

# 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 7 August 2023. The Company it 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\$403m\*
- 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**

- 5.38Moz resource at NEB (4.89Moz) and BC (487Koz)
- 77% or 4.14Moz of the resource classified as Indicated
- NEB includes a high-grade underground resource of 896Koz at 4.07g/t (Inferred)
- Upside potential at both deposits
- 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 8 September 2023

# The right team

### Highly experienced Board and senior management team

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

- 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 Chair of Sarama Resources (TSX-V:SWA, ASX:SRR), Non-Executive Chair of Leeuwin Metals (ASX:LM1) and Non-Executive Director of 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) where he built the 13Mt and +450Koz pa Sukari Gold Mine in Egypt
- 10 years in senior management roles at the Siguiri and Lefa gold mines in Guinea

#### **Sandra Bates**

#### **Non-Executive Director**

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

#### **Steven Michael**

#### **Non-Executive Director**

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

### Management

## Marlyatou Balde Country Manager



 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 with 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

## **Corporate overview**

2,067M

Shares on issue

A\$45M

Cash (at 30 June 2023)

A\$403M

Market cap (at 8 September 2023)

# **Technical and ESG partners**



**CSA Global** Mining Industry Consultants











## Research





**Ben Crooks** 

Mike Millikan



UK

**Brock Salier** 



**Paul Howard** 

**Richard Knights** 



Raj Ray



**Andrew Breichmanas** 

# Major shareholders

**BlackRock** 



(12.6%)

(9.8%)

Other institutional shareholders

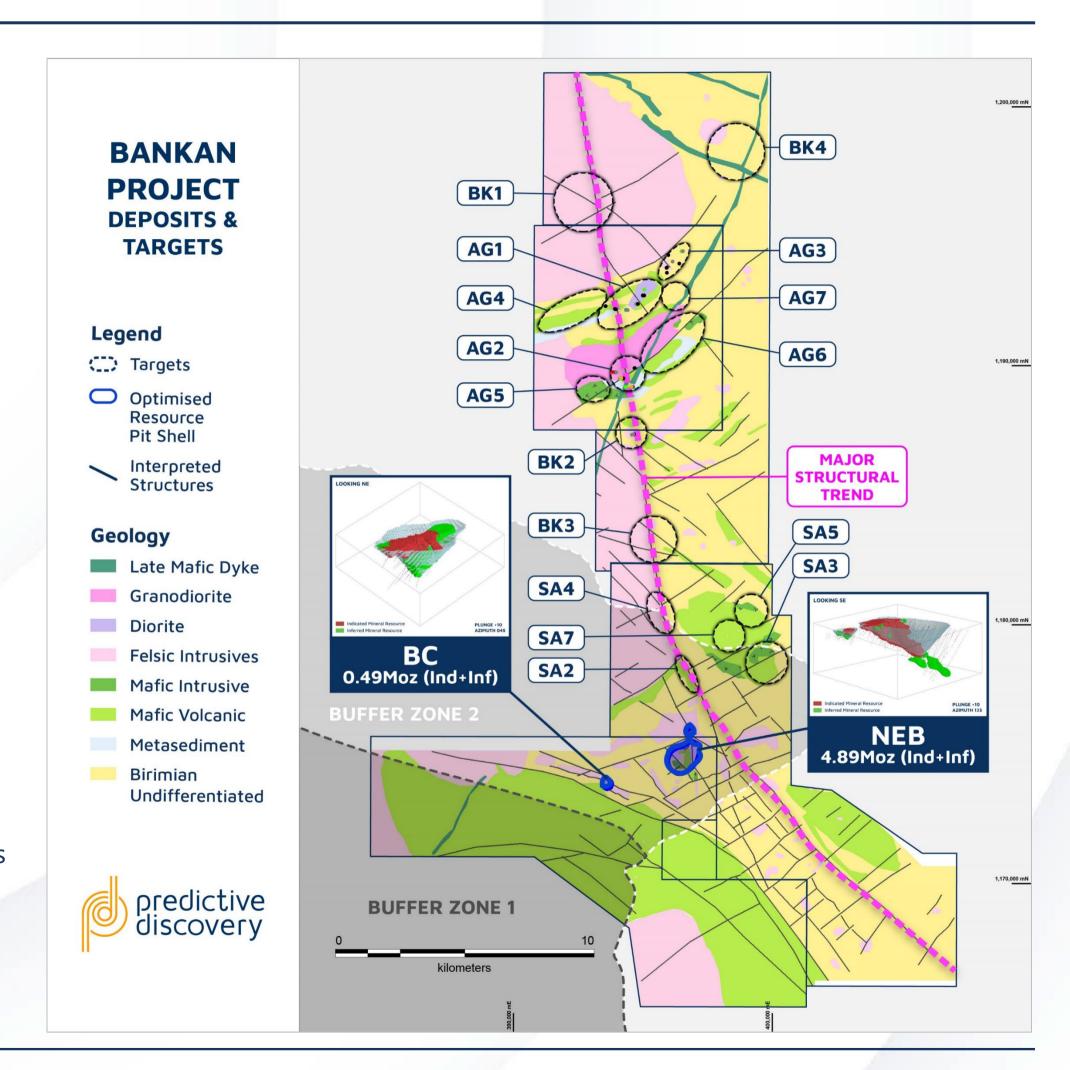
(~30%)



## **Introduction to Bankan**

West Africa's next Tier-1 gold deposit

- O Four contiguous exploration permits covering a 35km-long major structural trend (Birimian/Archean contact) that is richly gold endowed
- O Mineral Resource of 5.38Moz @ 1.66g/t across two separate deposits<sup>1</sup>
  - NEB: 4.89Moz @ 1.72g/t (Ind & Inf)
  - BC: 0.49Moz @ 1.24g/t (Ind & Inf)
- Extensive drilling programs (83,000m of DD/RC in FY23) have successfully grown and upgraded the Mineral Resource
- Straightforward open pit project with significant potential for high-grade underground mining at NEB
- Simple metallurgy amenable to industry-standard CIL processing and high gold recoveries
- Scoping Study due to be completed late 2023 crucial for permitting process
- Increasing focus on Bankan's significant near-resource and regional exploration potential – RC drilling ongoing



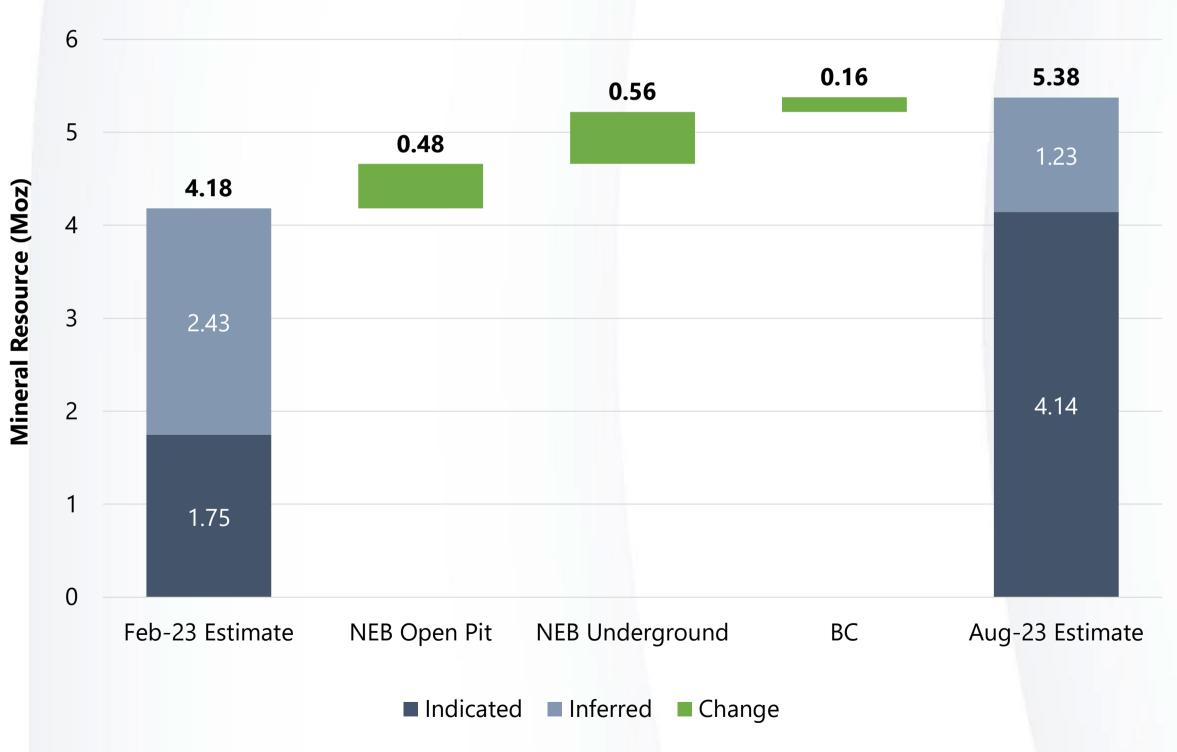
# **Bankan Mineral Resource update**

Significant increase and upgrade of the NEB and BC Mineral Resources

- 5.38Moz across NEB (4.89Moz) and BC (487Koz)
- 1.20Moz or 29% increase from the Feb-23 estimate
- Increases achieved across all areas NEB Open Pit,
   NEB Underground and BC
- O Major upgrade in classification, with 4.14Moz or 77% in Indicated
- O Improved resource classification provides a strong platform for the Scoping Study to be completed in late 2023

Deposit	Cut-off (g/t Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
NEB O/P (Ind+Inf)	0.5	81.4	1.53	3,993
NEB U/G (Ind+Inf)	2.0	6.8	4.07	896
BC O/P (Ind+Inf)	0.4	12.2	1.24	487
<b>Total Bankan Project</b>		100.5	1.66	5,376

