



West Africa's Next Tier-1 Gold Mine

ASX:PDI

Noosa Mining Conference

July 2023

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\$362m*
- 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 14 July 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

Corporate overview

2,067M

Shares on issue

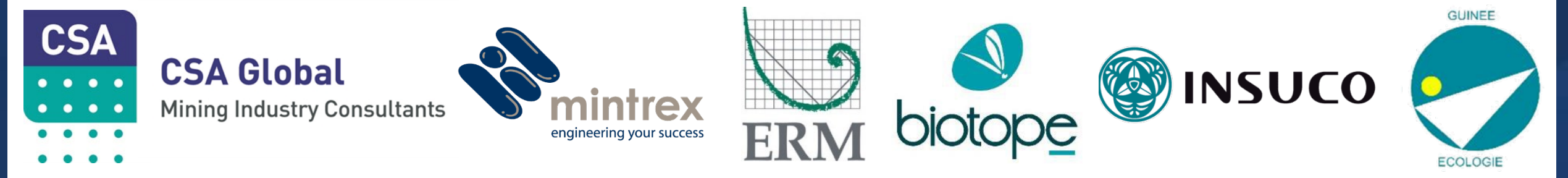
A\$45M

Cash (at 30 June 2023)

A\$362M

Market cap (at 14 July 2023)

