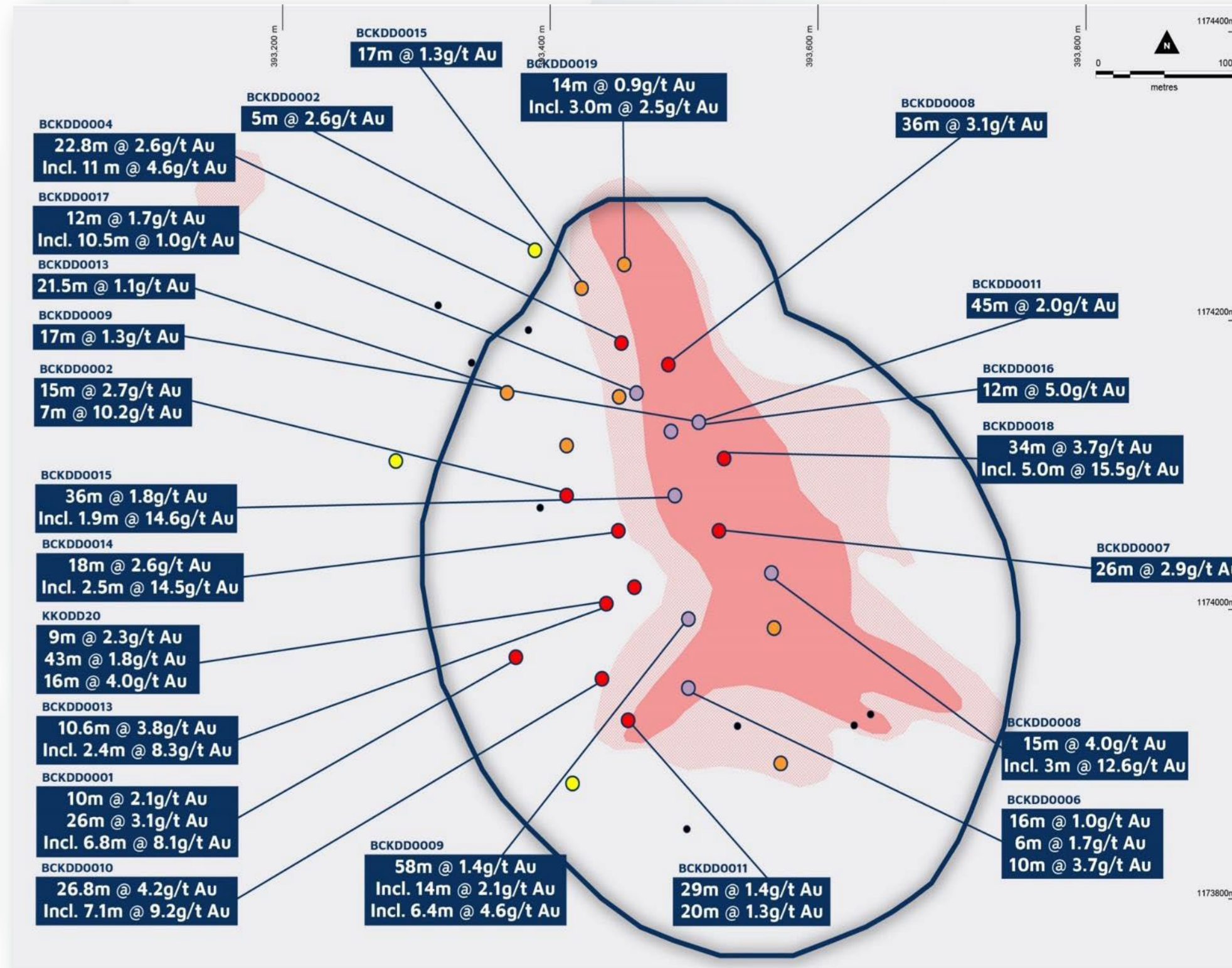
### Power Auger

- Plus 0.10g/t Au
- Plus 0.25g/t Au

### Notes

Intercept values shown = aggregate of 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.

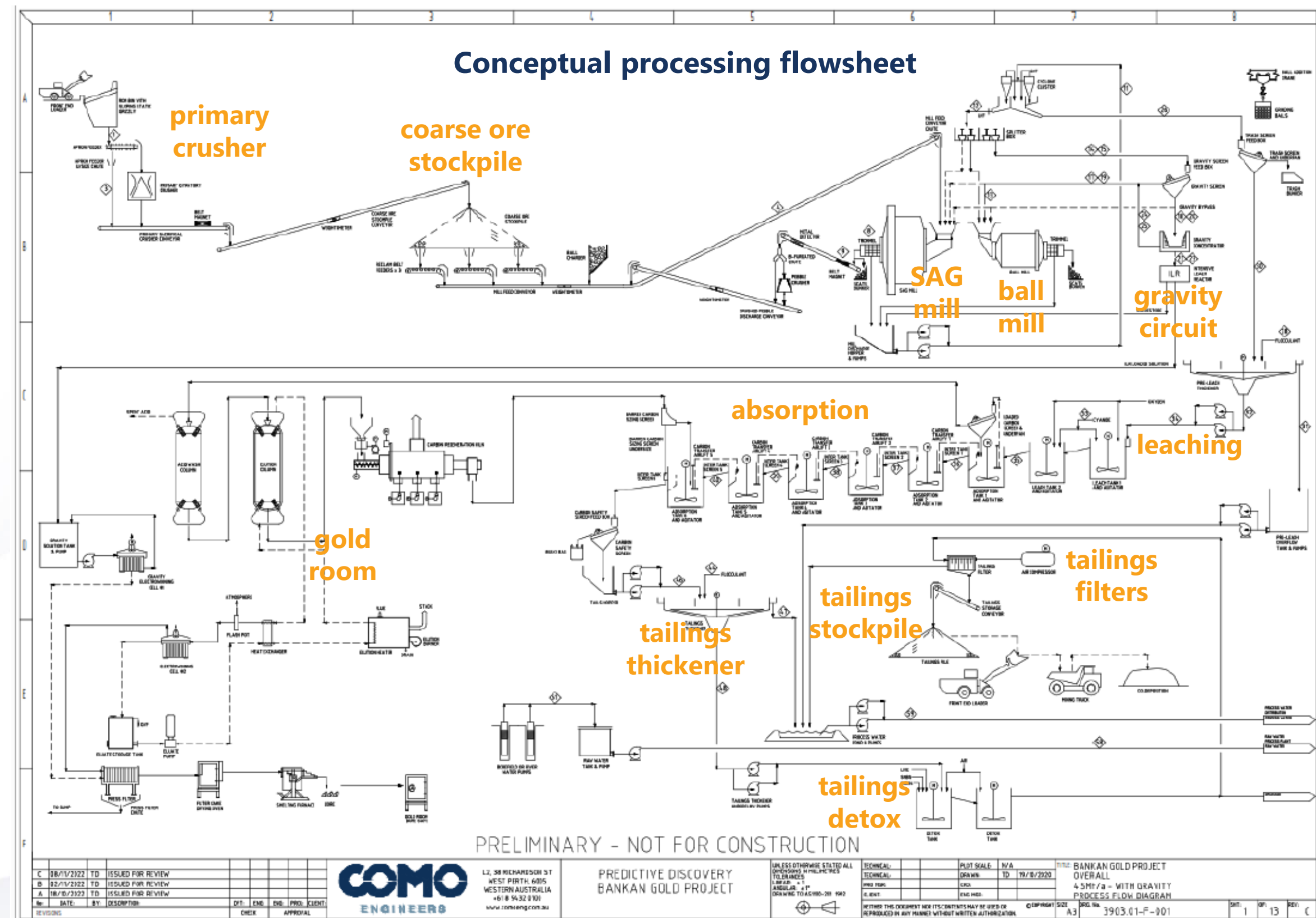


- 3km from NEB
- Lightly explored, with significant potential for Resource growth
- Re-logging and geological re-interpretation recently completed
- Assays pending from 7 DD hole drill program completed in late 2022
- Next phase of drilling being planned



# Straightforward and simple metallurgy

- Initial metallurgical test work completed on the high-grade zone in the lower area of the current pit shell with an average recovery of 92.8%
- Two sample streams tested:
  - Gravity concentrated then selected random sample tails leached. All samples tested completed leaching within 24 hours for an average recovery of 94%
  - Complete sample leach testing, target grind of p80 passing 75 micron, Leaching times with 69 sample leach kinetics indicating completion within 48 hours
- Gold mineralisation confirmed as free-milling with high gold recoveries and amenable to simple, industry-standard processing
- Gravity recovery of up to 54%
- Ball Mill Bond Work Index of 18 to 25kWh/t for fresh ore