### **Change in Mineral Resource Estimate from Feb-23 to Aug-23**



## **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

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

Regular engagement at all levels





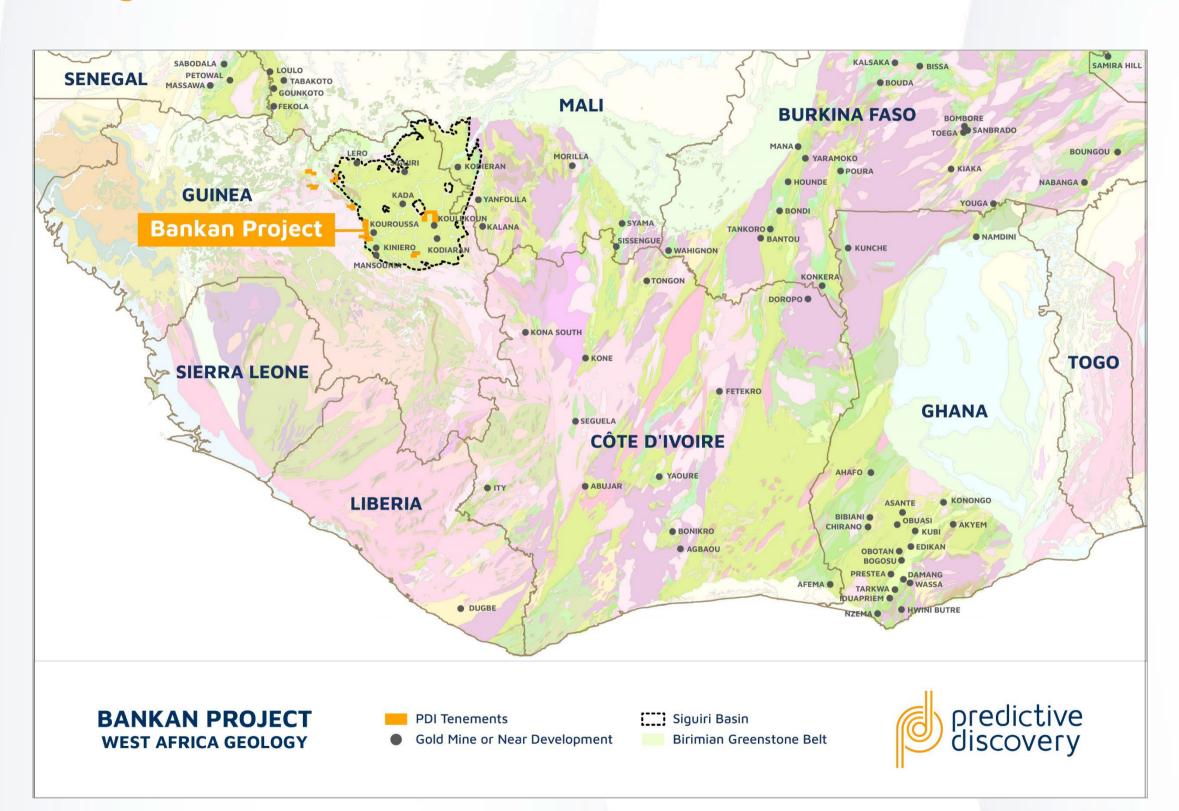




# **Guinea's Siguiri Basin**

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

- O Siguiri Basin is the least explored region within the West African Birimian Greenstone belt
- O Hosts mines and deposits including:
  - AngloGold Ashanti's Siguiri Gold Mine
     (9.2Moz gold resource; 279Koz 2022 production; operating for 25 years)
  - Nordgold's Lefa Gold Mine
     (4.5Moz gold resource; 163Koz 2021 production; operating for 15 years)
  - Hummingbird's Kouroussa Gold Mine
     (1.2Moz gold resource; first gold pour achieved in June 2023; targeting 100Koz pa over 7 years)
  - Robex's Kiniero Gold Project
     (2.5Moz gold resource; DFS completed; targeting 90Koz pa over 9.5 years)
- Siguiri Basin's margins now globally recognised to be a richly mineralised fluid conduit, perfect for large greenfields gold discovery



# **Sustainability focus**

### Committed to the sustainable development of Bankan

### **Strategy & goals**

- O Develop Bankan in an environmentally and socially sustainable manner, with strong support from key stakeholders
- O Protect the environment and improve outcomes in the region, especially in the Core Conservation Area
- O Positively impact our local communities and host country (Guinea)

#### **Bankan's context**

- NEB and BC deposits located in Buffer Zone 2 of the Upper Niger National Park ("Park"), 18-21km from the Core Conservation Area
- The Park comprises the following 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
- Whist no mining is currently permitted in Buffer Zone 2, there are precedents in Guinea for the grant of mining permits in Protected Areas
- O PDI has strong Government and community support for the project







#### **Activities**

- ESG Committee established to provide Board level oversight
- O Completing extensive Environmental & Social Impact Assessment ("ESIA") by late 2023
- Engaging with the Government and other key stakeholders to refine the permitting process / requirements for the project
- Engaging with local communities and supporting community initiatives
- Collaborating to support the Park (funding the annual fire management campaign; participation of Park officials in PDI's environmental surveys)

# Landscapes within the Upper Niger National Park

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

Much of natural habitat in the project area has been significantly disturbed by anthropogenic activities including subsistence agriculture, slash-and-burn, exploration clearance and artisanal gold mining.

The 50,000-person town of Kouroussa also extends into Buffer Zone 2.



Good quality wooded savannah in the Park



Kouroussa extends into Buffer Zone 2



Degraded landscape in Buffer Zone 2 near the NEB deposit

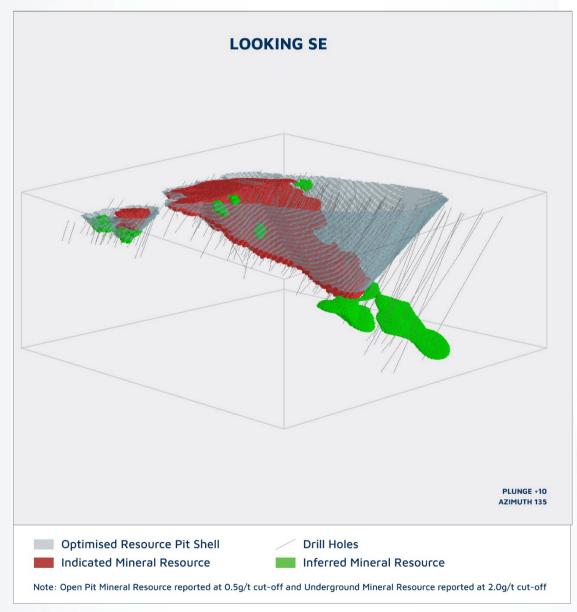
## **NEB** deposit

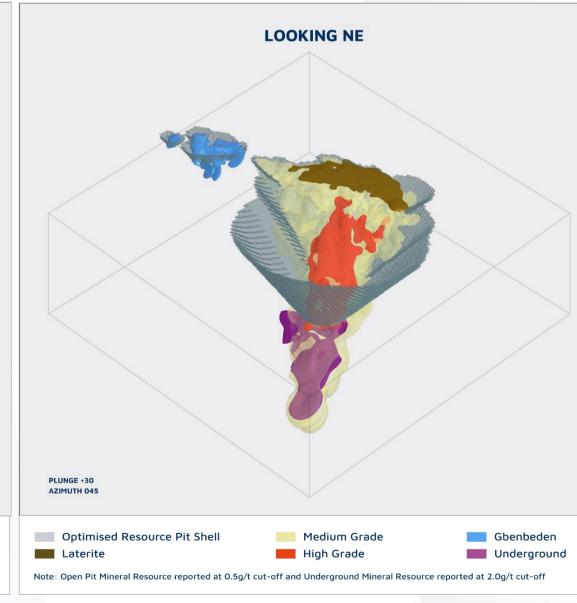
### Large-scale orebody with excellent consistency

- O Large open pit resource (3.99Moz @ 1.53g/t) and high-grade underground resource (896Koz @ 4.07g/t)
- O Total increase of more than 1Moz compared to Feb-23 estimate
- 3.90Moz (98%) of the open pit resource in Indicated high confidence in the geology and mineralisation
- O High-grade core of 1.90Moz @ 5.21g/t
- O High-grade underground resource increased by 560Koz or 170% to 896Koz expansion of main zone and definition of new "intersection" and "footwall" zones
- Upside to continue growing NEB
  - Underground resource at depth, to the south and in footwall
  - Additional high-grade shoots in the main NEB pit shell which are largely untested by drilling
  - Gbenbeden open at depth and to the north
  - Numerous near-resource targets

Deposit	Classification	Cut-off (g/t Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
NEB Open Pit	Indicated	0.5	78.4	1.55	3,900
	Inferred	0.5	3.1	0.91	92
	Total		81.4	1.53	3,993
NEB Underground	Inferred	2.0	6.8	4.07	896
NEB Total			88.3	1.72	4,888

Refer to notes in Appendix





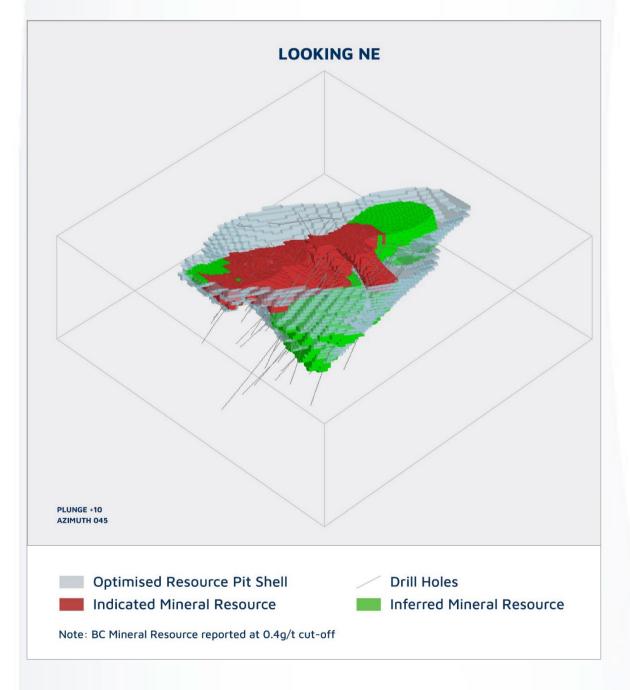
# **BC** deposit

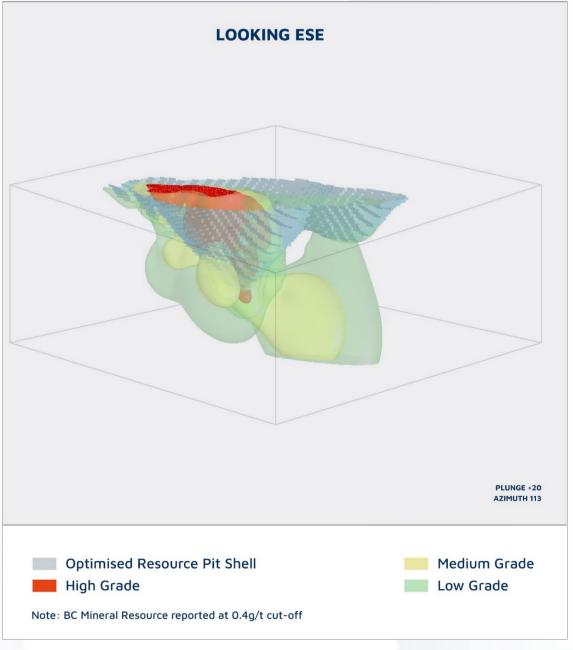
### 487Koz only 3km west of NEB

- Open pit resource of 487Koz @ 1.24g/t within an orogenic gold deposit
- O Increase of 156Koz or 47% compared to Feb-23 estimate
- 244Koz (50%) classified as Indicated upper 70m of the deposit
- Open down-plunge to the south-west and along strike to the south

Deposit	Classification	Cut-off (g/t Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
BC Open Pit	Indicated	0.4	5.3	1.42	244
	Inferred	0.4	6.9	1.09	243
BC Total			12.2	1.24	487