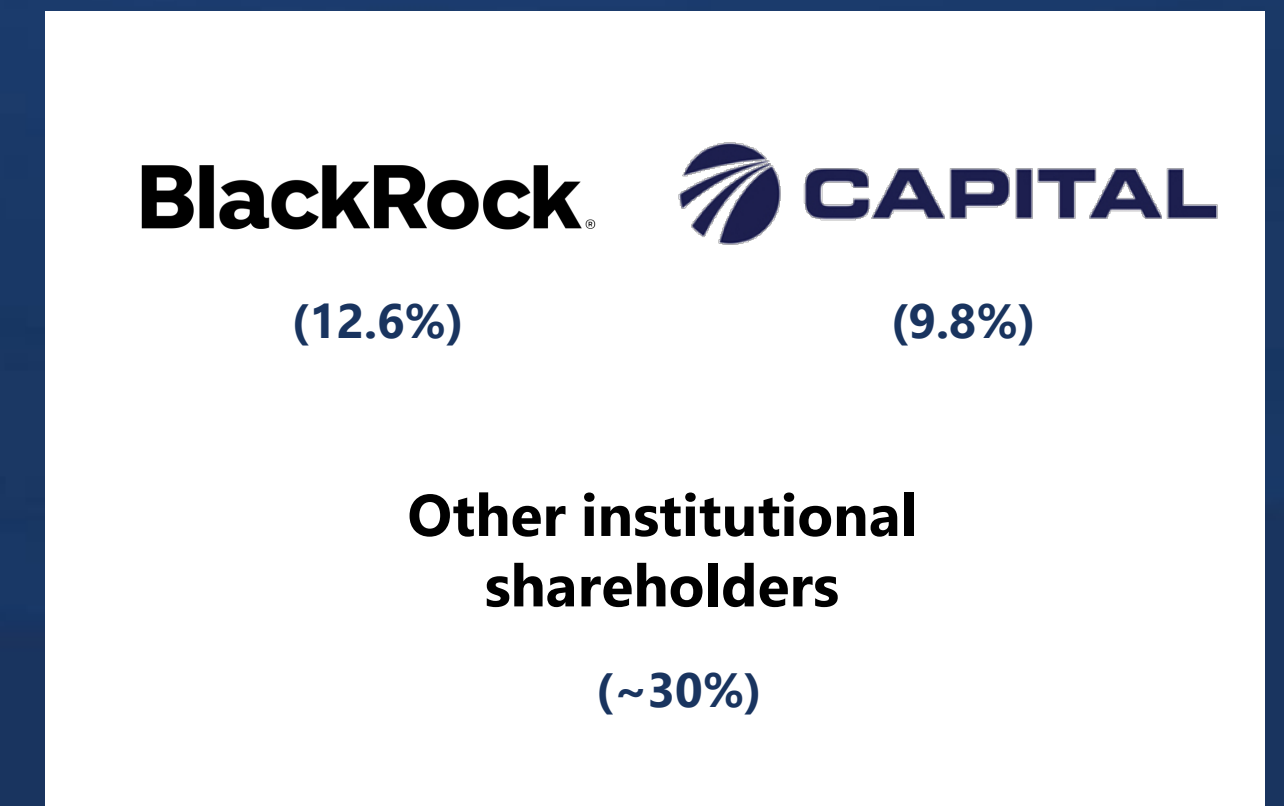
Technical and ESG partners



Research



Major shareholders





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

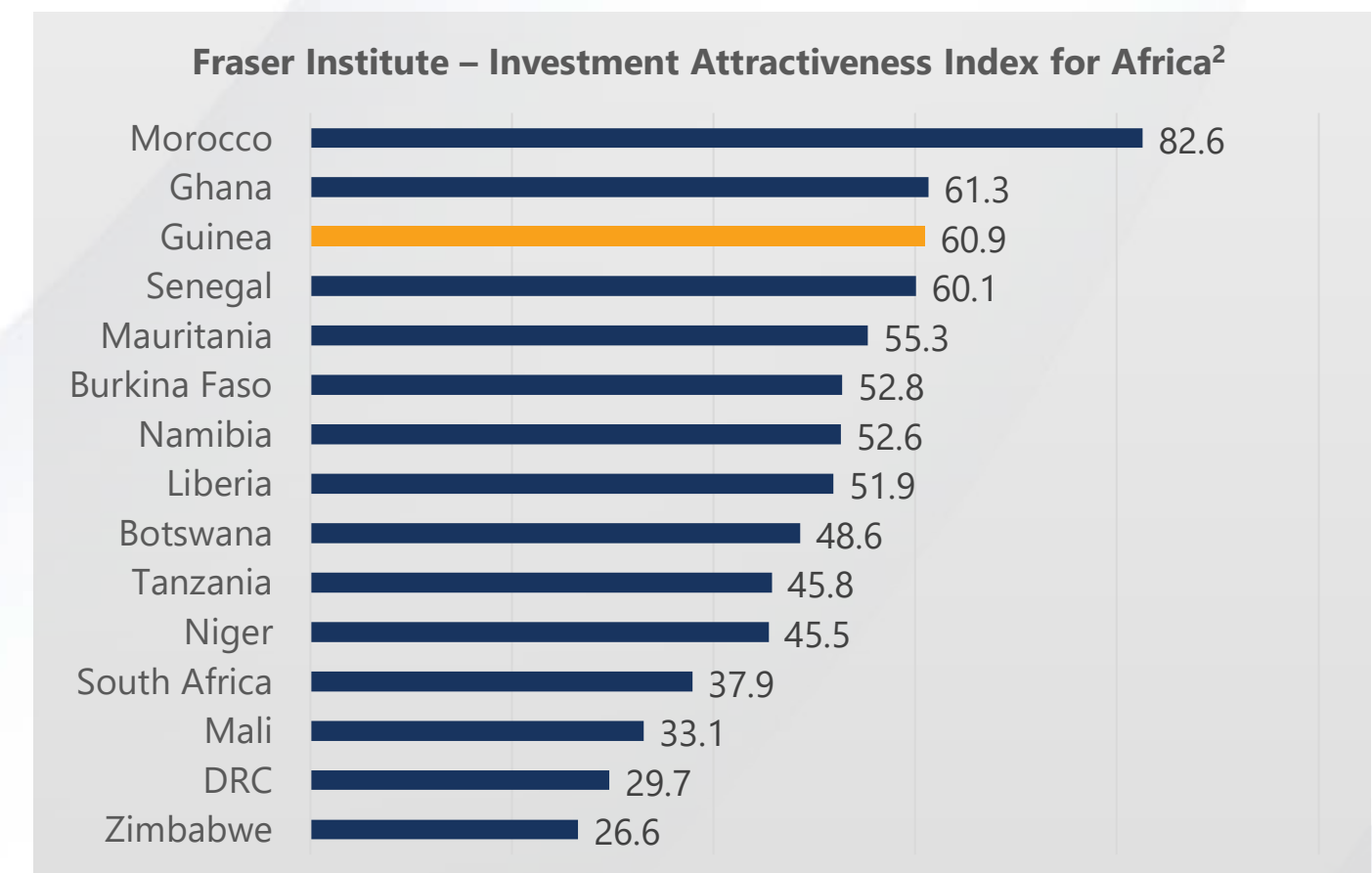
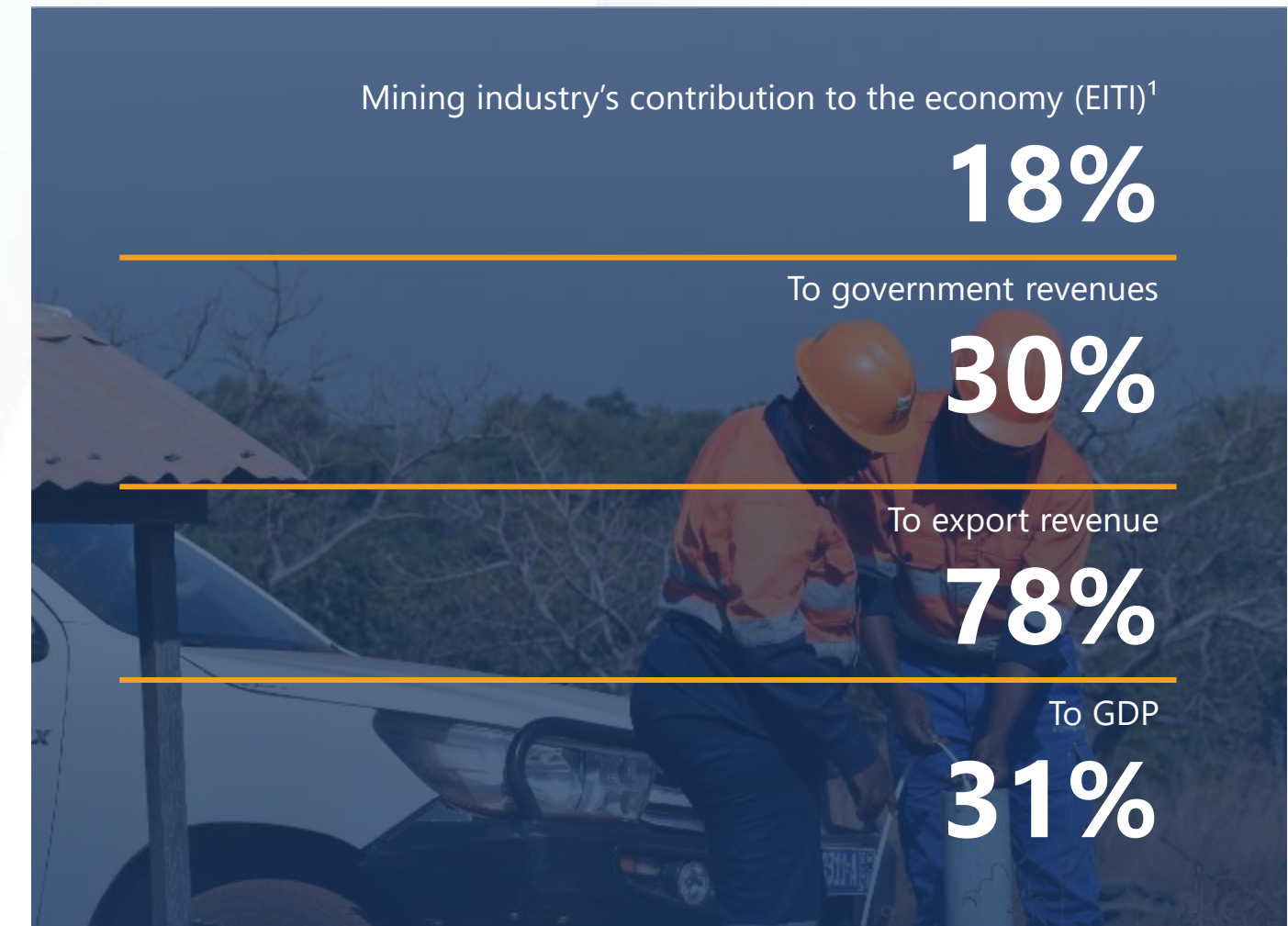
- Royalty of 5% plus a 1% contribution to local Development
- Corporate tax rate of 30%
- State entitled to 15% free carry
- Advanced and robust environmental management expectations

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 Africa²
- Major global resource companies operating in country