Seeking to prove up  
the full potential of  
the Bankan permits

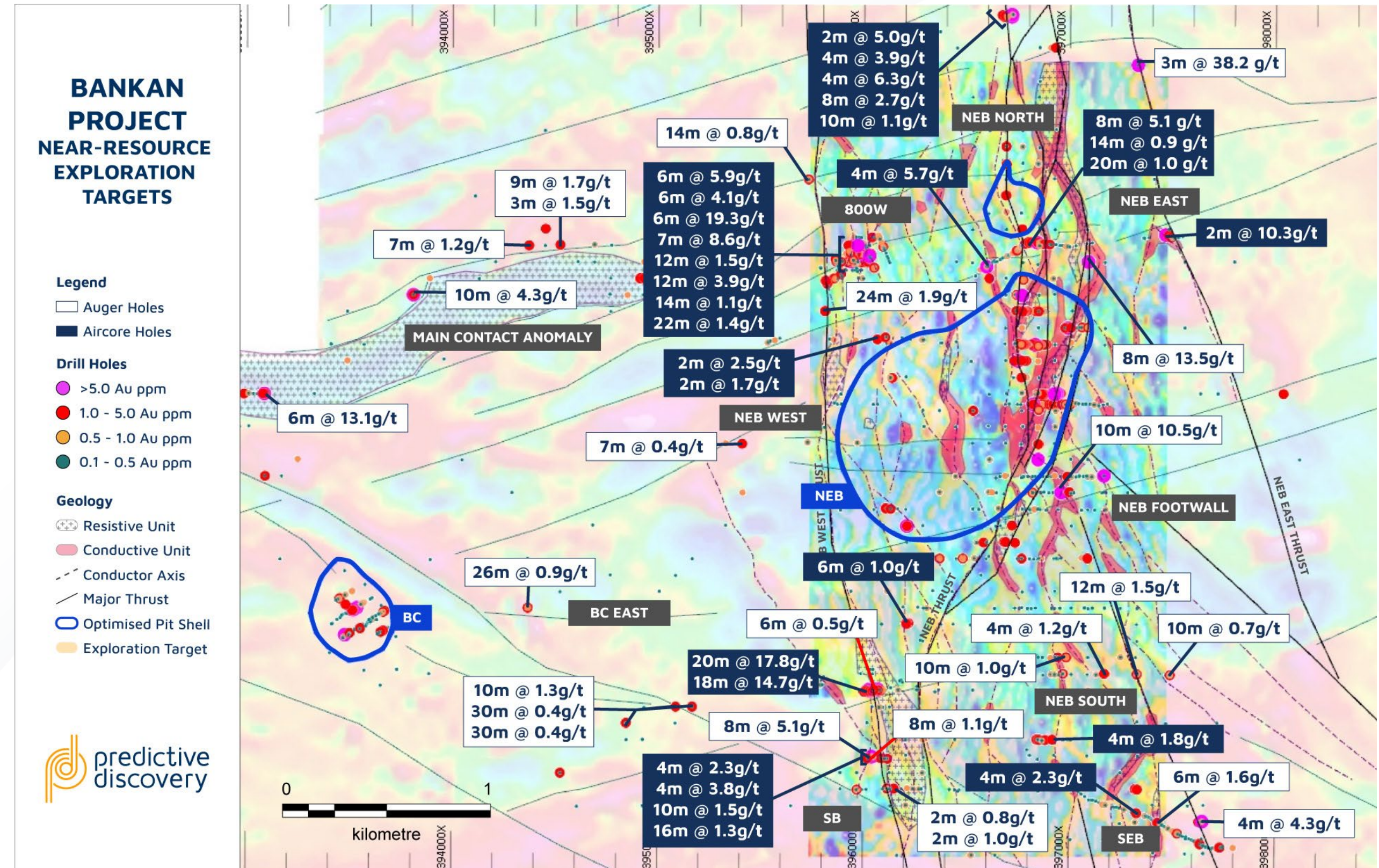
# Near-Resource & Regional Exploration



# Near-resource potential

Early work highlights multi-deposit potential within 5km of NEB

- Shallow drilling (auger & aircore) results confirm the extent of gold mineralisation in the NEB & BC region
- Target areas confirmed by recent geophysics program – excellent induced polarisation results
- Programs designed to deliver additional resource ounces in close proximity to both ore deposits
- Initial RC drilling being completed at 800W and NEB North

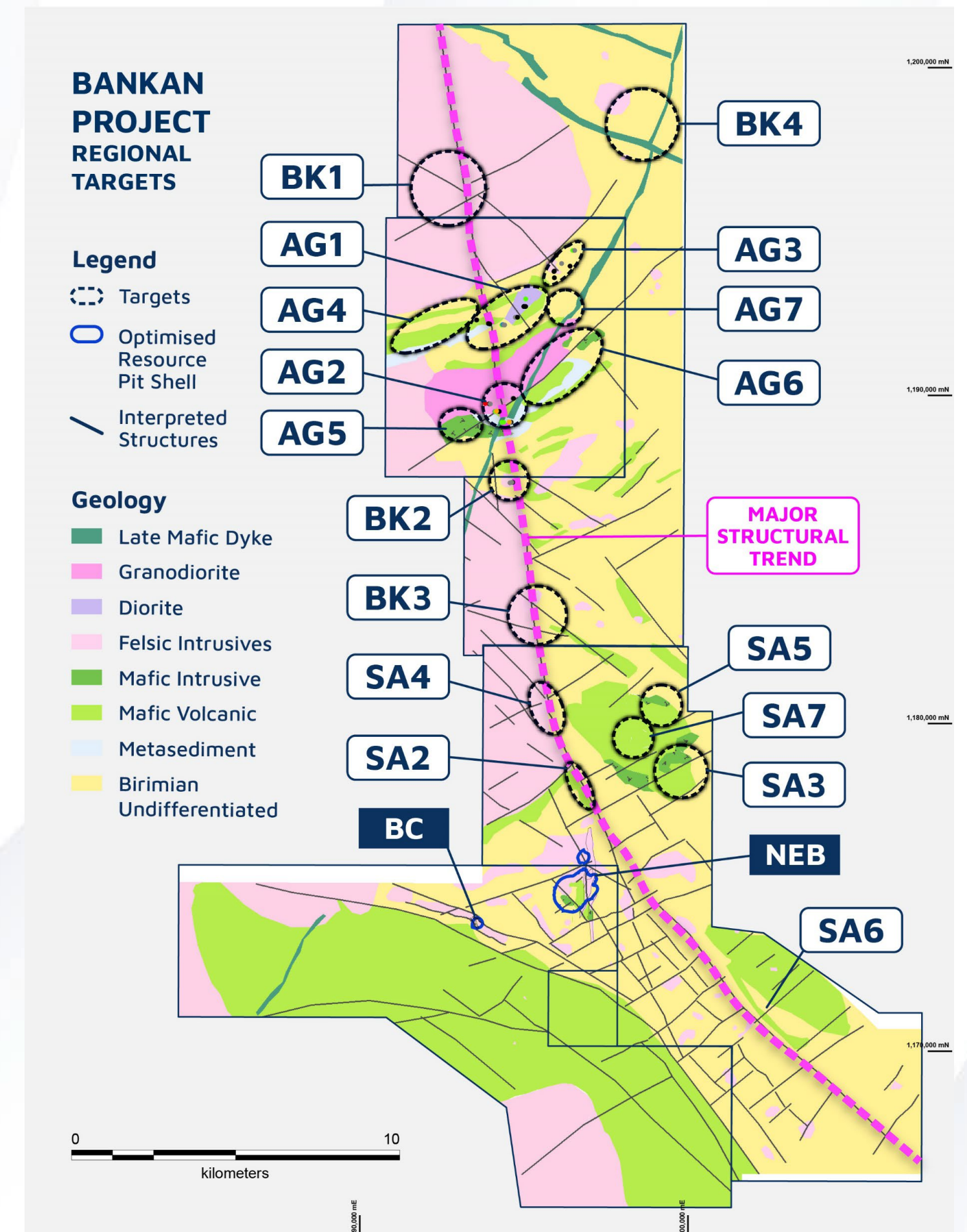




# Regional potential

35km-long gold super-structure with significant exploration upside

- Exploration team strengthened in late 2022 to drive regional programs
- Significant exploration upside exists
- Bankan sits atop a basin-margin gold bearing super-structure
- Three main areas of interest along that structure:
  - Bankan intrusive complex
  - Saman intrusive complex
  - Argo intrusive complex
- Many high-quality targets delineated and being explored during 2023
- Initial focus on Argo – geophysics (IP) underway and RC drilling to commence soon