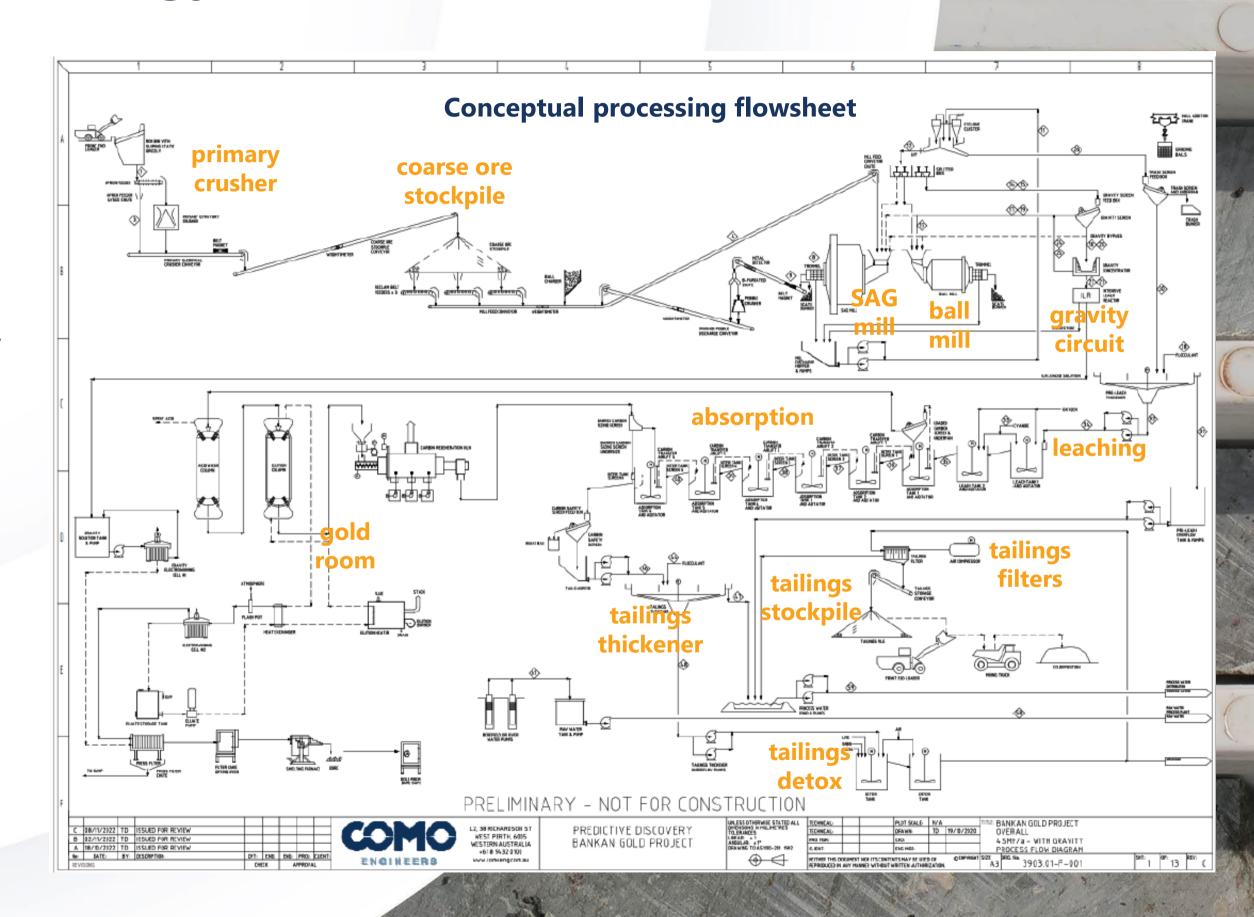
Refer to notes in Appendix





# Straightforward and simple metallurgy

- O 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
- O Gravity recovery of up to 54%
- O Ball Mill Bond Work Index of 18 to 25kWh/t for fresh ore

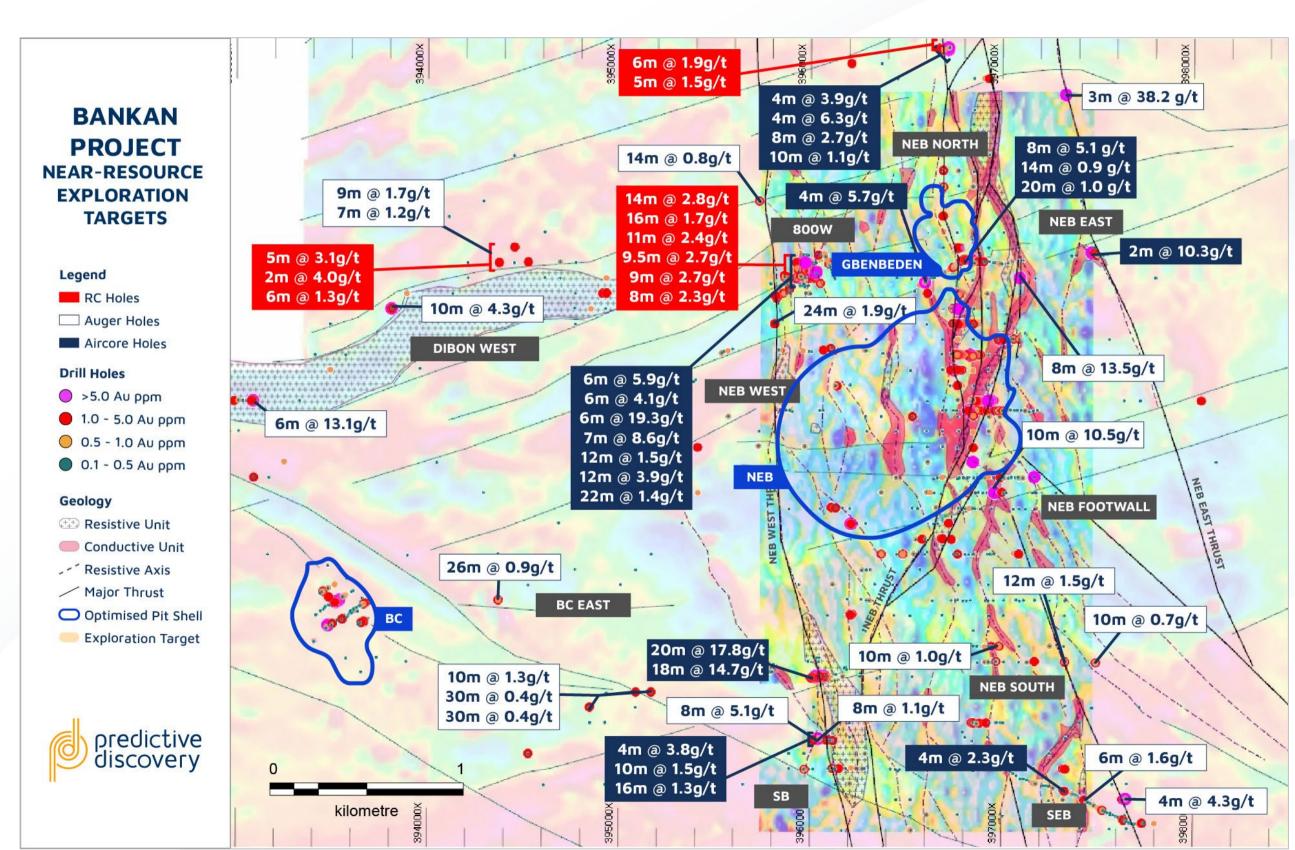




# **Near-resource potential**

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

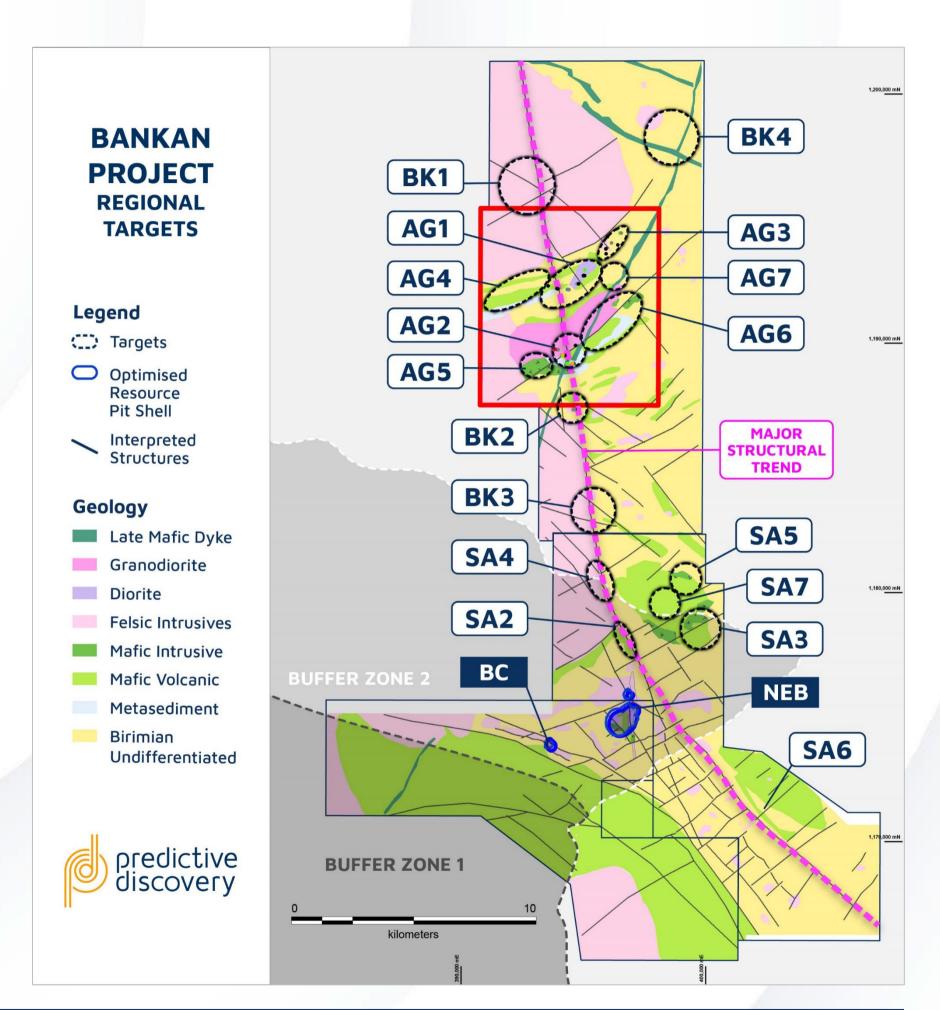
- Shallow drilling (auger & aircore) results confirm the extent of gold mineralisation in the NEB & BC region
- Target areas confirmed by recent geophysics program – excellent induced polarisation results
- Programs designed to deliver additional resource ounces in close proximity to both ore deposits
- Initial RC drilling being completed at multiple targets
- Positive first-pass results from 800W:
  14m @ 2.8g/t; 16m @ 1.7g/t;
  11m @ 2.4g/t; 9.5m @ 2.7g/t