Positive, two-way communication with Mining and Environmental Ministries

- Regular engagement at all levels



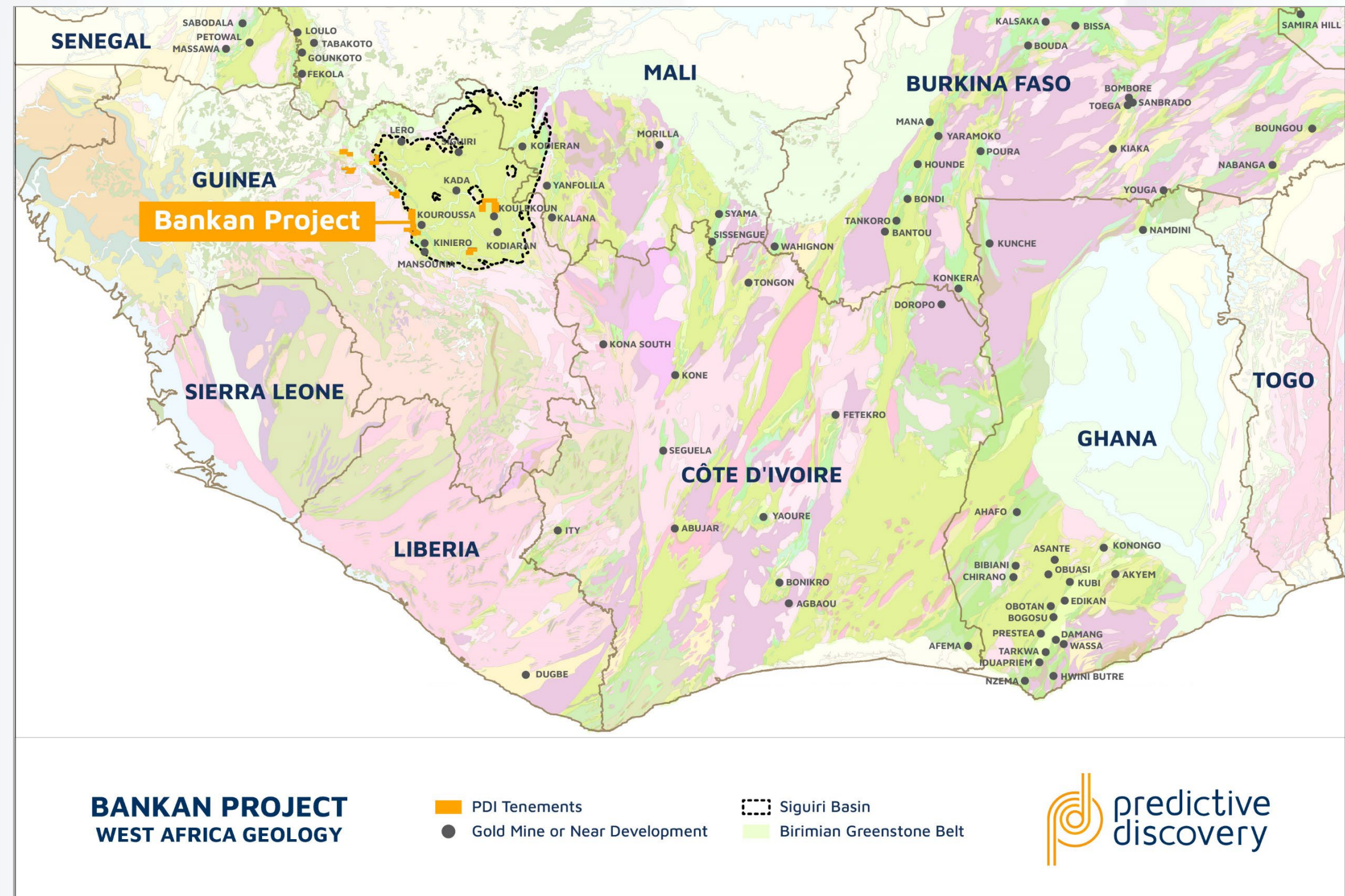
1. <https://eiti.org/news/guinea-achieves-high-score-eiti-implementation>

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

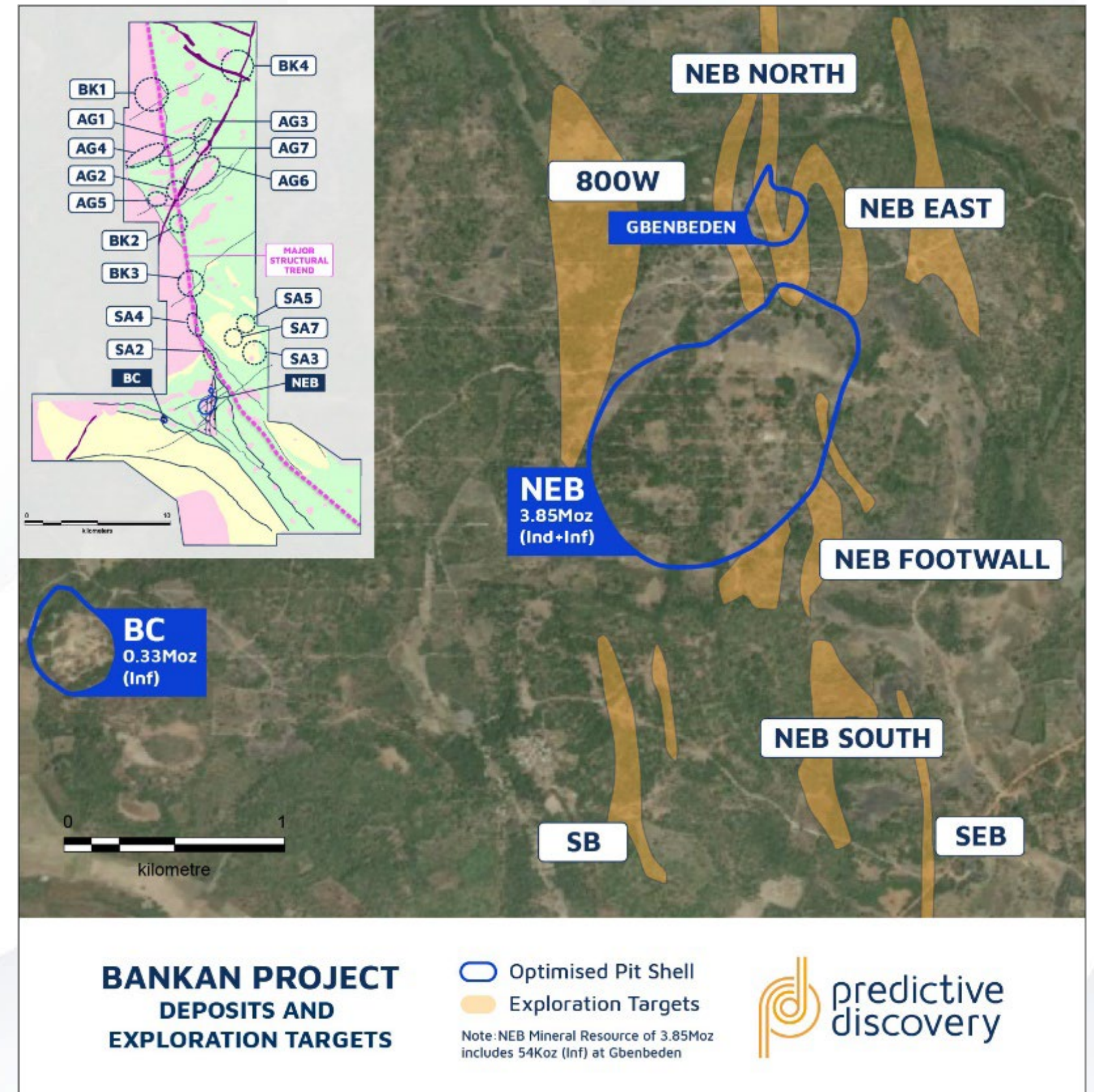
- Siguiri Basin is the least explored region within the West African Birimian Greenstone belt
- Hosts mines and deposits including:
 - **AngloGold Ashanti's Siguiri Gold Mine**
(9.2Moz gold resource; 279Koz 2022 production; operating for 25 years)
 - **Nordgold's Lefa Gold Mine**
(4.5Moz gold resource; 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



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 deposits¹
 - **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 – 83,000m of DD/RC drilling completed in FY23
- 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