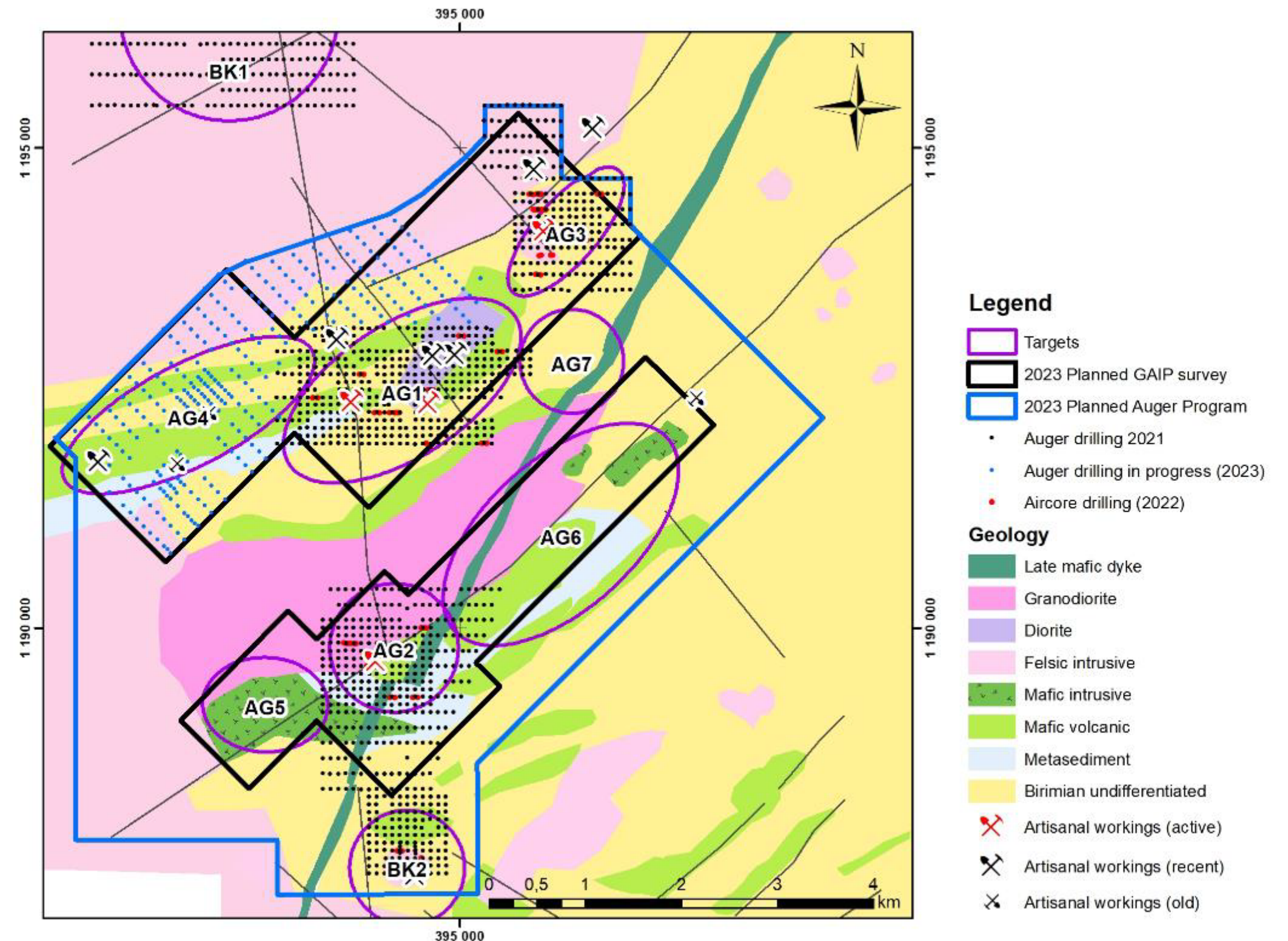




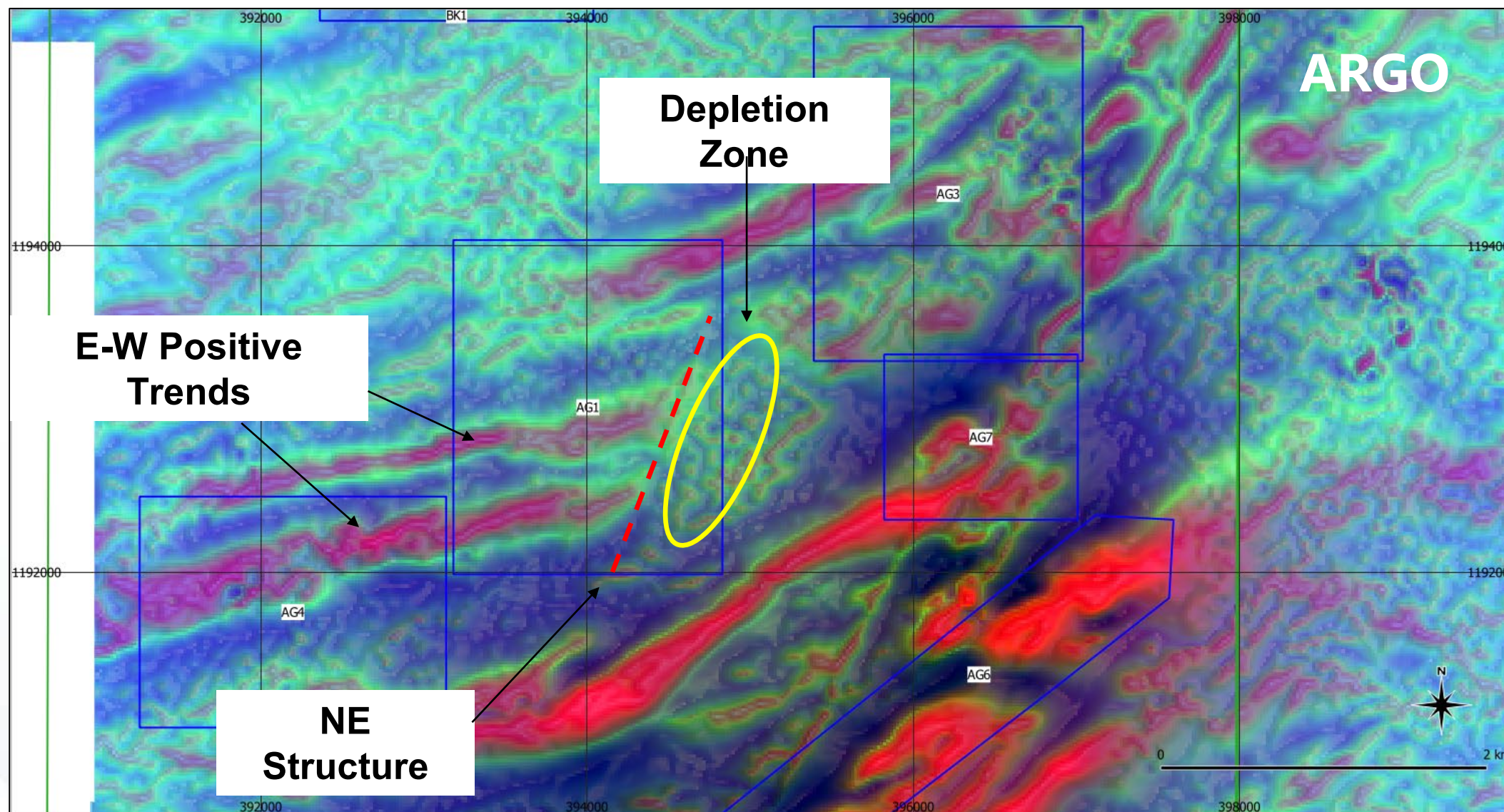
# Argo exploration program

2023 program to include induced polarisation ("IP") and gravity surveys, followed by AC/RC drilling

- 182 line km of gradient array IP ("GAIP") along the major trends and contacts, followed up with pole-dipole IP ("P-DIP") on best anomalies
- Regional scale gravity survey (including Argo permit)
- Reprocessing of previous geophysics survey data
- Auger ("AG") grids ongoing to cover most of the Argo intrusive complex. Gold and multi-element testing to identify lithologies and pathfinder elements associations
- Aircore ("AC") fences and RC drill holes to test the best targets once IP survey completed



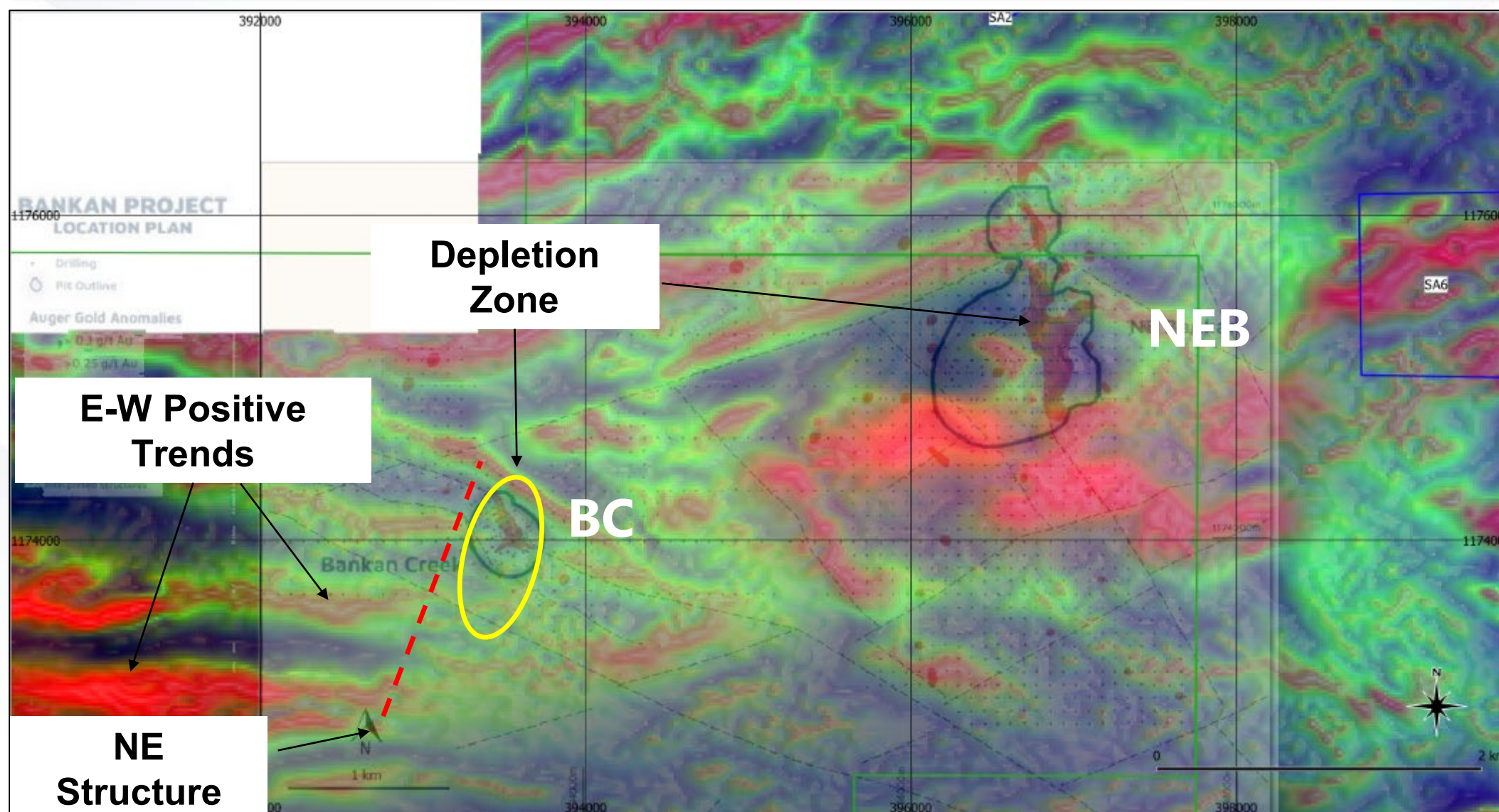




# Airborne magnetics reprocessing

Further evaluation of airborne magnetics data has upgraded the AG1 for BC style mineralisation