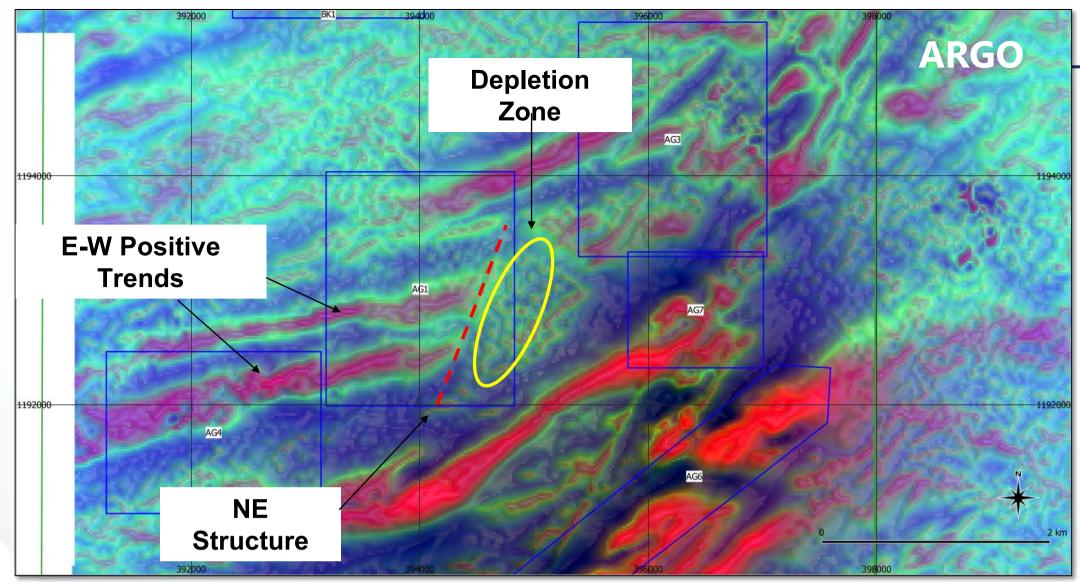


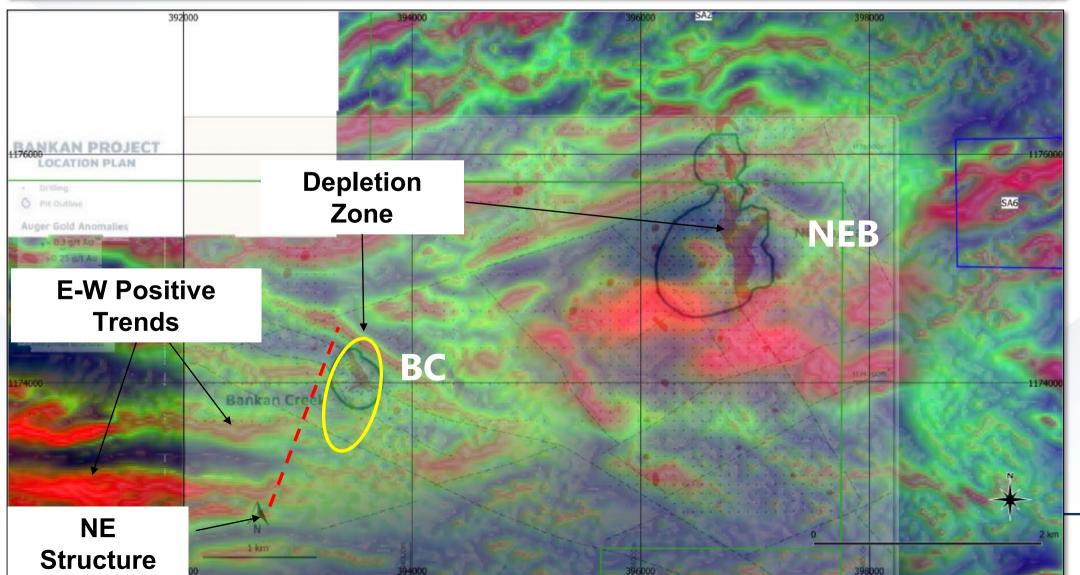
# Regional potential

Significant exploration upside along 35km major structural trend

- Exploration team strengthened in late 2022 to drive regional programs
- O 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
- O Many high-quality targets delineated and being explored during 2023
- O Initial focus on Argo:
  - Attractive geological setting with many artisanal workings
  - Extensive geophysics and auger geochemistry completed
  - 11 drill targets identified and being tested with initial RC drilling







## Argo aeromag reprocessing

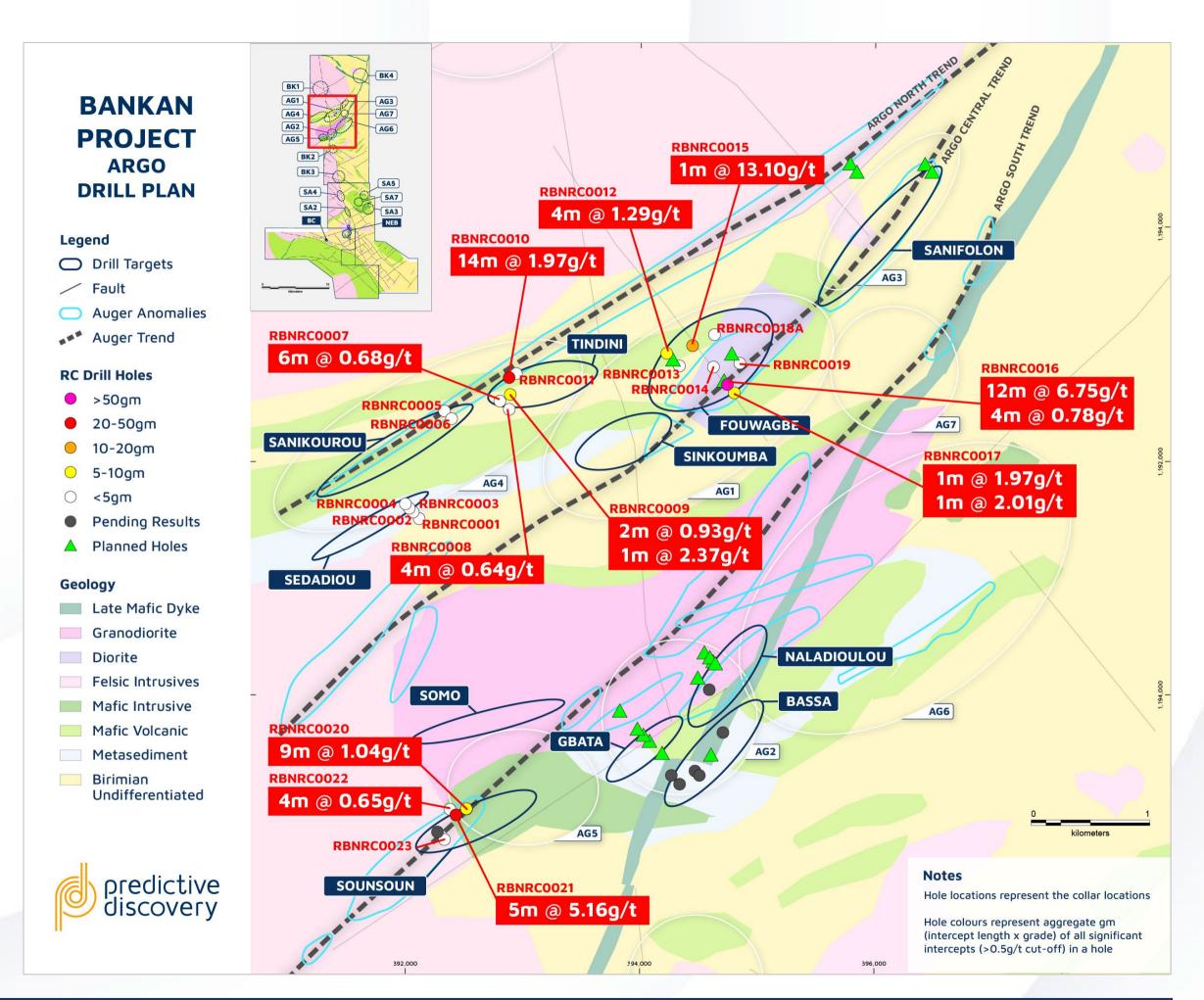
Further evaluation of airborne magnetics data has upgraded the AG1 for BC style mineralisation

- 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
- OAt 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

# **Initial Argo RC results**

### Promising results from multiple target areas

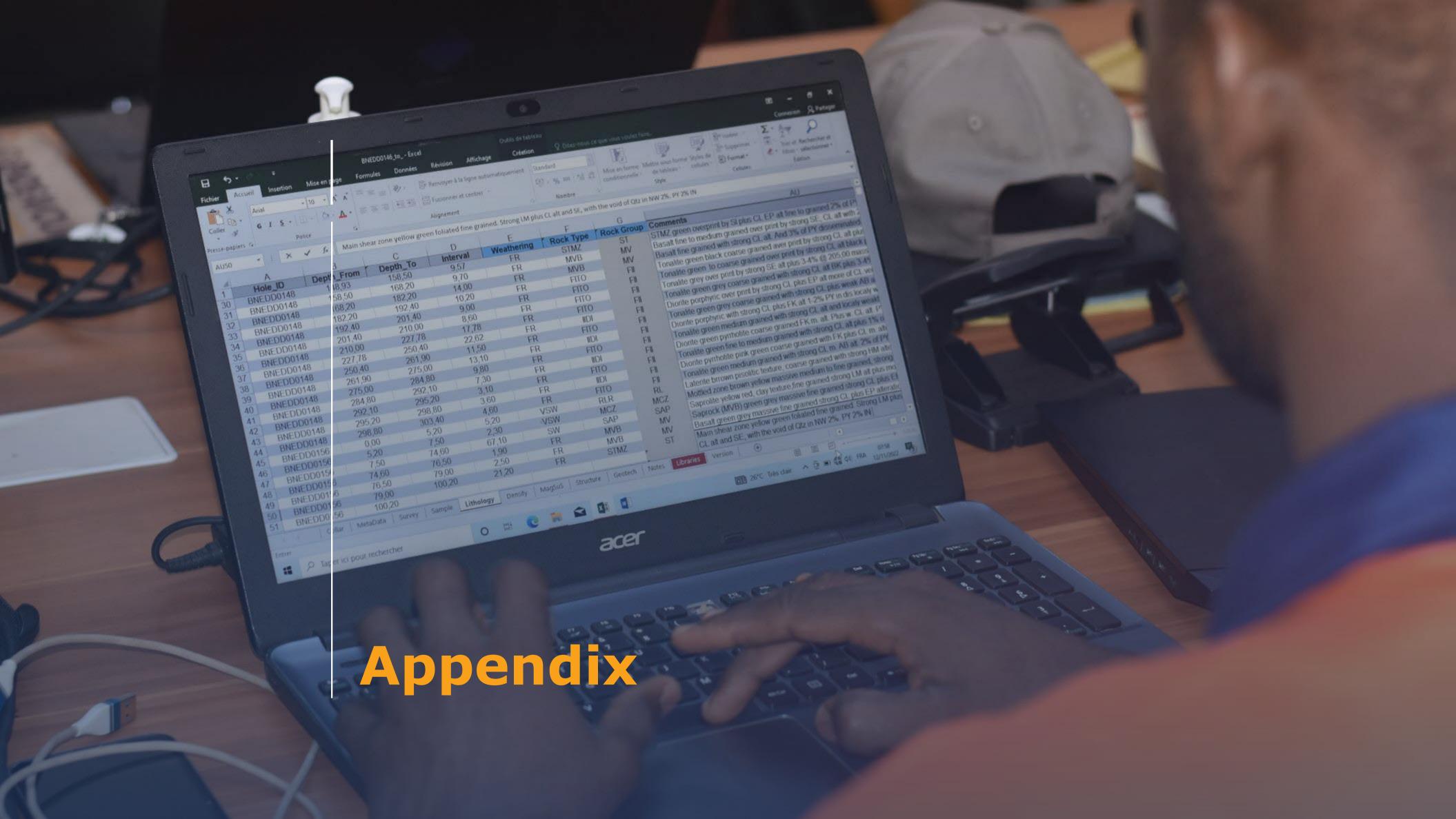
- Results received from first 23 holes (3,064m) of initial program of ~50 holes (~7,000m)
- O Best results from Fouwagbe, Sounsoun and Tindini
  - **Fowagbe**: 12m @ 6.75g/t at a multi-element auger anomaly. Further drilling to test depth / strike potential
  - Sounsoun: 5m @ 5.16g/t and 9m @ 1.04g/t near contacts between felsic intrusive and mafic unit. Latest auger results significantly extend target area to the SW
  - Tindini: Best result of 14m @ 1.97g/t. Further drilling to test depth / strike potential
- Remaining holes of initial program to test southern targets and selectively follow up best results so far
- Latest auger results highlighting new target areas
- Additional aircore/RC drilling being planned