ESG focus

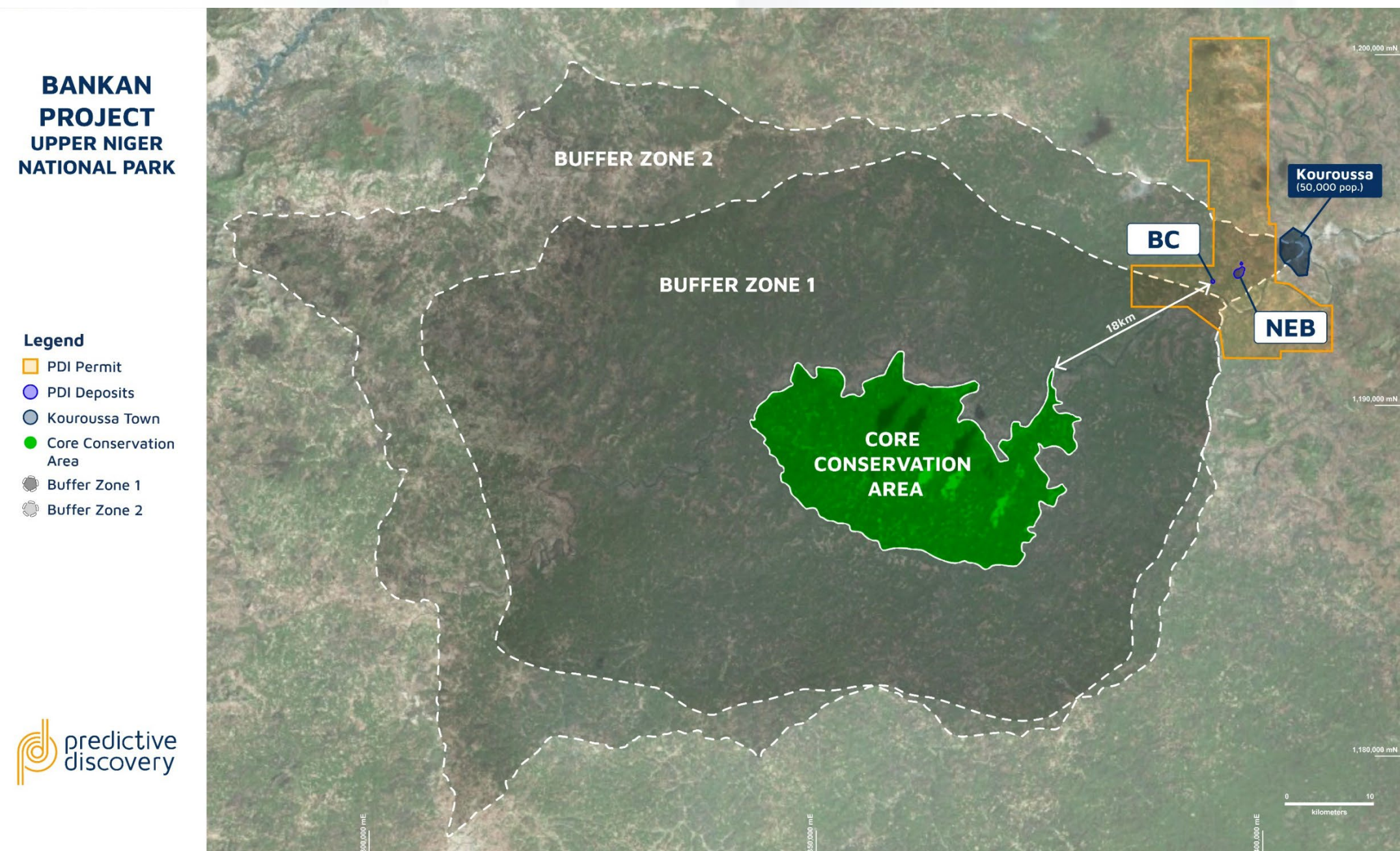
Committed to the sustainable development of Bankan

ESG strategy & goals

- Develop Bankan in an environmentally and socially sustainable manner, with strong support from key stakeholders
- Protect the environment and improve outcomes in the region, especially in the Core Conservation Area
- 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 mining is not allowed in Buffer Zone 2, there are precedents in Guinea for mining permits to be granted within Protected Areas
- PDI has strong Government and community support for the project



ESG activities

- ESG Committee established to provide Board level oversight
- 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