- 2021 airborne magnetic survey data reprocessed on regional and local scales at Argo and NEB/BC
- Figures show the CMY magnetic domain image overlying the RTP tilt derivative at both Argo and NEB/BC
- At BC and AG1, there are elongated E-W striking positive magnetic trends that are truncated by NE structures. The resultant magnetic signal to the east of these structures is diminished/mottled indicating magnetic depletion
- This is interpreted to be from oxidised fluids possibly related to gold mineralisation
- AG1, AG2 and AG3 targets also have coincident magnetic lows with auger geochemistry anomalies





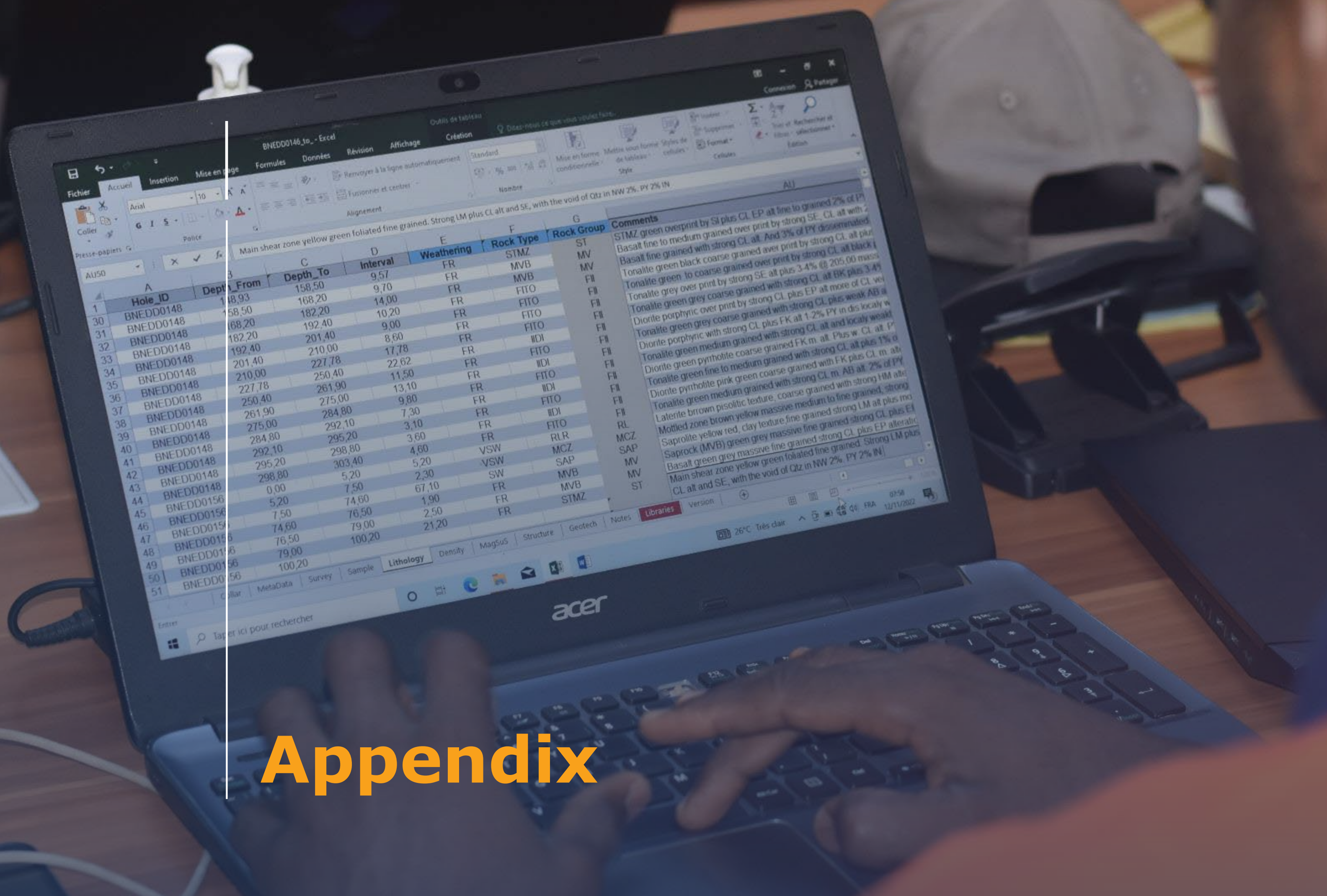
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## PDI summary

An exciting future as Bankan moves towards the development phase

- Exploration/development company with the Tier-1 Bankan Gold Project in Guinea
- 4.2Moz Resource at NEB and BC to-date, with significant upside. 50% of NEB Open Pit Resource converted to Indicated
- Scoping Study and ESIA to be completed in late 2023 to facilitate permitting in 1H 2024
- Highly prospective permits have the potential for additional large-scale discoveries; increasing focus on regional exploration. Geophysics underway on Argo targets, to be followed by RC drilling
- The right Management Team with a track record of building out resource bases, and developing and operating gold mines in Africa
- Well funded and supported to drive value for shareholders





Hole ID	Depth From	Depth To	Interval	Weathering	Rock Type	Rock Group	Comments
1	148,93	158,50	9,57	FR	STMZ	ST	STMZ green overprint by SI plus CL EP all fine to grained 2% of PY
30	158,50	168,20	9,70	FR	MVB	MV	Basalt fine to medium grained over print by strong SE, CL alt with 2
31	168,20	182,20	14,00	FR	FITO	MV	Basalt fine grained with strong CL alt. And 3% of PY disseminated
32	182,20	192,40	9,00	FR	FITO	FI	Basalt green black coarse grained over print by strong CL alt plus
33	192,40	201,40	8,60	FR	FITO	FI	Tonalite green to coarse grained over print by strong CL alt black
34	201,40	210,00	17,78	FR	FITO	FI	Tonalite grey over print by strong SE all plus 3-4% (B 205,00 mass
35	210,00	227,78	22,62	FR	IDI	FI	Tonalite green grey coarse grained with strong CL alt BK plus 3-4%
36	227,78	250,40	11,50	FR	FITO	FI	Tonalite green grey coarse grained with strong CL plus weak AB a
37	250,40	261,90	13,10	FR	IDI	FI	Diorite porphyric with strong CL plus FK alt 1-2% PY in ds locally w
38	261,90	275,00	9,80	FR	FITO	FI	Diorite green medium grained with strong CL alt and locally weakl
39	275,00	284,80	7,30	FR	IDI	FI	Tonalite green pyrrhotite coarse grained with strong CL alt plus 1% o
40	284,80	292,10	3,10	FR	FITO	FI	Diorite green fine to medium grained with FK plus CL m alt
41	292,10	298,80	4,60	VSW	MCZ	RL	Tonalite green medium grained with strong CL m AB alt 2% of PY
42	298,80	303,40	5,20	VSW	SAP	MV	Laterite brown pisolitic texture, coarse grained with strong HM alt
43	0,00	7,50	7,50	FR	MVB	MV	Mottled zone brown yellow massive fine grained strong LM alt plus mo
44	7,50	74,60	1,90	FR	MVB	MV	Saprolite yellow red, clay texture fine grained strong CL plus El
45	74,60	76,50	2,50	FR	MVB	MV	Saprock (MVB) green grey massive fine grained strong CL plus EP alterati
46	76,50	79,00	2,20	FR	MVB	MV	Basalt green grey massive fine grained strong CL plus EP alterati
47	79,00	100,20	21,20	FR	STMZ	ST	Main shear zone yellow green foliated fine grained Strong LM plus
48							CL alt and SE, with the void of Qtz in NW 2% PY 2% IN
49							
50							
51							