# **PDI** summary

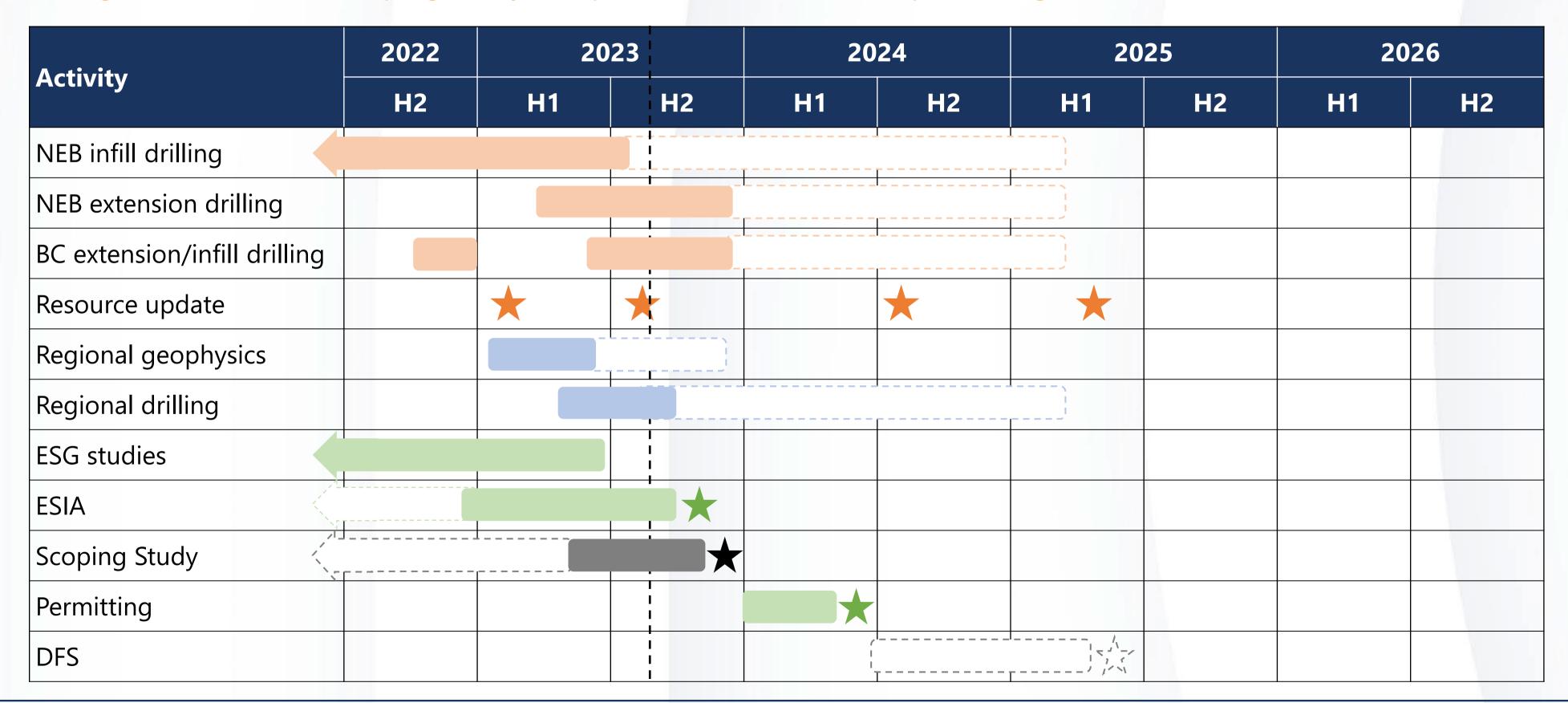
An exciting future as Bankan moves towards the development phase

- Exploration/development company with the Tier-1 Bankan Gold Project in Guinea
- 5.4Moz Resource at NEB and BC, with upside. 77% of the Resource in the Indicated category
- Fully funded 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; Encouraging initial RC drilling results at Argo
- The right Management Team with a track record of building out resource bases, and developing and operating gold mines in Africa



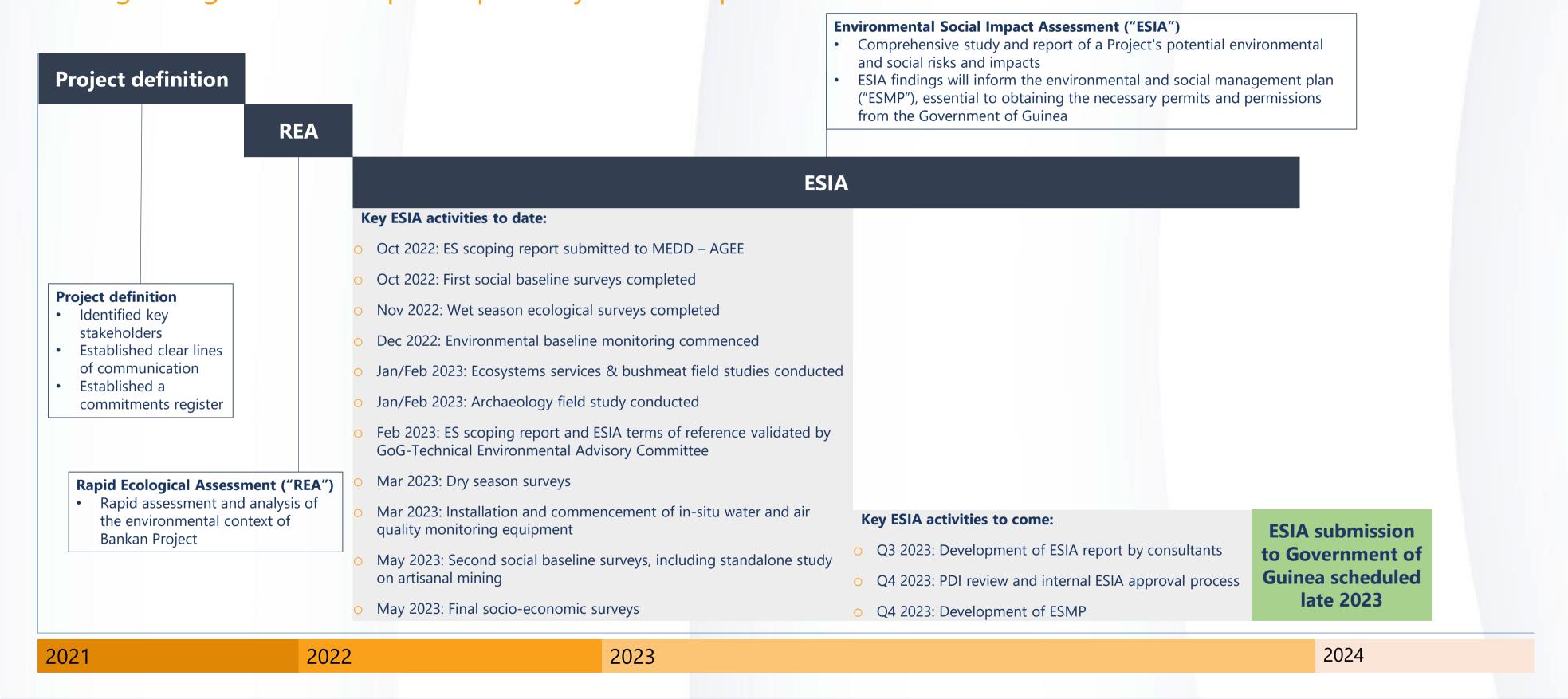
## Indicative activities & timeline

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



# 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)

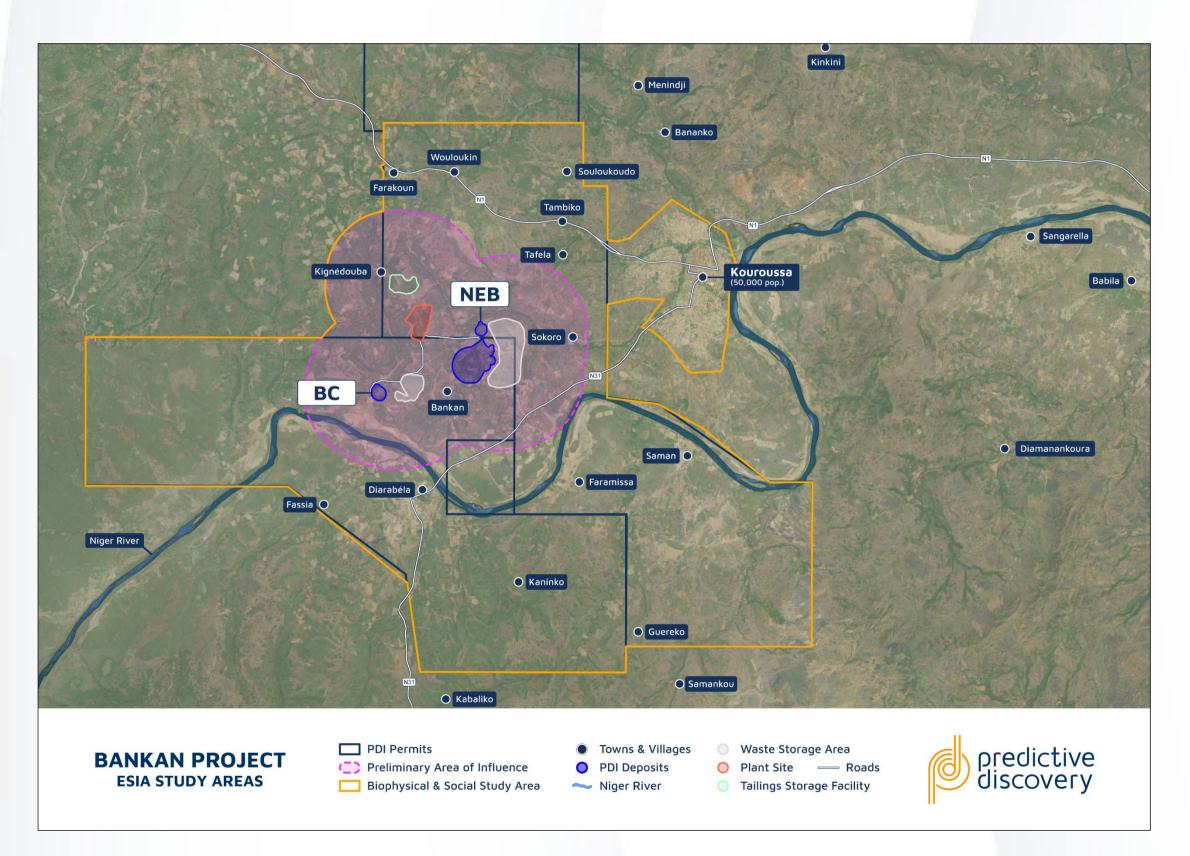
### **ESIA Study Components:**

### **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







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
- o Issue-based and proactive engagement with regional and local authorities to share project information, fulfil regulatory requirements and obtain authorisation
- O 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** 