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 the Park



Degraded landscape in Buffer Zone 2 near the NEB deposit

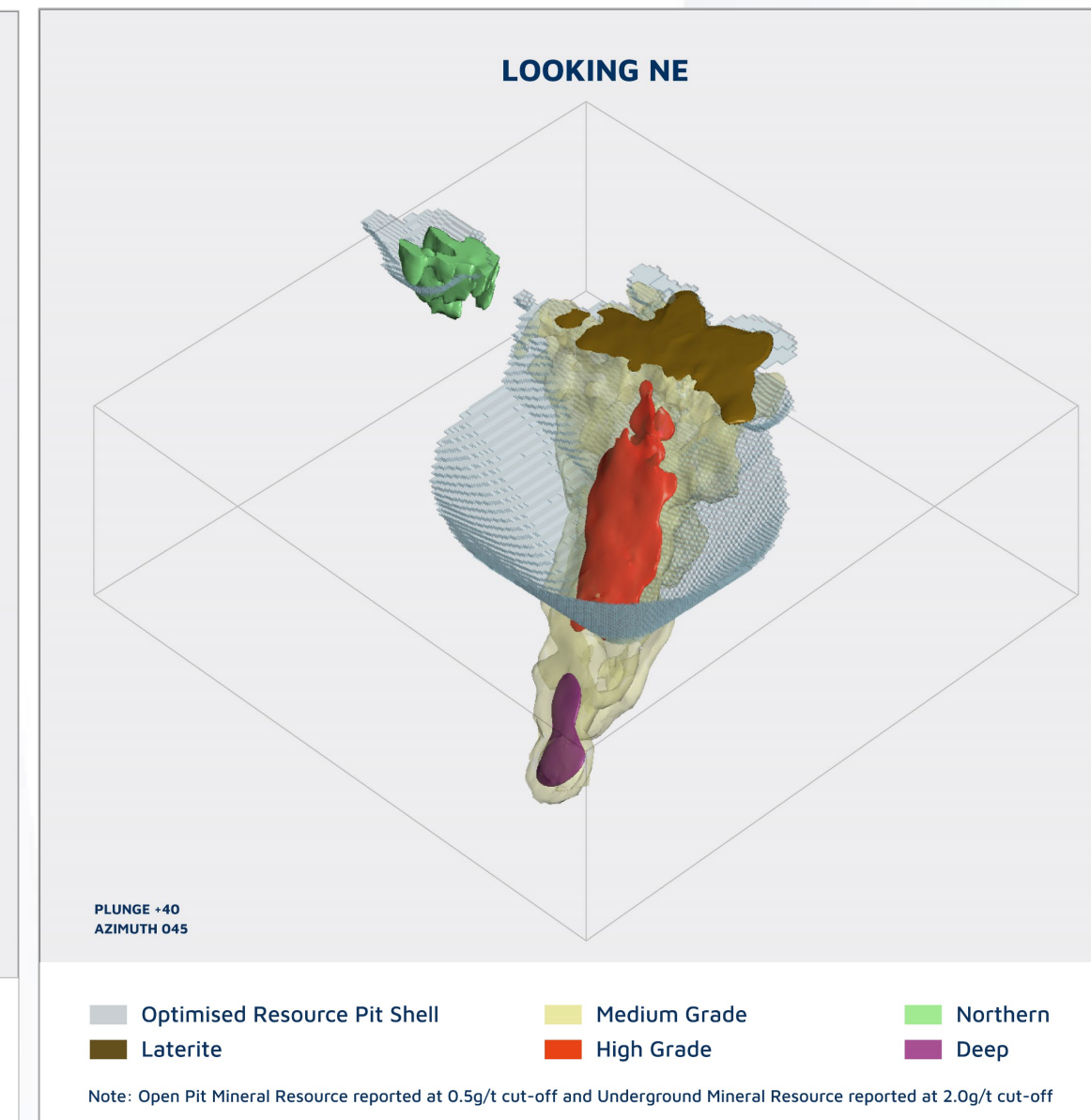
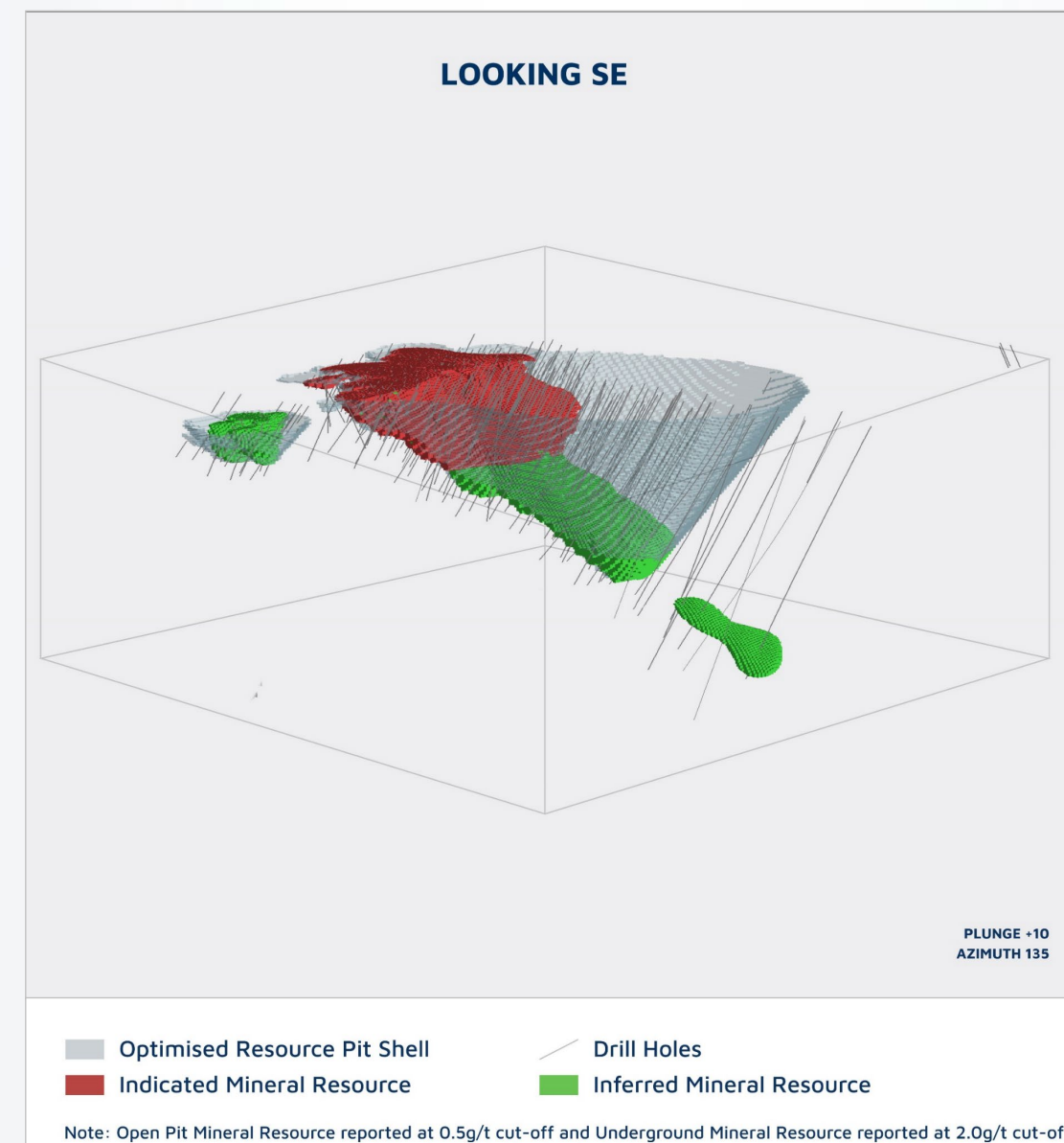
Bankan Mineral Resource

Resource update planned in Q3 2023 for use in the Scoping Study

- Currently 4.2Moz across NEB (3.85Moz) and BC (331Koz)
- Q1 2023 update mainly focused on upgrading the NEB resource
- 63% of tonnes and 50% of contained gold in NEB's resource pit shell upgraded to Indicated – top 250m
- NEB Underground Mineral Resource increased to 335Koz at 4.75g/t. Still based on limited drilling with significant upside potential
- BC estimate was unchanged, but remains open
- Resource definition drilling for the Q3 2023 update has been targeting:
 - Further conversion of the NEB Open Pit Mineral Resource to Indicated
 - Expansion of the NEB Underground Mineral Resource
 - Infill and expansion of Gbenbeden (northern pit shell)
 - Infill and expansion of the BC Mineral Resource