# Appendix



# Indicative activities & timeline

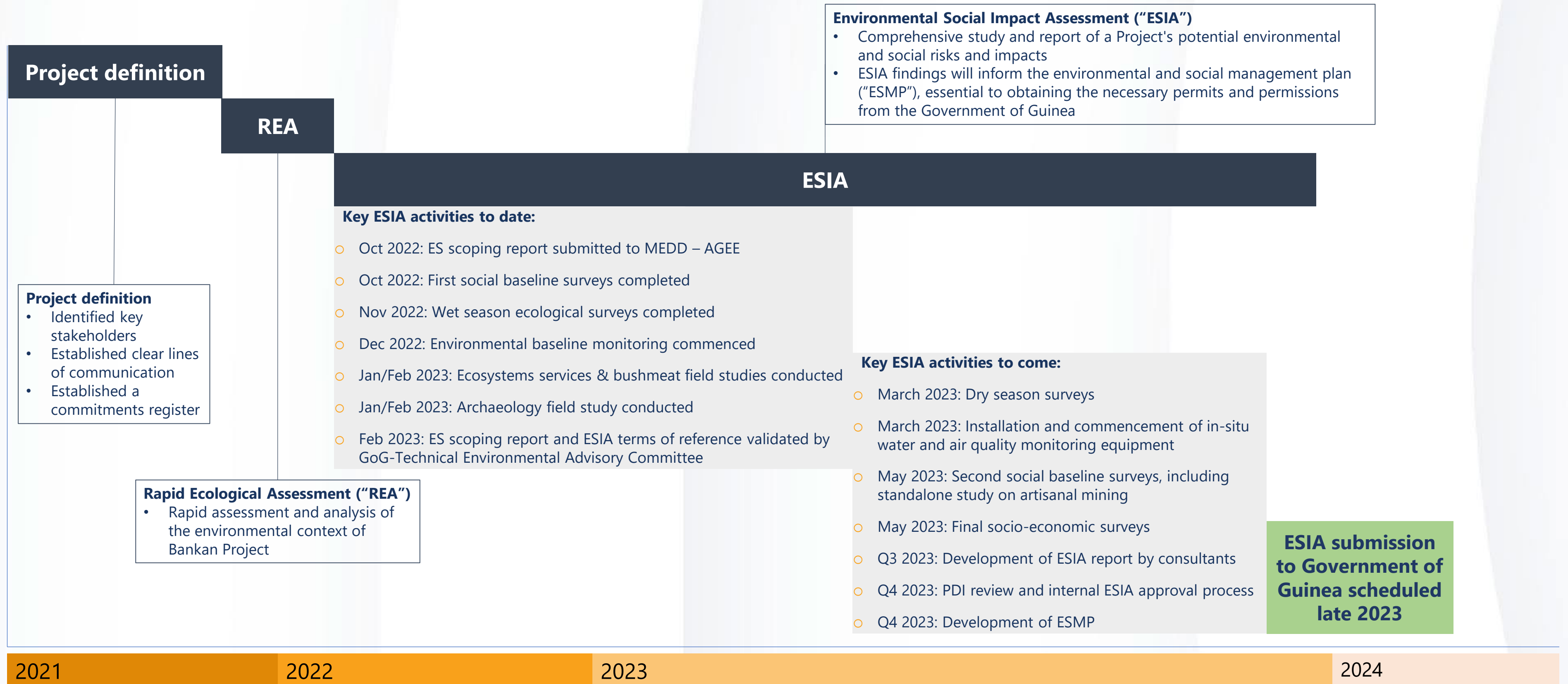
Driving towards ESIA & Scoping Study completion in late 2023 and permitting in 1H 2024

Activity	2022		2023		2024		2025		2026	
	H2	H1	H2	H1	H1	H2	H1	H2	H1	H2
NEB infill drilling	←									
NEB extension drilling										
BC extension/infill drilling										
Resource update		★	★		★		★			
Regional geophysics										
Regional drilling										
ESG studies	←									
ESIA										
Scoping Study										
Permitting										
DFS										



# The roadmap to permitting

Taking a diligent and disciplined pathway to development





# ESIA overview

Delivering a compliant, robust & fit-for-purpose assessment

## World-class delivery

- ESIA approach aligned with IFC Performance Standards and Equator Principles
- ERM appointed as lead ESIA consultant and with specialist consultants INSUCO (social), and BIOTOPE & Guinea Ecologie (biodiversity)



## Regular engagement and ongoing participation

- ESIA commenced July 2022 with:
  - The Ministry of Environment and Sustainable Development (“MEDD”)
  - Guinean Agency for Environmental Assessment (“AGEE”)
  - Guinean Office of National Parks and Wildlife Reserves (“OGPNRF”) engagement



ESIA kick-off MEDD information meeting (July 2022)



GoG Technical Environmental Advisory Committee validation of ES Scoping Report and ESIA terms of reference (February 2023)



# ESIA study area and scope

Delivering a compliant, robust & fit-for-purpose assessment

- ESIA study area across Saman and Kaninko permits includes:
  - Preliminary area of influence – 2km buffer around project components (pink shaded area)
  - Extended biophysical and social study area (orange outline)

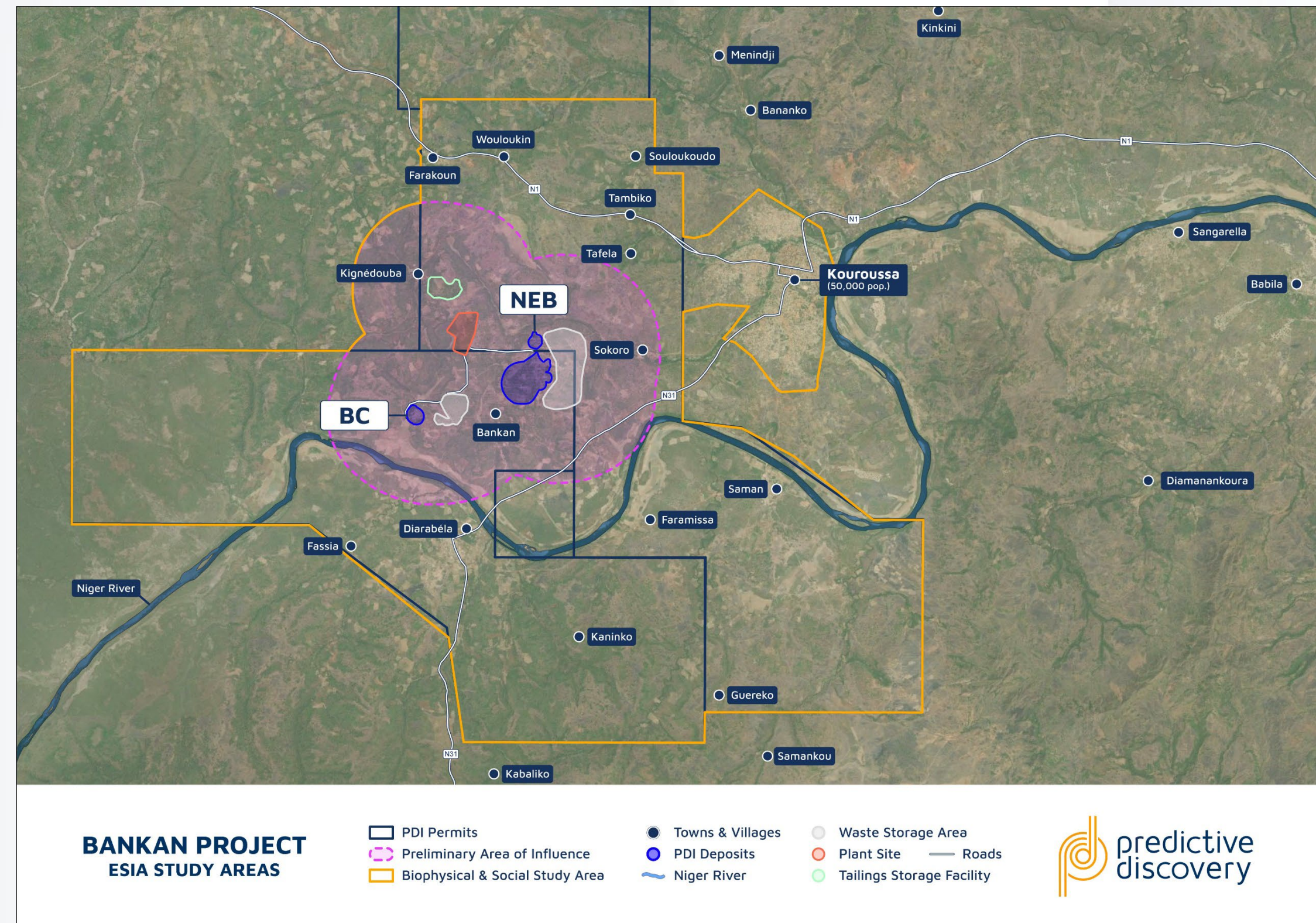
## ESIA Study Components:

### Biophysical

- Biodiversity
- Air quality
- Noise & vibration
- Water resources
- Soils & Geology
- Chemical/hazardous substances
- Traffic & Transportation
- Climate change adaptation
- Mine Closure & Reclamation
- Landscape & visual
- Waste
- Archaeology

### Social

- Socio-economic context
- Stakeholder management
- Resettlement & compensation
- Livelihood restoration
- Human rights
- Labour & employment
- Cultural heritage
- Artisanal gold mining
- Land use & management
- Community health & safety
- Water & sanitation
- Local economic development





# Community relations

Extensive and ongoing stakeholder engagement



*MEDD, CPDM, OGP/NRF cadastre visit*



*Compensation Price Matrix Info session – Prefectoral technical services/administration, Bankan Community Commission*



*Bankan Community Commission meeting*

- Extensive stakeholder profile comprises national, regional and local authorities, and communities within and beyond our areas of social influence
- Issue-based and proactive engagement with regional and local authorities to share project information, fulfil regulatory requirements and obtain authorisation
- A key component to community engagement is weekly meetings with Bankan Community Commission representing nine villages