### **Updated Bankan Mineral Resource estimate**

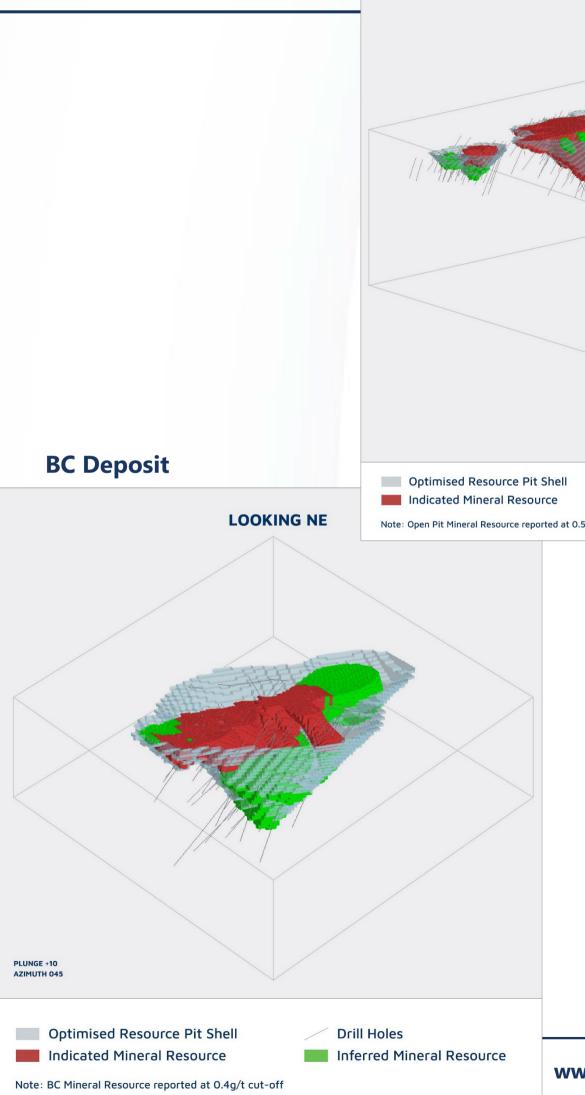
Deposit	Classification	Cut-off (g/t Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
	Indicated	0.5	78.4	1.55	3,900
NEB Open Pit	Inferred	0.5	3.1	0.91	92
	Total		81.4	1.53	3,993
NEB Underground	Inferred	2.0	6.8	4.07	896
NEB Total			88.3	1.72	4,888
BC Open Pit	Indicated	0.4	5.3	1.42	244
	Inferred	0.4	6.9	1.09	243
BC Total			12.2	1.24	487
<b>Total Bankan Project</b>			100.5	1.66	5,376

#### **Notes to Resource Table:**

- 1. The Mineral Resource is estimated with all drilling data available as at 29 July 2023.
- 2. The Mineral Resource is reported in accordance with the JORC Code 2012 Edition. The NEB Open Pit Resource is reported at a 0.5g/t Au cut-off and the NEB Underground Mineral Resource is reported at a 2.0g/t cut-off. The BC Open Pit Resource is reported at a 0.4g/t Au cut-off.
- 3. The Competent Person is Phil Jankowski FAusIMM of CSA Global.
- 4. The Open Pit Mineral Resource is 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**