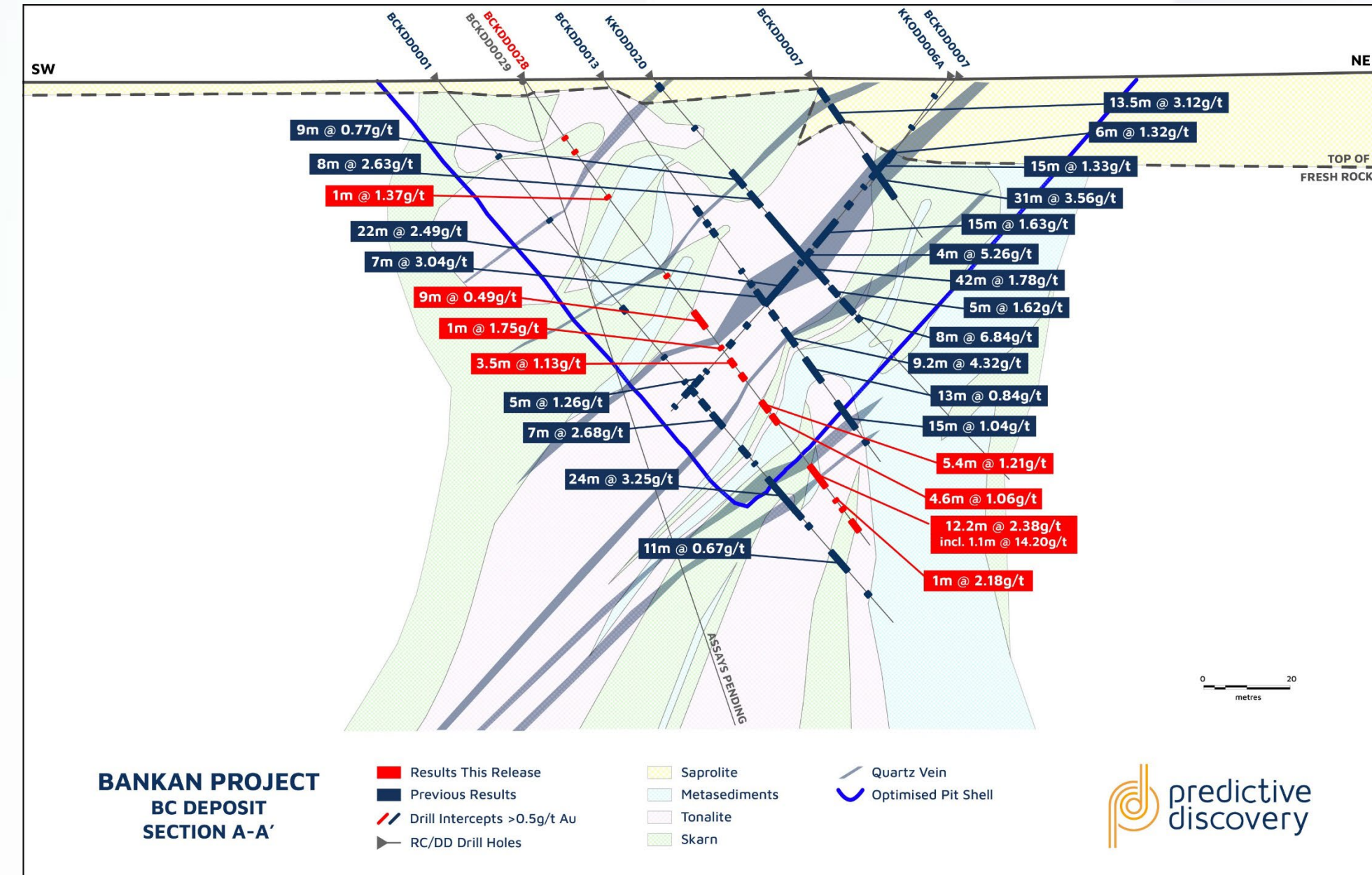
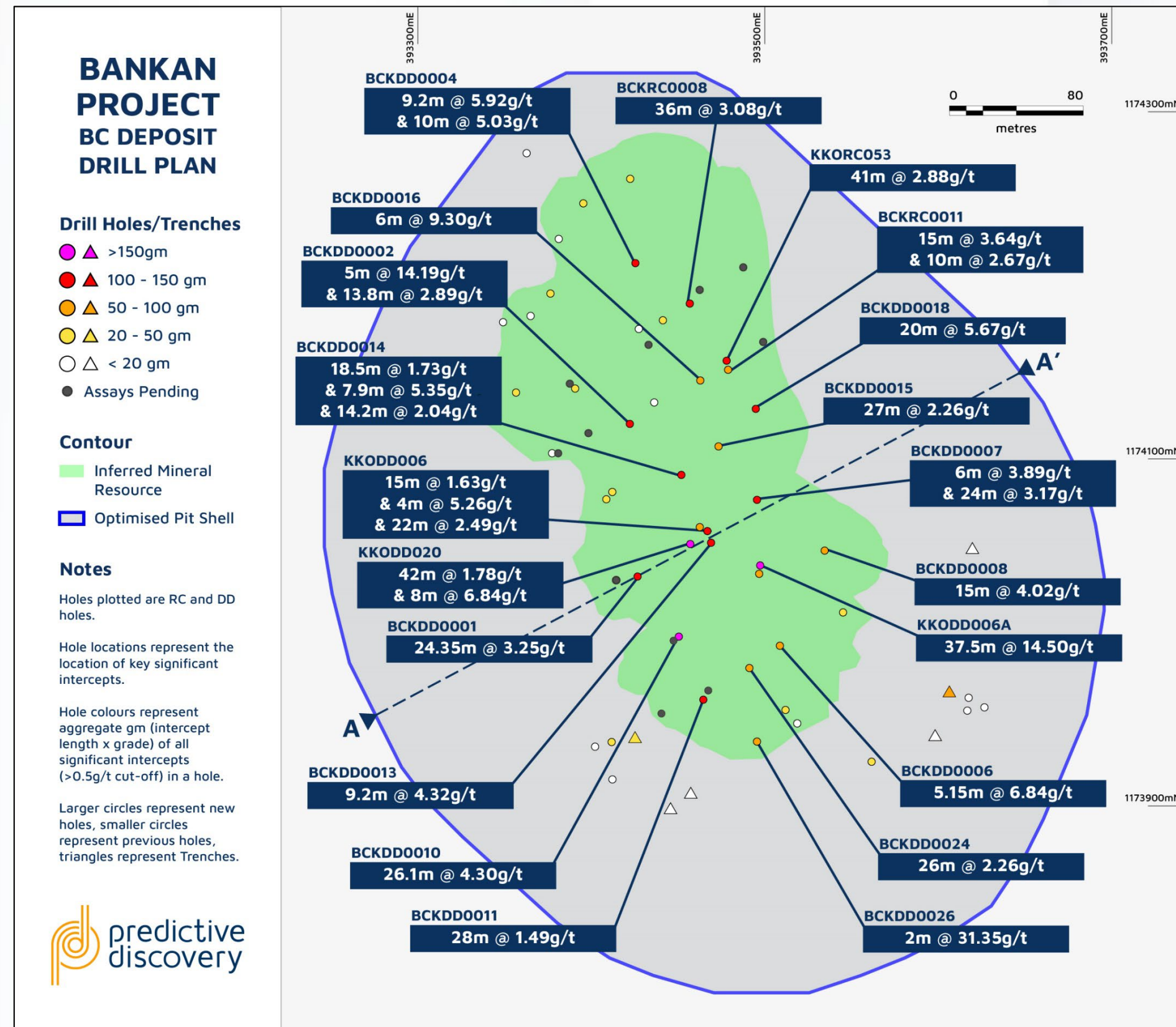
Deposit	Classification	Cut-off (g/t Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
NEB Open Pit	Indicated	0.5	42.7	1.27	1,747
	Inferred	0.5	24.7	2.23	1,768
	Total		67.4	1.62	3,515
NEB Underground	Inferred	2.0	2.2	4.75	335
NEB Total			69.6	1.72	3,850
BC Open Pit	Inferred	0.5	7.2	1.42	331
Total Bankan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