# Community relations

Supporting the local community with a range of projects

**Bankan Market Garden**



**Bankan School Enclosure**



**Bankan School Canteen**



**PNHN Fire Management Campaign**





# Bankan Project Mineral Resource

## Updated Bankan Mineral Resource estimate

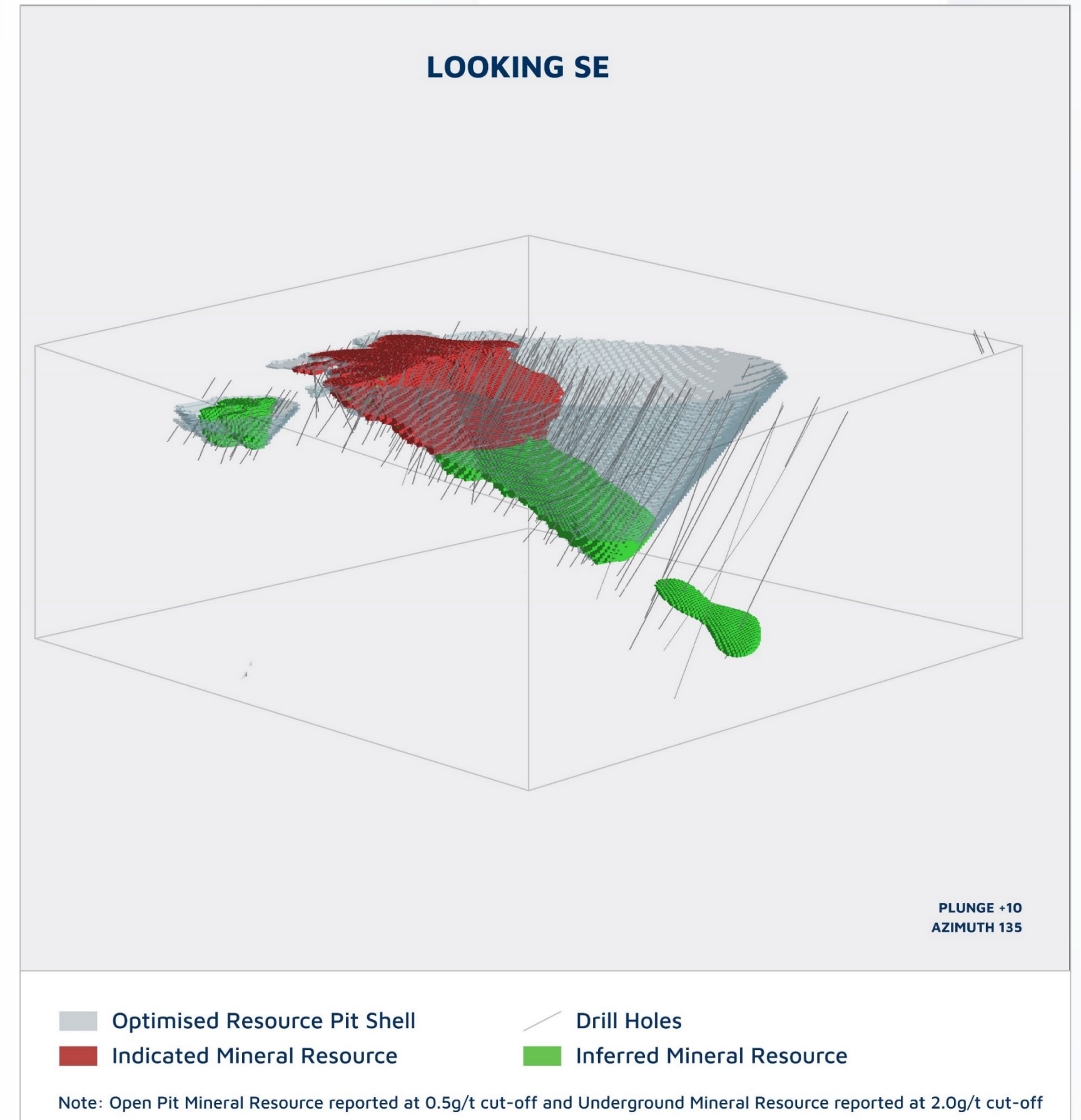
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<b>NEB Total</b>			<b>69.6</b>	<b>1.72</b>	<b>3,850</b>
BC Open Pit	Inferred	0.5	7.2	1.42	331
<b>Total Bankan Project</b>			<b>76.8</b>	<b>1.69</b>	<b>4,181</b>

### Notes to Resource Table:

1. The NEB Mineral Resource is estimated with all drilling data available as at 16 January 2023. The BC Mineral Resource has not been updated since it was previously reported on 2 August 2022 and 30 September 2021.
2. The Mineral Resource is reported in accordance with the JORC Code 2012 Edition at a 0.5g/t Au cut-off for the Open Pit resources and a 2.0g/t cut-off for the Underground resource.
3. The Competent Person is Phil Jankowski FAusIMM of CSA Global.
4. The Open Pit resources are constrained by optimised pit shells using a metal price of USD1,800/oz Au and process recovery of 94%.
5. Rounding may lead to minor apparent discrepancies.

## Drilling included in Mineral Resource estimate

Type	Holes	Metres
RC	197	23,122m
DD or RC/DD	164	61,576m
<b>Total</b>	<b>361</b>	<b>84,698m</b>

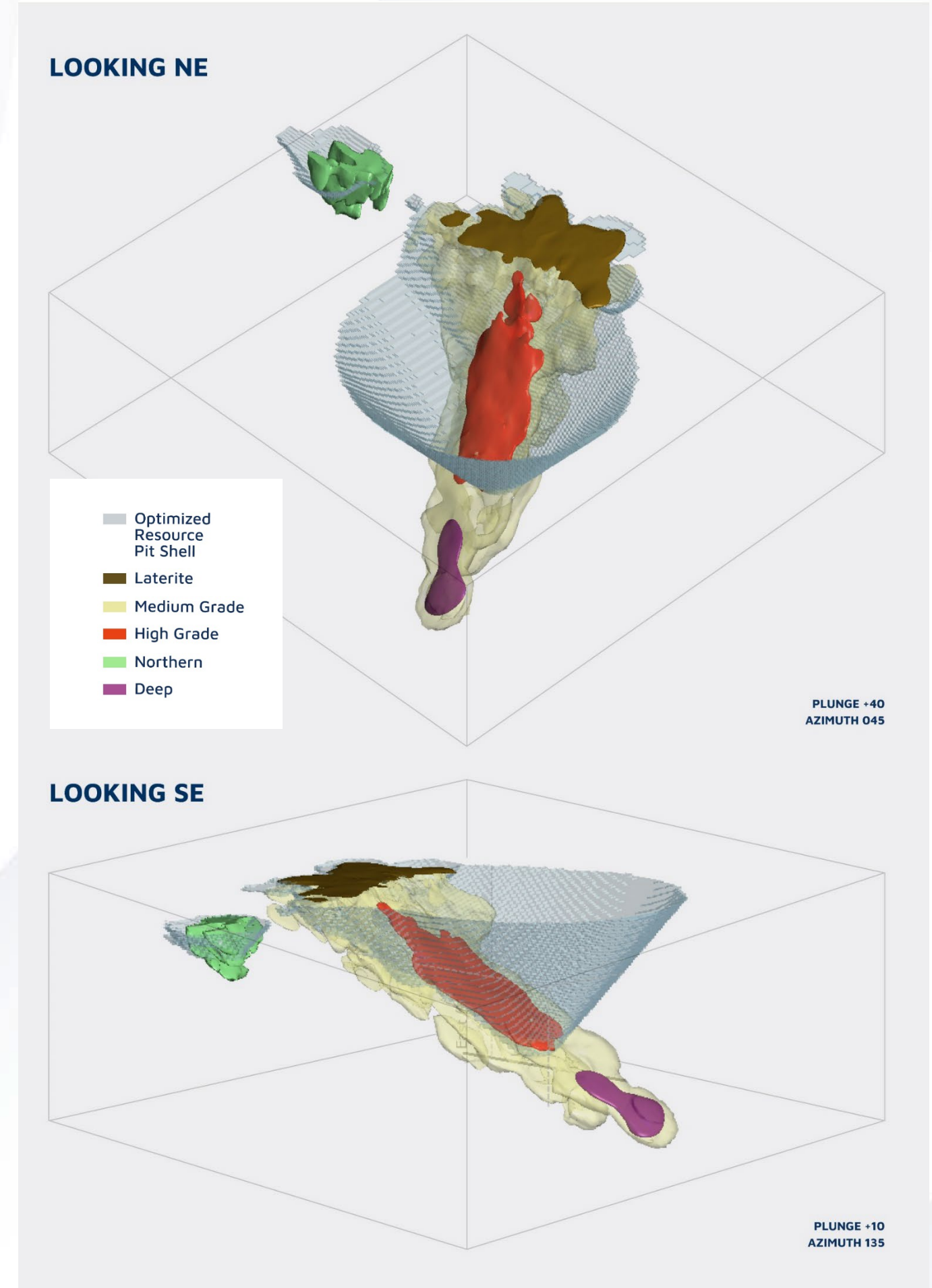




# Bankan Project Mineral Resource

## NEB Mineral Resource Estimate by Domain

Domain	Cut-off (g/t Au)	Indicated			Inferred		
		Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
Laterite	0.5	1.9	1.00	62	-	-	-
Low Grade	0.5	-	-	-	0.7	0.58	13
Medium Grade	0.5	37.9	1.02	1,244	13.2	0.83	353
High Grade	0.5	2.9	4.85	448	8.4	5.01	1,348
Northern	0.5	-	-	-	2.4	0.70	54
Deep	2.0	-	-	-	2.2	4.75	335