Туре	Holes	Metres
RC	162	49,521
DD or RC/DD	267	98,754
Total	429	148,275



### **NEB Deposit**

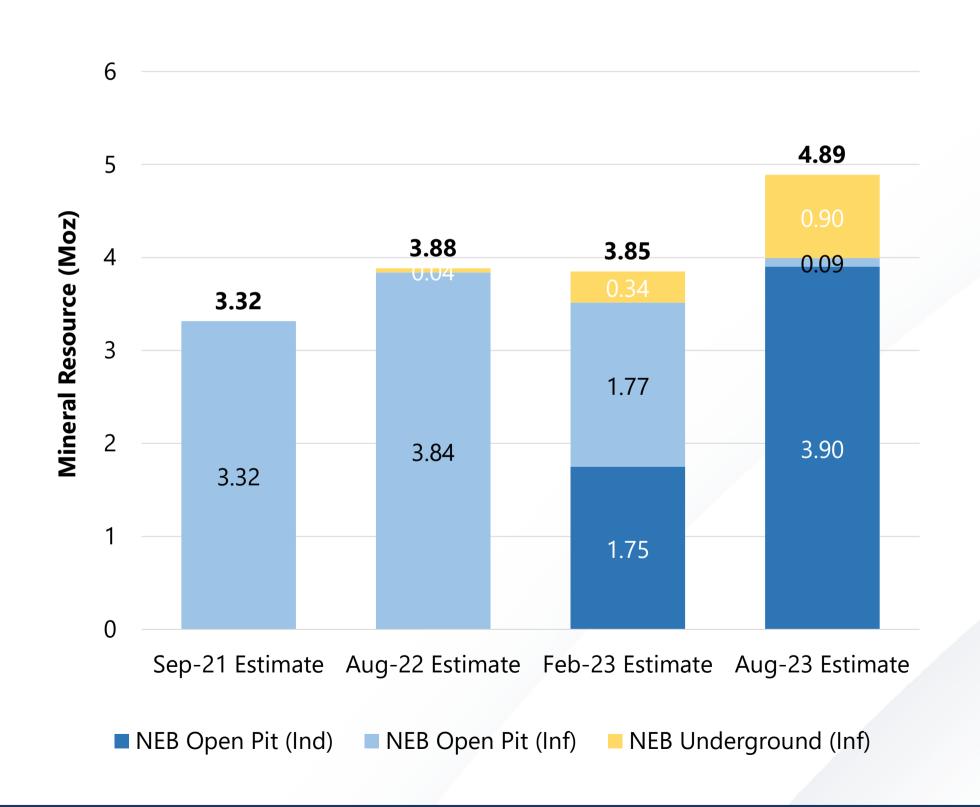
**Drill Holes** 

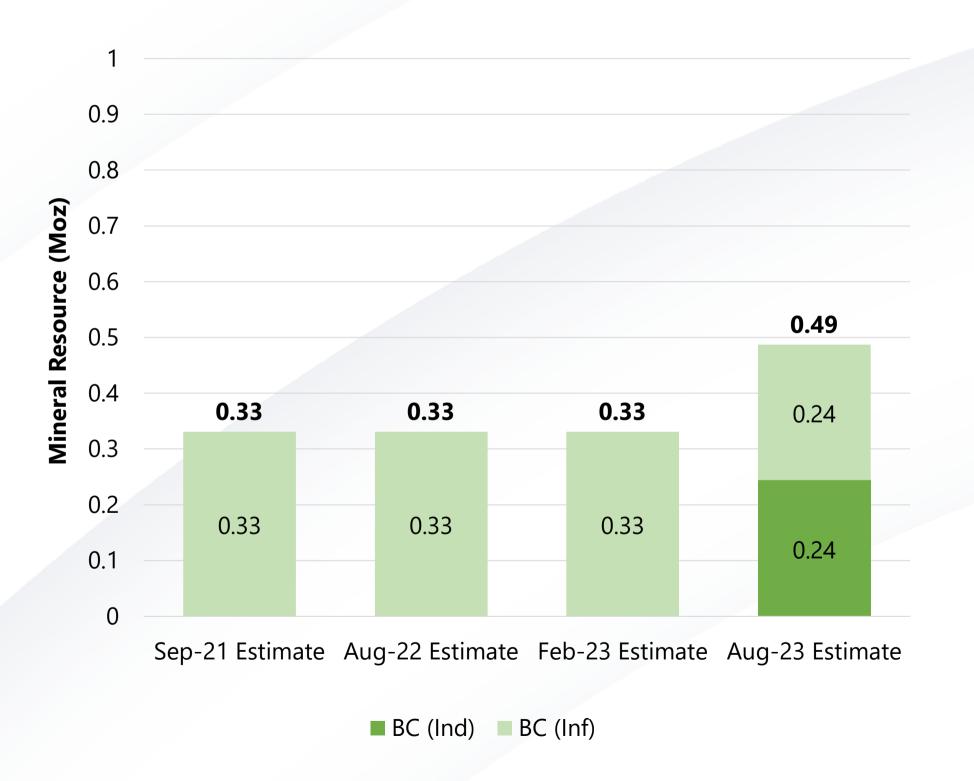
Inferred Mineral Resource

**LOOKING SE** 

## **NEB & BC Mineral Resource evolution**

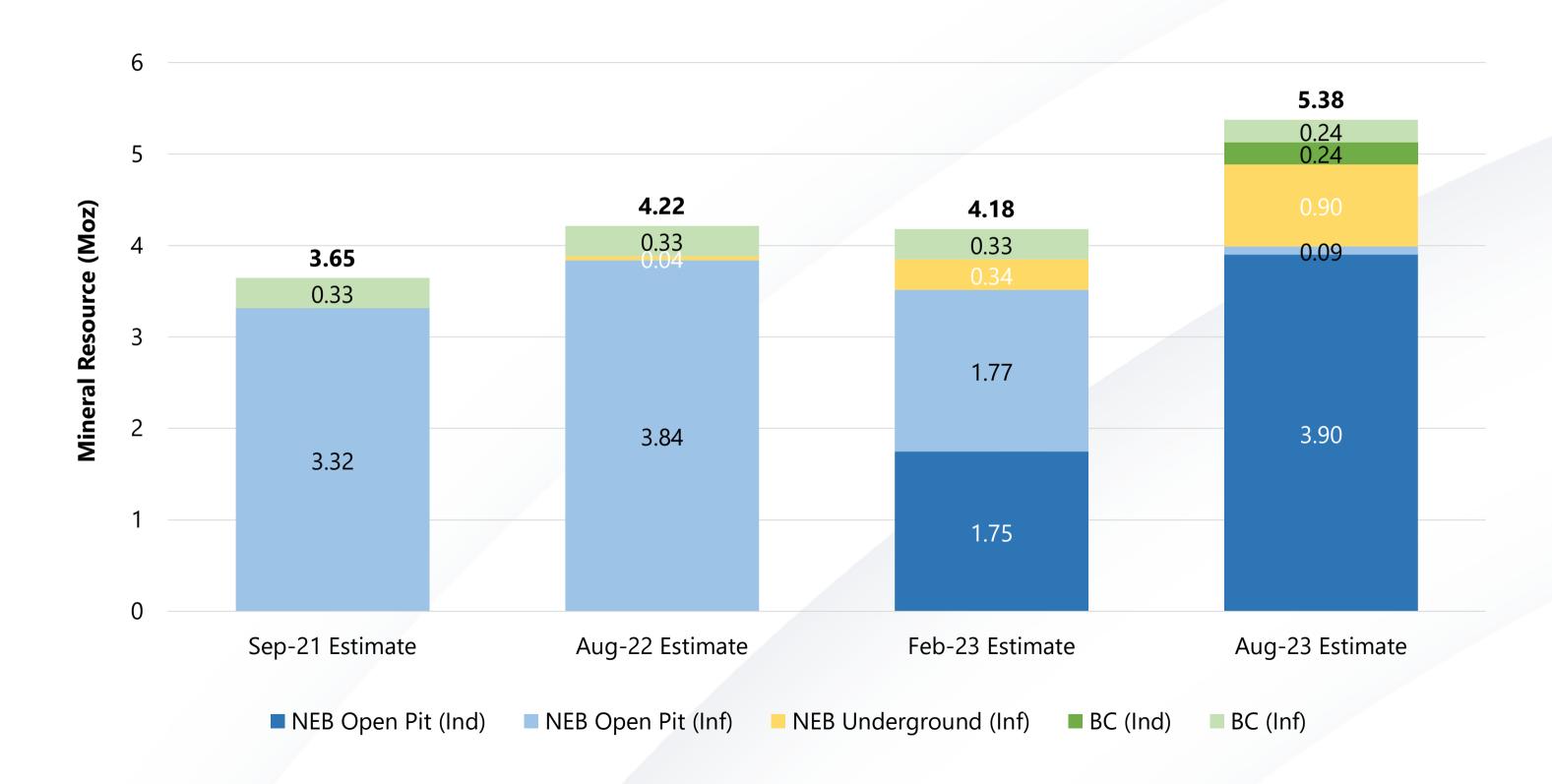
In two years since the maiden estimate, PDI has successfully increased and upgraded the Mineral Resources at both NEB and BC. The total Mineral Resource is now 5.38Moz, with 4.14Moz in Indicated (77% of the total)





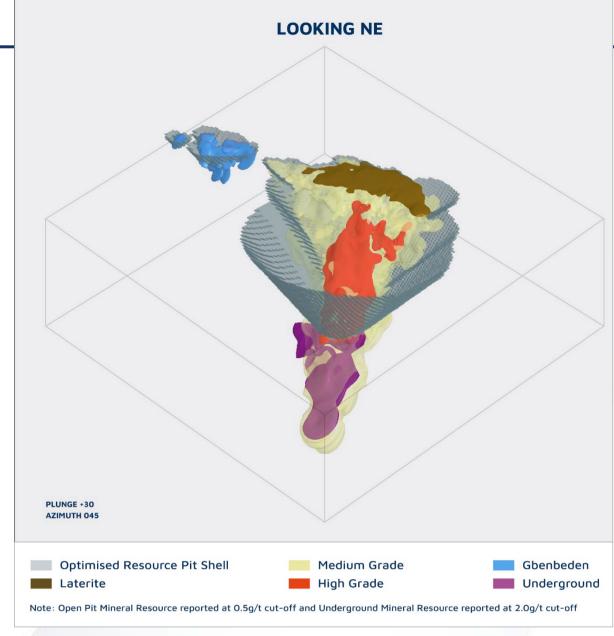
## **Bankan Mineral Resource evolution**

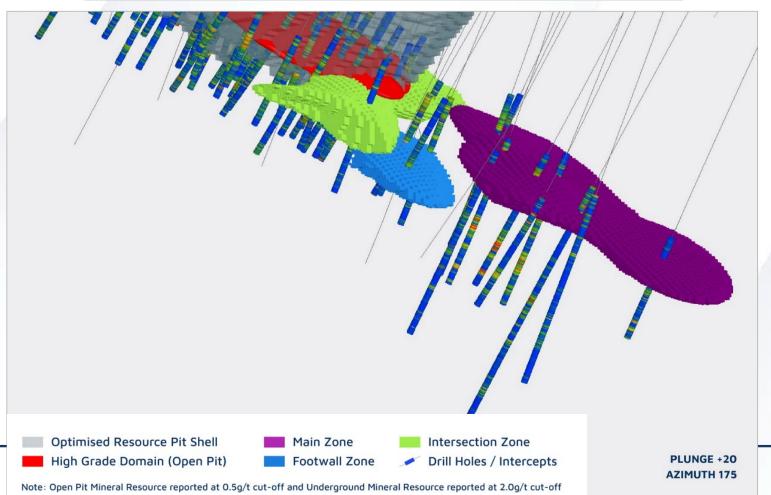
In two years since the maiden estimate, PDI has added 1.73Moz (+47% increase) and upgraded 4.14Moz into Indicated (77% of the total Mineral Resource)



### **NEB Mineral Resource Estimate by Domain**

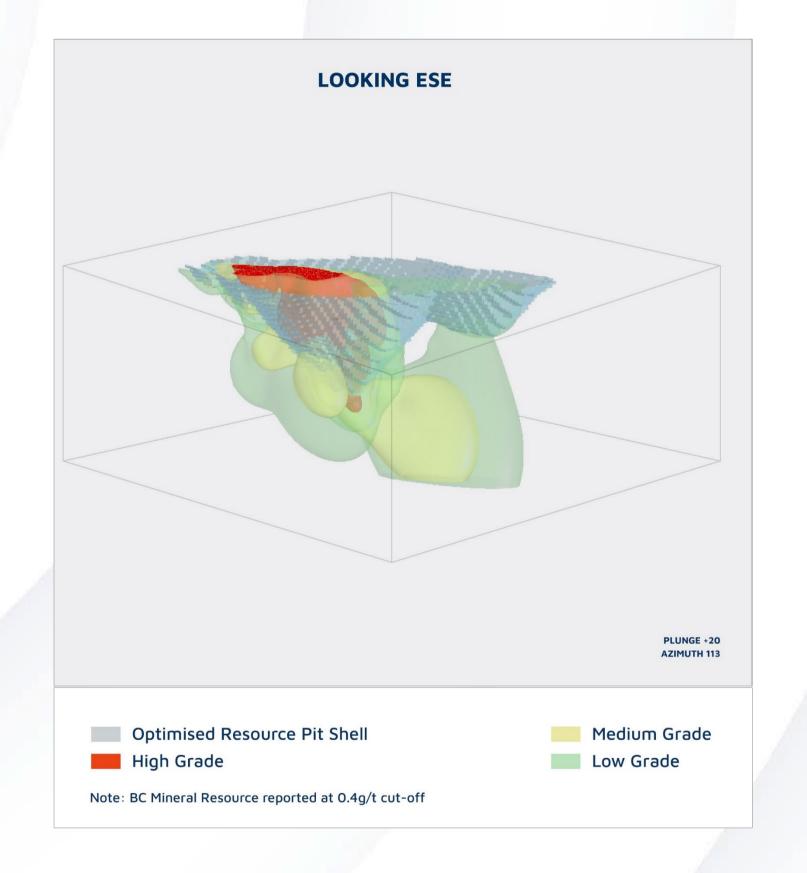
		Indicated			Inferred		
Domain Cut-off (g/t Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)	
Open Pit							
Laterite	0.5	1.7	1.00	57	-	-	-/
Low Grade	0.5	-	-	-	0.1	0.58	5
Medium Grade	0.5	63.9	0.93	1,902	1.9	0.93	57
High Grade	0.5	11.4	5.20	1,904	-	-,,,,,	-
Gbenbeden	0.5	1.4	0.84	38	1.0	0.92	31
Underground							
Main	2.0				4.5	4.60	662
Intersection	2.0	-	<u>-</u>		1.4	3.12	144
Footwall	2.0				0.9	3.00	90





### **BC** Mineral Resource Estimate by Domain

		Indicated			Inferred		
Domain	Cut-off (g/t Au)	Tonnes (Kt)	Grade (g/t Au)	Contained (Koz Au)	Tonnes (Kt)	Grade (g/t Au)	Contained (Koz Au)
Open Pit	Open Pit						
Laterite	0.4	0.2	0.95	0	-	-	<u>-</u> /
Low Grade	0.4	1,180	0.58	22	2,875	0.65	60
Medium Grade	0.4	1,709	0.69	38	1,880	0.63	38
High Grade	0.4	2,434	2.35	184	2,161	2.09	145



### **NEB Open Pit Grade Tonnage Table**

Cut-off (g/t Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
0	110.5	1.17	4,163
0.1	106.4	1.21	4,155
0.2	94.0	1.35	4,095
0.3	83.6	1.50	4,018
0.4	81.4	1.52	4,002
0.5	81.4	1.53	3,993
0.6	77.7	1.57	3,926
0.7	67.4	1.71	3,712
0.8	55.4	1.92	3,420
0.9	43.5	2.22	3,099
1.0	30.2	2.64	2,772