Refer to notes in Appendix



BC deposit

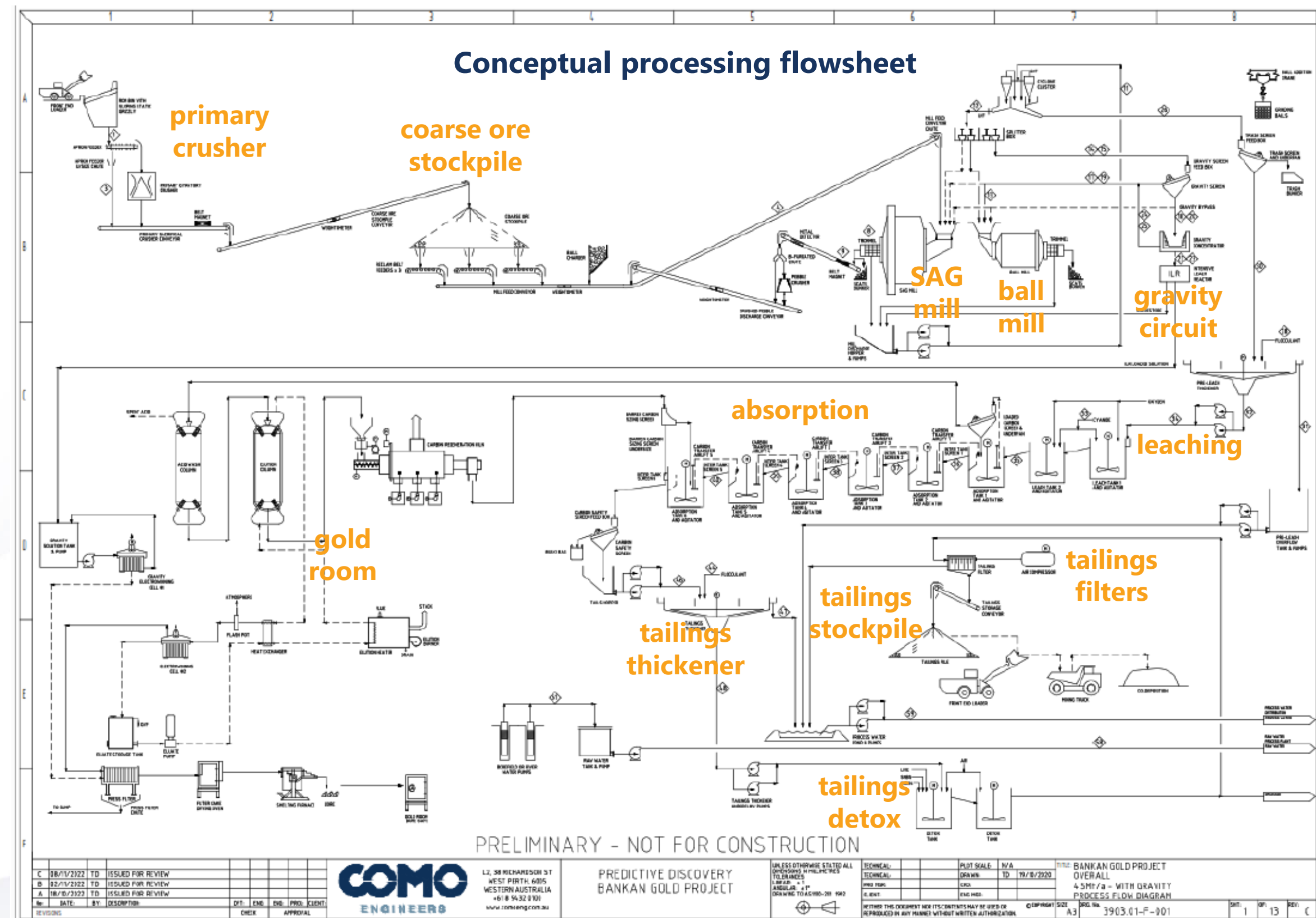
331Koz only 3km west of NEB, with upside potential



- Re-logging and geological re-interpretation completed
- Additional resource definition drilling completed ahead of the Q3 2023 Mineral Resource update

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





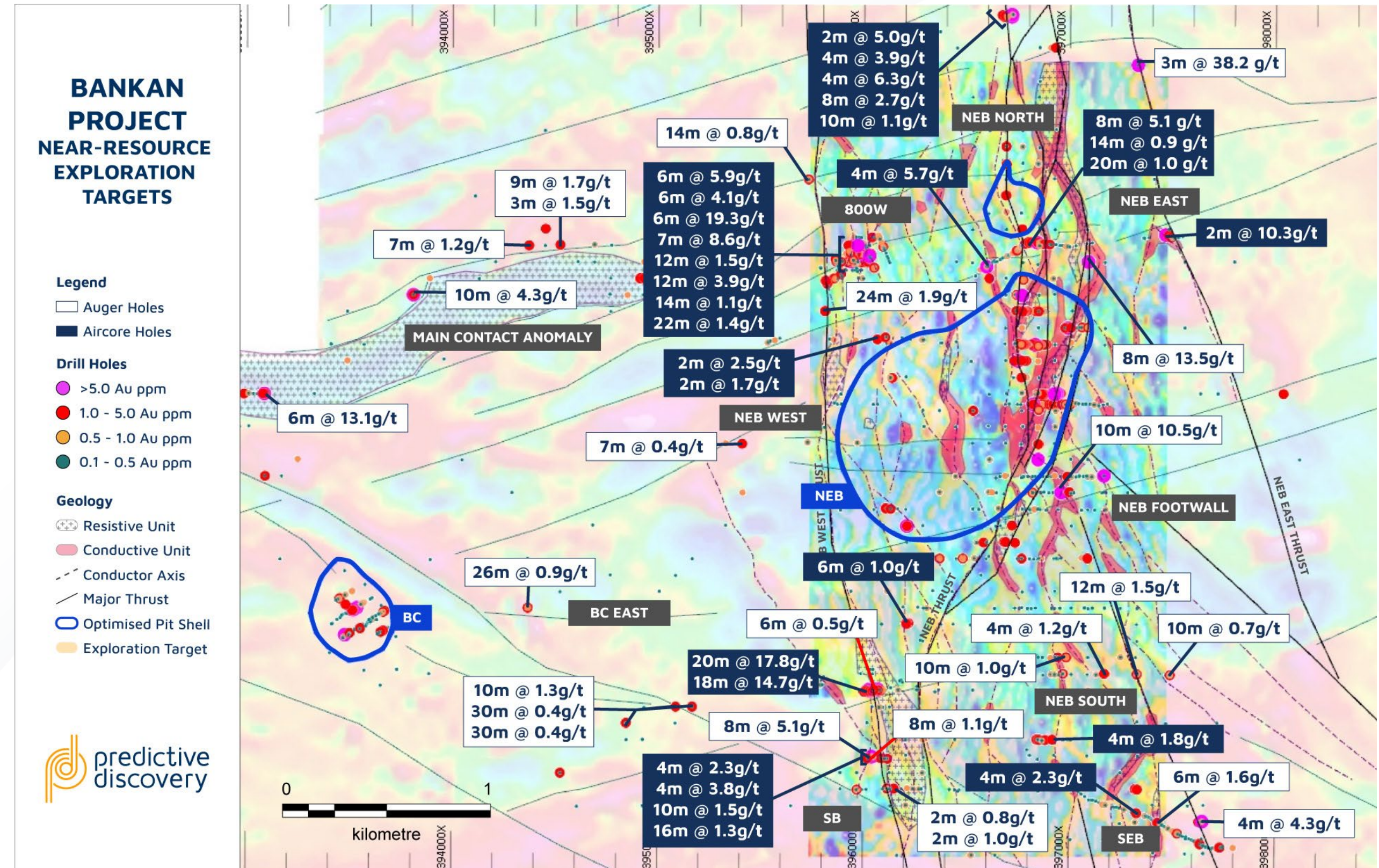
Seeking to prove up
the full potential of
the Bankan permits