# Bankan Project Mineral Resource

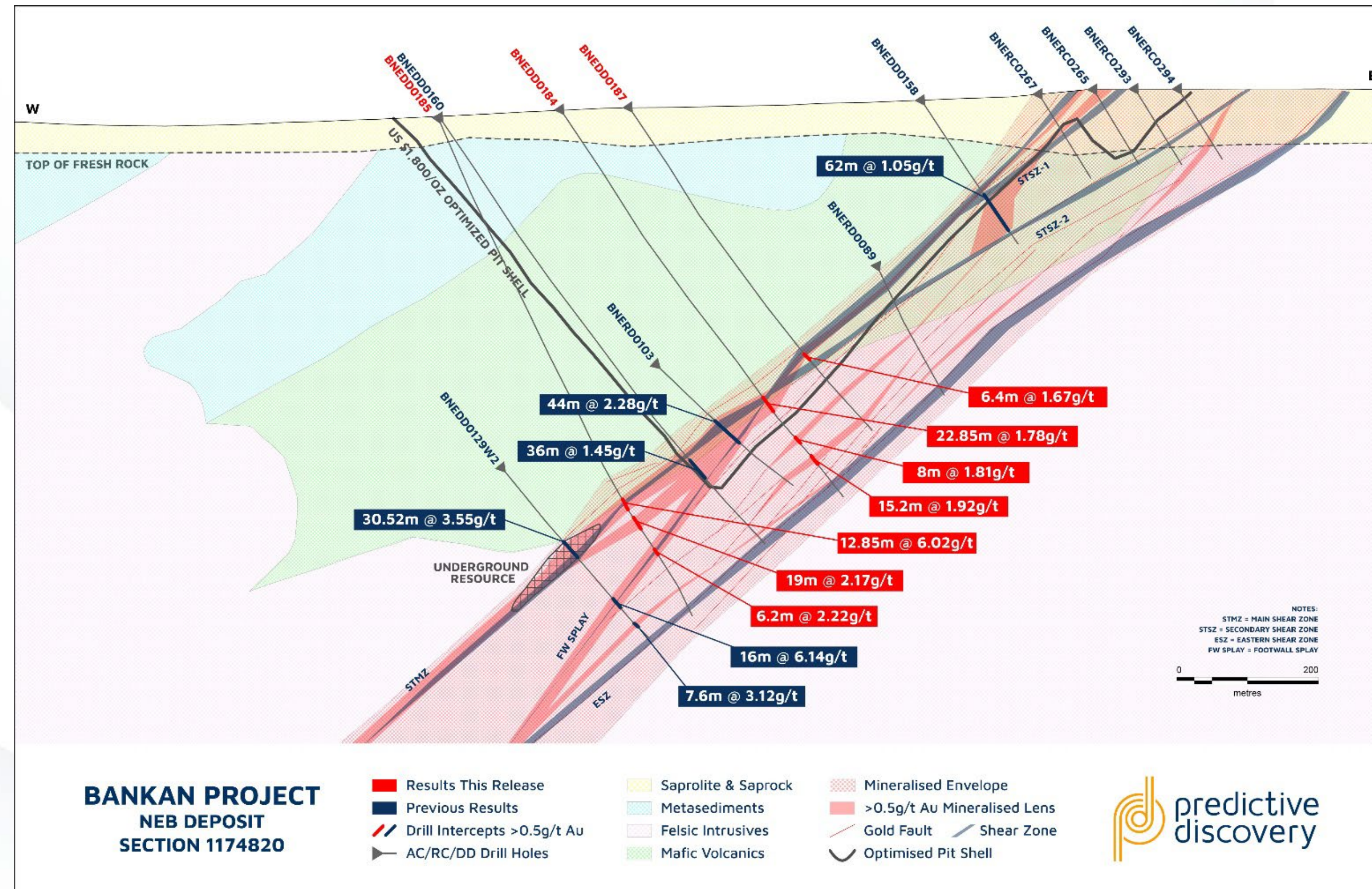
## NEB Open Pit Grade Tonnage Table

Cut-off (g/t Au)	Indicated			Inferred			Total		
	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
<b>0</b>	42.8	1.27	1,750	41.7	1.43	1,921	84.5	1.35	3,671
<b>0.1</b>	42.8	1.27	1,750	41.4	1.44	1,920	84.2	1.35	3,670
<b>0.2</b>	42.8	1.27	1,750	37.9	1.56	1,902	80.7	1.41	3,652
<b>0.3</b>	42.8	1.27	1,750	31.6	1.83	1,854	74.4	1.51	3,604
<b>0.4</b>	42.8	1.27	1,749	27.7	2.04	1,812	70.5	1.57	3,561
<b>0.5</b>	42.7	1.27	1,747	24.7	2.23	1,768	67.4	1.62	3,515
<b>0.6</b>	40.5	1.31	1,706	22.6	2.39	1,730	63.0	1.70	3,437
<b>0.7</b>	35.5	1.40	1,603	20.0	2.62	1,675	55.4	1.84	3,278
<b>0.8</b>	30.0	1.53	1,471	16.0	3.08	1,580	46.0	2.07	3,052
<b>0.9</b>	24.6	1.68	1,326	12.7	3.66	1,491	37.2	2.35	2,817
<b>1.0</b>	19.6	1.86	1,174	10.6	4.20	1,428	30.2	2.68	2,602



# NEB Cross Section 1174820N

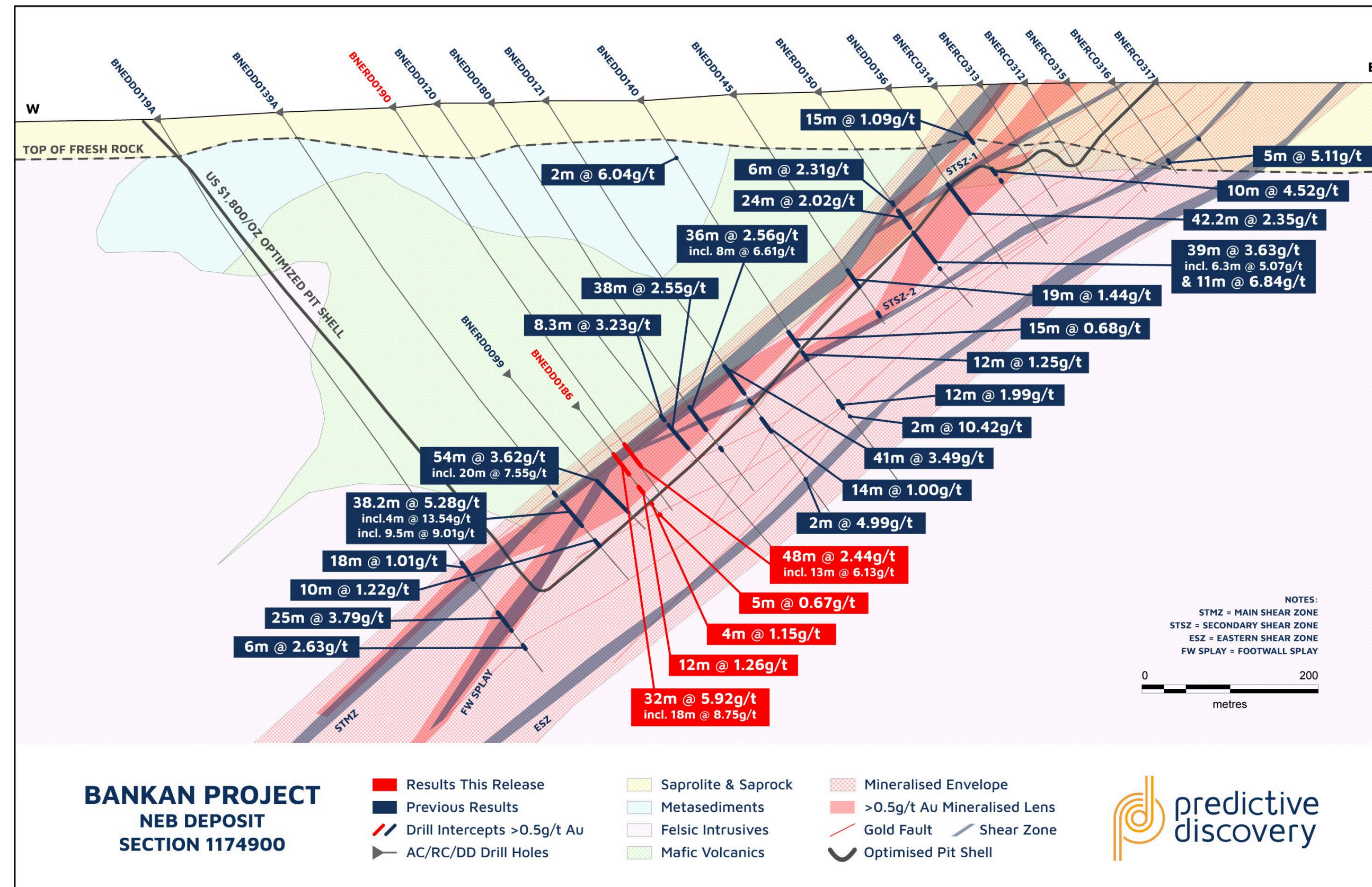
12.85m @ 6.02g/t intersected outside the current Underground Mineral Resource





# NEB Cross Section 1174900N

Excellent grades from new holes in the bottom half of the pit, where the Mineral Resource is Inferred (32m @ 5.92g/t)