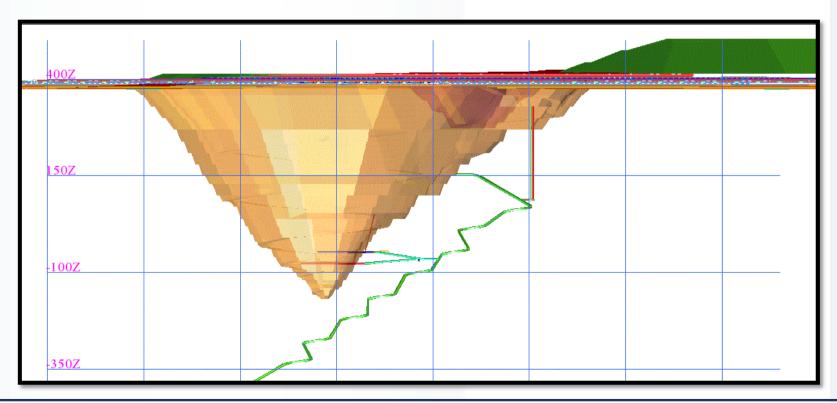
### **BC Open Pit Grade Tonnage Table**

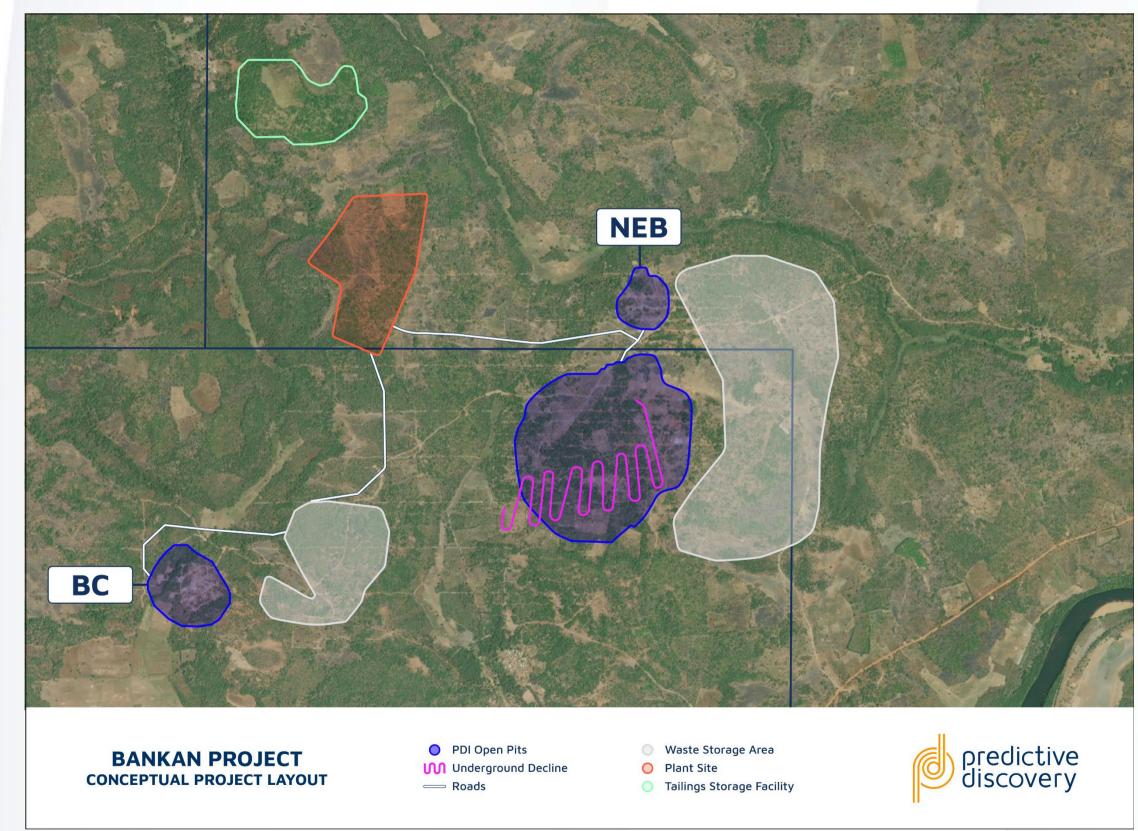
Cut-off (g/t Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
0	16.0	1.01	520
0.1	16.0	1.01	520
0.2	15.6	1.04	517
0.3	13.9	1.13	503
0.4	12.2	1.24	487
0.5	10.8	1.34	464
0.6	9.5	1.45	442
0.7	7.3	1.69	397
0.8	5.3	2.06	350
0.9	4.8	2.20	336
1.0	4.5	2.27	328

# 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
- O Tailings will be dry-stacked to minimise environmental impact
- O Power station diesel / heavy fuel oil; partial solar to be considered
- O Process water from mine dewatering plus bores as required

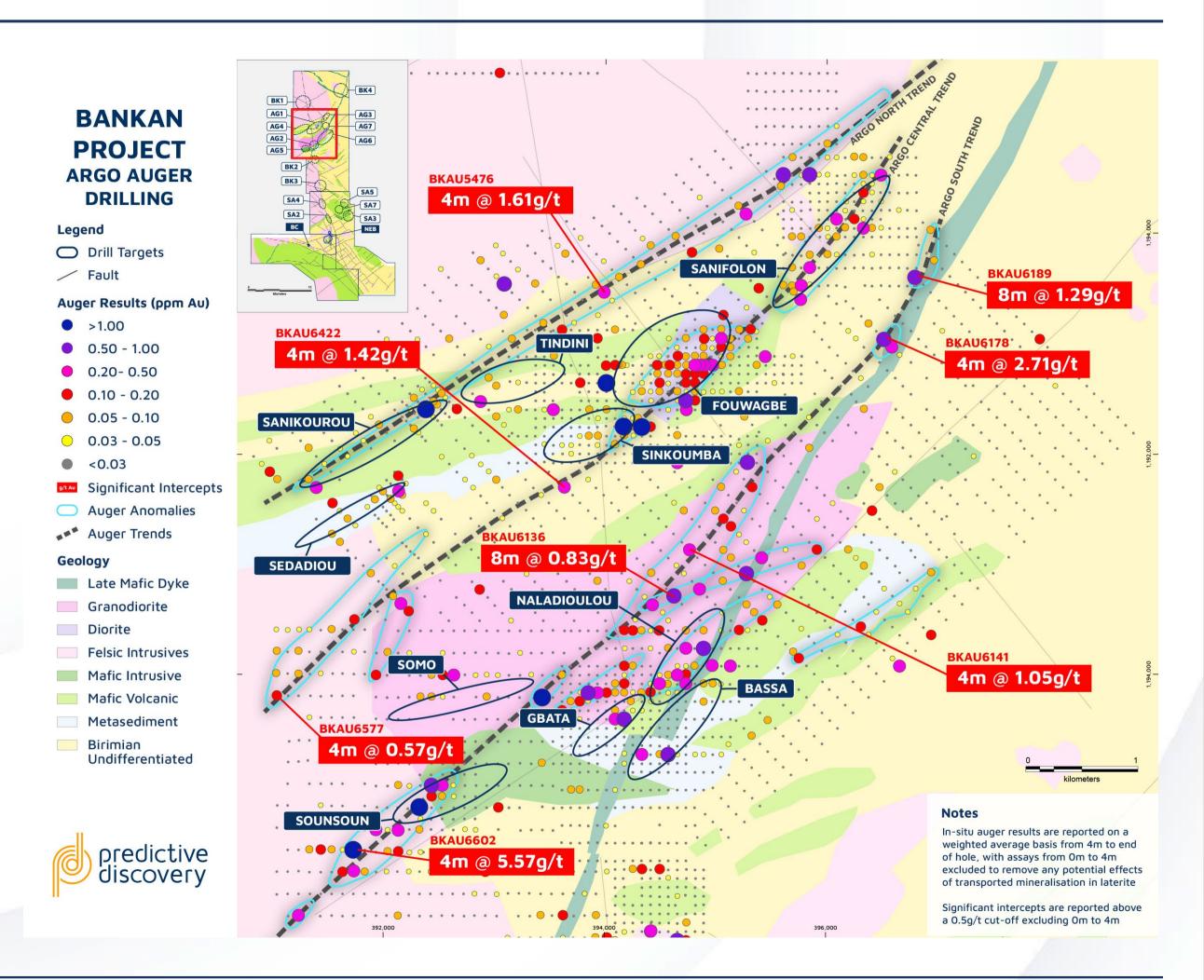




# **Argo exploration update**

Positive recent auger results

- Latest auger results complete the grid over Argo (selective infill auger drilling to continue)
- Three subparallel north-east orientated auger trends highlighted
- RC drill targets based on initial auger results have been confirmed
- Sounsoun target extended significantly to the south-west based on new 1.2km long anomaly
- Various new auger anomalies identified for follow-up with aircore and RC drilling

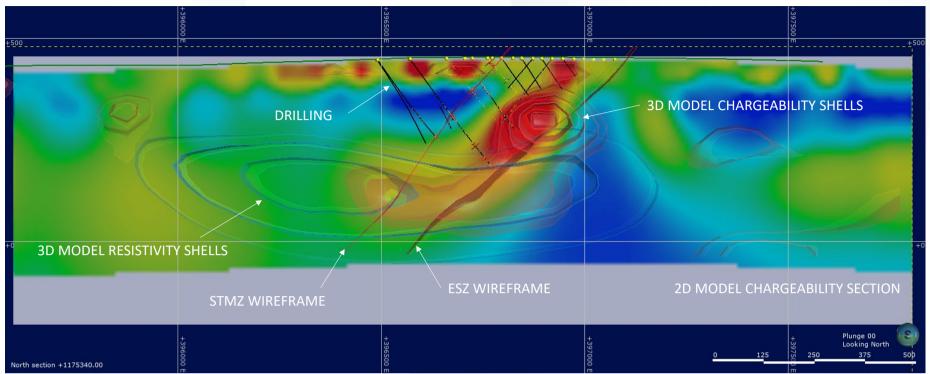


# Argo induced polarisation results

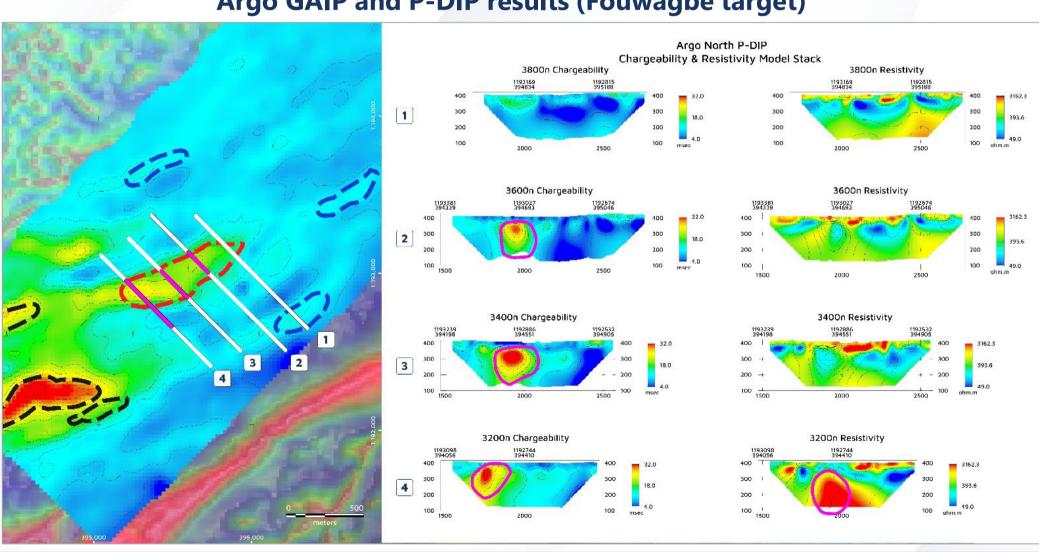
### Multiple anomalies identified from IP surveys

- O Highly successful IP trial conducted over NEB in 2022
  - NEB mapped over ~500m in the near surface (using GAIP) and to an IP detection depth of ~400m (using P-DIP)
- Extensive IP program completed at Argo:
  - 182 line km of GAIP surveys
  - 10 line km of P-DIP surveys
- 23 surface anomalies identified through GAIP surveys
- O P-DIP surveys tested depth extent of four key GAIP anomalies, illustrating anomalies extend to depth
- O Key input into drill targeting at Argo, which identified 11 targets
- O P-DIP results for the Priority 1 Fouwagbe drill target show a shallow chargeability feature on three survey lines and a deeper resistivity feature on one line

### **NEB combined GAIP and P-DIP results (section 1175340N)**



### **Argo GAIP and P-DIP results (Fouwagbe target)**



### **Material ASX releases**

FURTHER SOLID DRILLING RESULTS FROM THE NEB & BC AREA, 12/9/2023 ECNOURAGING INITIAL ARGO RC RESULTS, 29/8/2023 BANKAN MINERAL RESOURCE INCREASES TO 5.38MOZ, 7/8/2023 RESOURCE DEFINITION DRILLING RESULTS, 7/8/2023 ENCOURAGING DRILL RESULTS AT NEB, BC AND NEARBY TARGETS, 19/6/2023 ARGO TARGET UPGRADED BY RECENT AUGER RESULTS, 19/6/2023 POSITIVE RESOURCE DRILLING RESULTS FROM NEB AND BC, 5/6/2023 MULTIPLE HIGH PRIORITY TARGETS IDENTIFIED AT ARGO, 22/5/2023 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