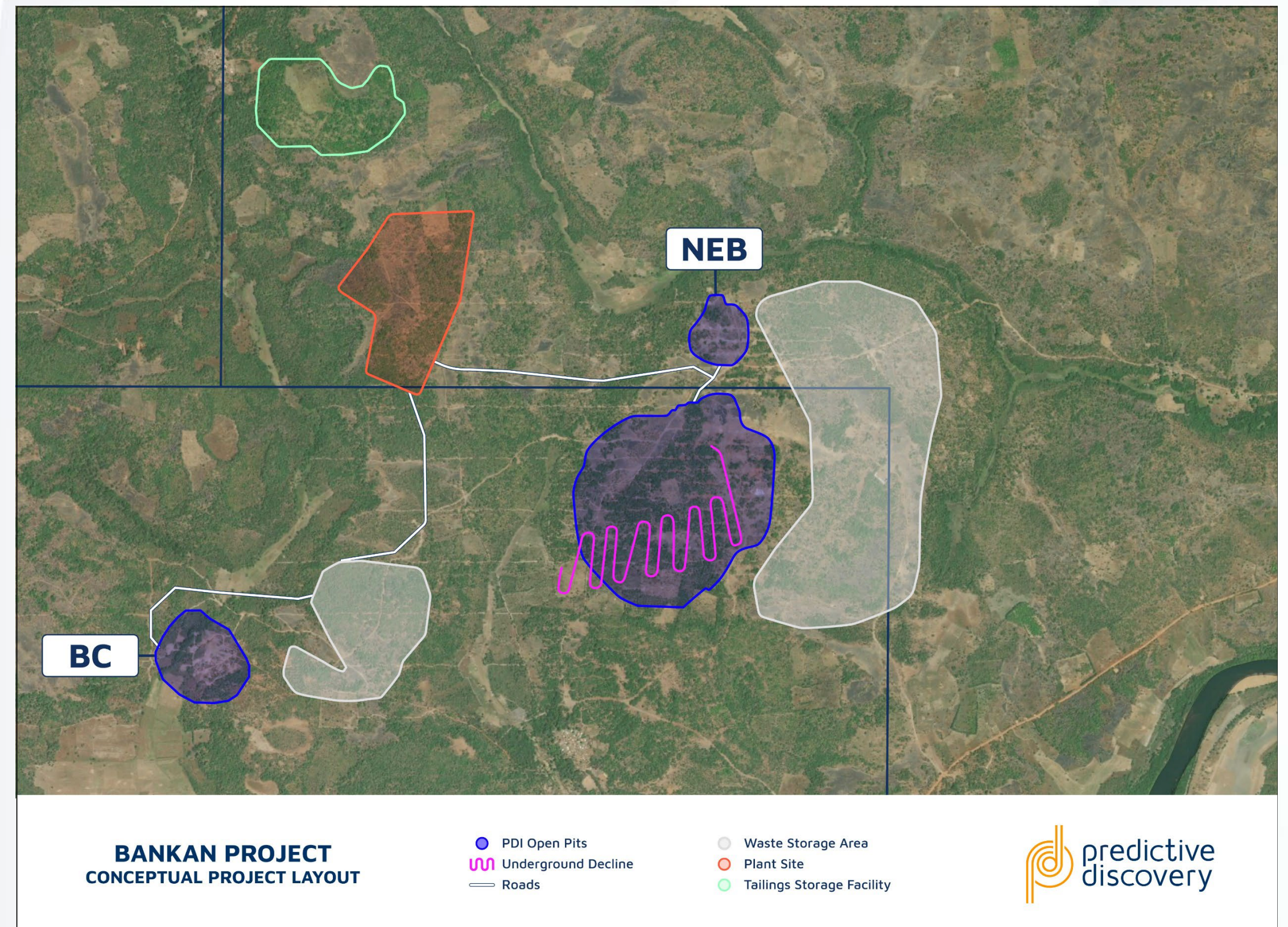
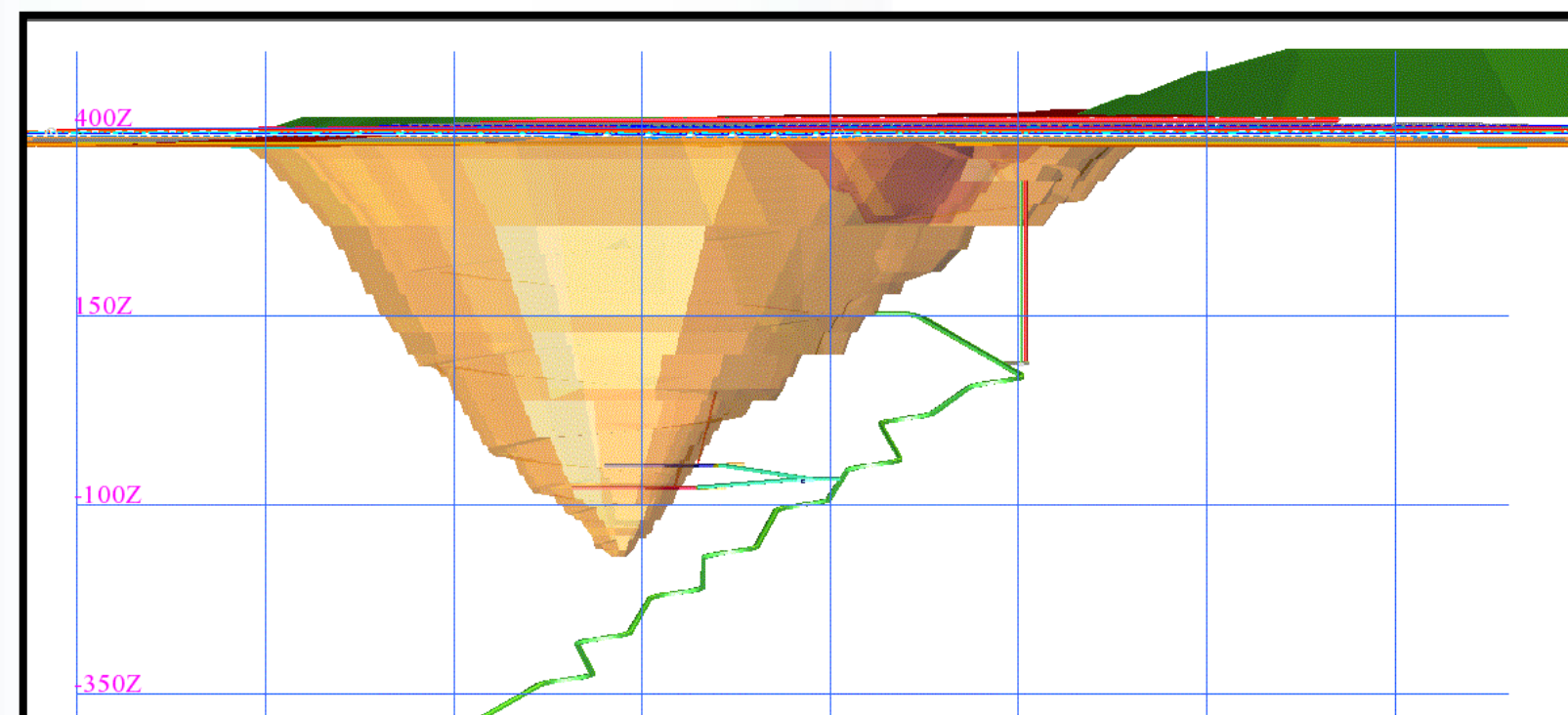




# Conceptual project layout

Initial layout prepared to allow progression of ESG studies, and will be refined as the Scoping Study concludes

- Pit design based on resource pit shells – subject to optimisation from further drilling and the Scoping Study
- Conceptual decline design for underground ore access
- Plant site, waste dumps and tailings storage on flat degraded land – subject to sterilisation drilling and final ESG study outcomes
- Tailings will be dry-stacked to minimise environmental impact
- Power station diesel / heavy fuel oil; partial solar to be considered
- Process water from mine dewatering plus bores as required





# Material ASX Releases

RC DRILLING UNDERWAY AT NEAR-RESOURCE TARGETS, 6/4/2023  
 INFILL DRILLING RESULTS, 4/4/2023  
 HIGH-GRADE INTERCEPT EXTENDS UNDERGROUND MINERALISATION, 21/2/2023  
 45% OF NEB'S 3.85MOZ MINERAL RESOURCE UPGRADED TO INDICATED, 6/2/2023  
 OUTSTANDING INFILL DRILLING RESULTS CONTINUE, 30/1/2023  
 PROMISING NEAR-RESOURCE DRILLING AND GEOPHYSICS RESULTS, 30/11/2022  
 POSITIVE INFILL DRILL RESULTS & GRADE CONTROL PROGRAM COMPLETE, 10/11/2022  
 HIGH GRADE GOLD 200M BELOW NE BANKANS 3.9MOZ RESOURCE, 29/09/2022  
 IMPRESSIVE GOLD HITS CONTINUE AT 4.2MOZ BANKAN GOLD RESOURCE , 25/08/2022  
 4.2MOZ BANKAN GOLD RESOURCE, 01/08/2022  
 DEEPEST HOLE TO DATE INTERCEPTS GOLD 630M DOWN DIP, 15/06/2022  
 APPOINTMENT OF NON-EXECUTIVE DIRECTOR, 7/06/2022  
 PDI RECEIVES FIRM COMMITMENTS FOR \$55M PLACEMENT, 30/05/2022  
 60,000M DRILL PROGRAM UNDERWAY AT BANKAN & KEY APPOINTMENTS, 19/05/2022  
 41.5M @ 5.2G/T AU INTERSECTED AT NE BANKAN, 27/04/2022  
 MULTI-DEPOSIT POTENTIAL GROWS WITH STRONG RESULTS, 02/02/2022  
 33M @ 4.5 G/T AU AT NE BANKAN, GUINEA, 13/01/2021  
 BANKAN PROJECT GROWS WITH NEW GOLD DISCOVERIES, 16/12/2021  
 PREDICTIVE INTERSECTS 34M @ 5.5 G/T AU AT NE BANKAN, 09/12/2021  
 FURTHER DEPTH EXTENSION TO BANKAN HIGH-GRADE GOLD, 22/11/2021  
 HIGH-GRADE GOLD ZONE EXTENDED BELOW RESOURCE PIT SHELL, 03/11/2021  
 AC DRILLING IDENTIFIES NEW GOLD PROSPECTS AT BANKAN, 28/10/2021  
 NE BANKAN HIGH-GRADE GOLD ZONE REINFORCED AND EXTENDED, 19/10/2021  
 BANKAN UPDATE, 12/10/2021  
 3.65 MILLION-OUNCE BANKAN MAIDEN MINERAL RESOURCE ESTIMATE, 30/09/2021  
 28M @ 12.1G/T GOLD 1.5 KM FROM NE BANKAN, 23/09/2021  
 HIGH-GRADE GOLD ZONE CONFIRMED UP TO 400M VERTICAL DEPTH, 16/09/2021  
 EXCELLENT GOLD RECOVERIES FROM BANKAN METALLURGICAL TESTWORK, 14/09/2021  
 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





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