Near-Resource & Regional Exploration

Near-resource potential

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

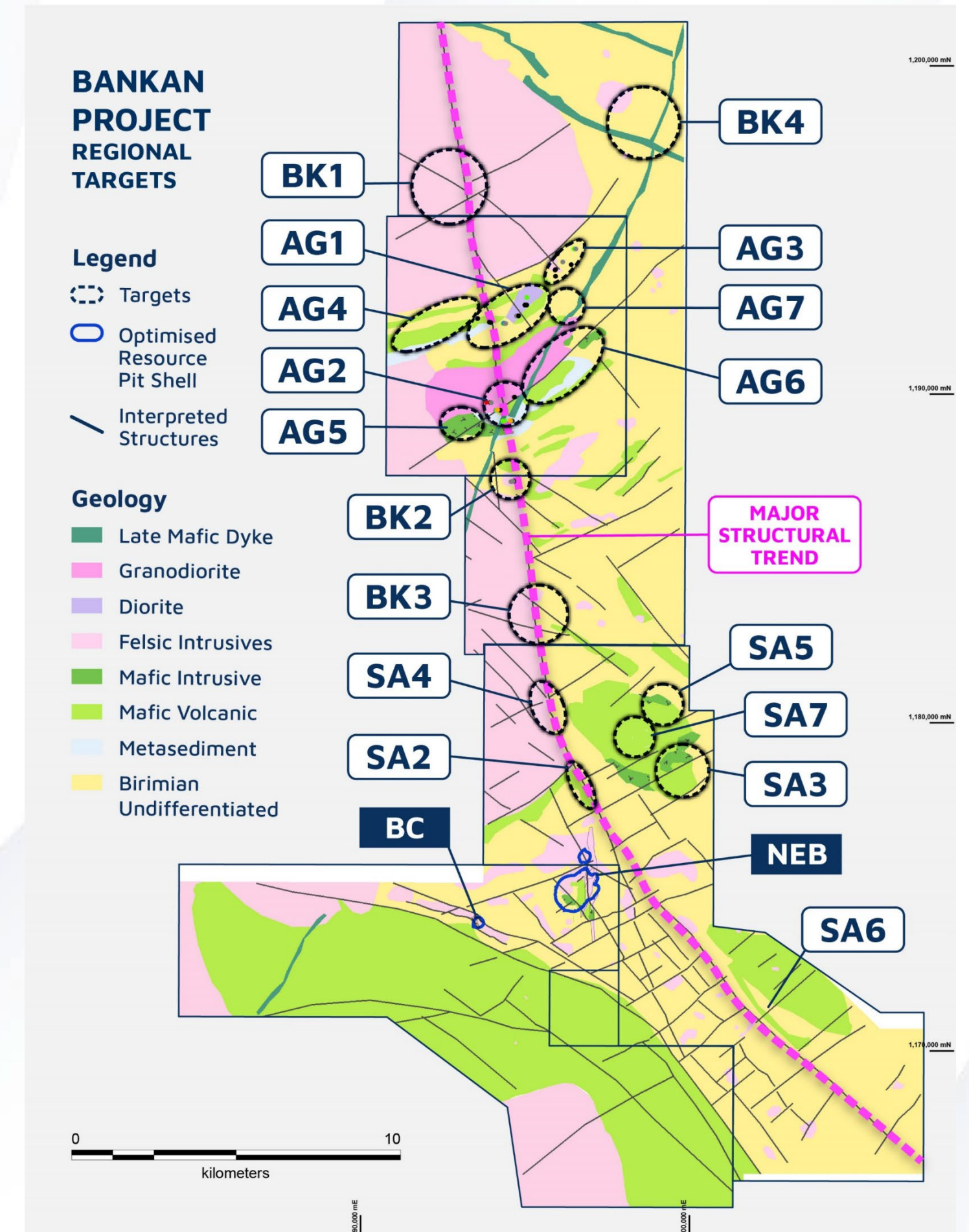
- Shallow drilling (auger & aircore) results confirm the extent of gold mineralisation in the NEB & BC region
- Target areas confirmed by recent geophysics program – excellent induced polarisation results
- Programs designed to deliver additional resource ounces in close proximity to both ore deposits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



Regional potential

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

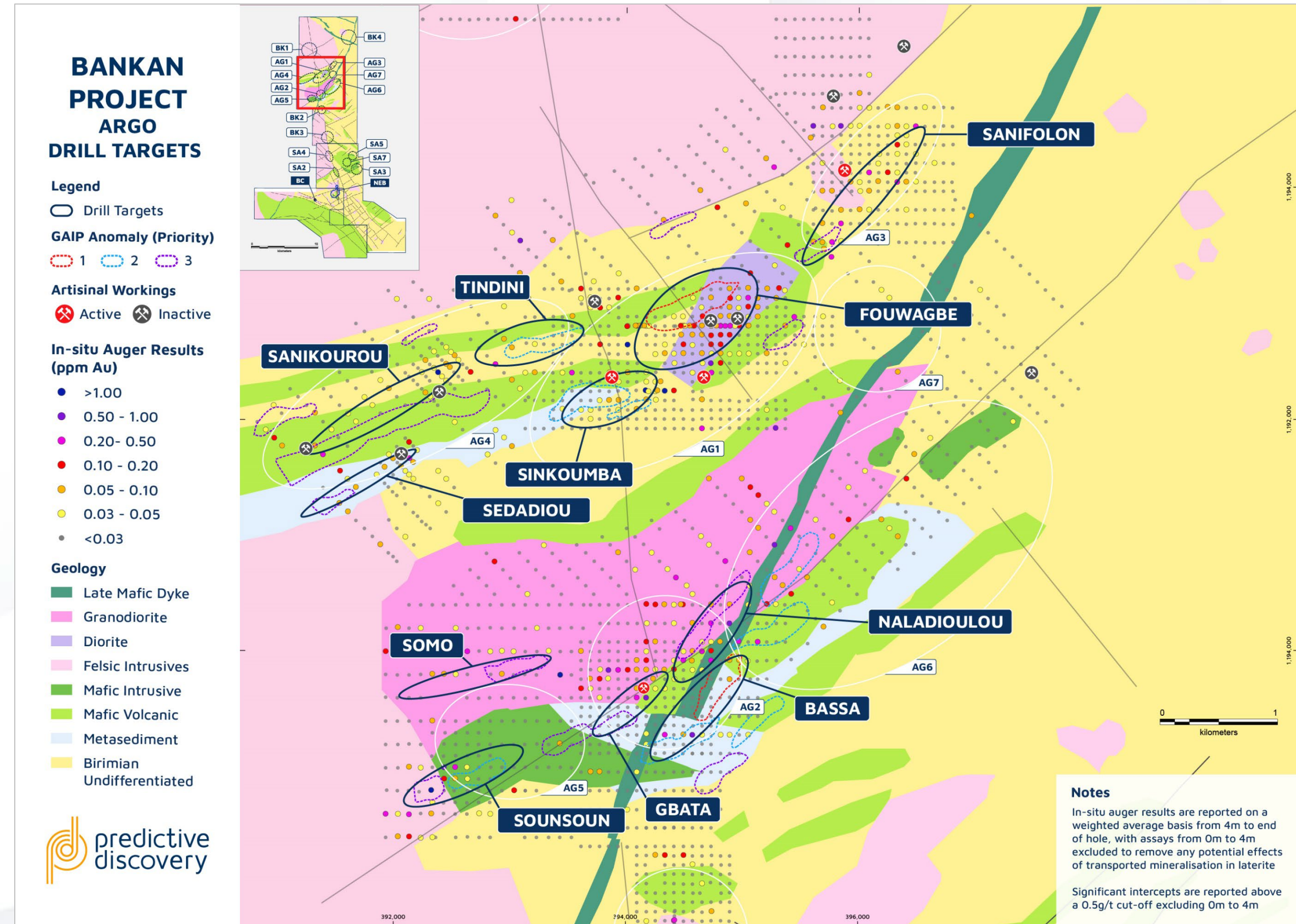
- Exploration team strengthened in late 2022 to drive regional programs
- Significant exploration upside exists
- Bankan sits atop a basin-margin gold bearing super-structure
- Three main areas of interest along that structure:
 - Bankan intrusive complex
 - Saman intrusive complex
 - Argo intrusive complex
- Many high-quality targets delineated and being explored during 2023
- Initial focus on Argo – 11 drill targets being tested with RC drilling

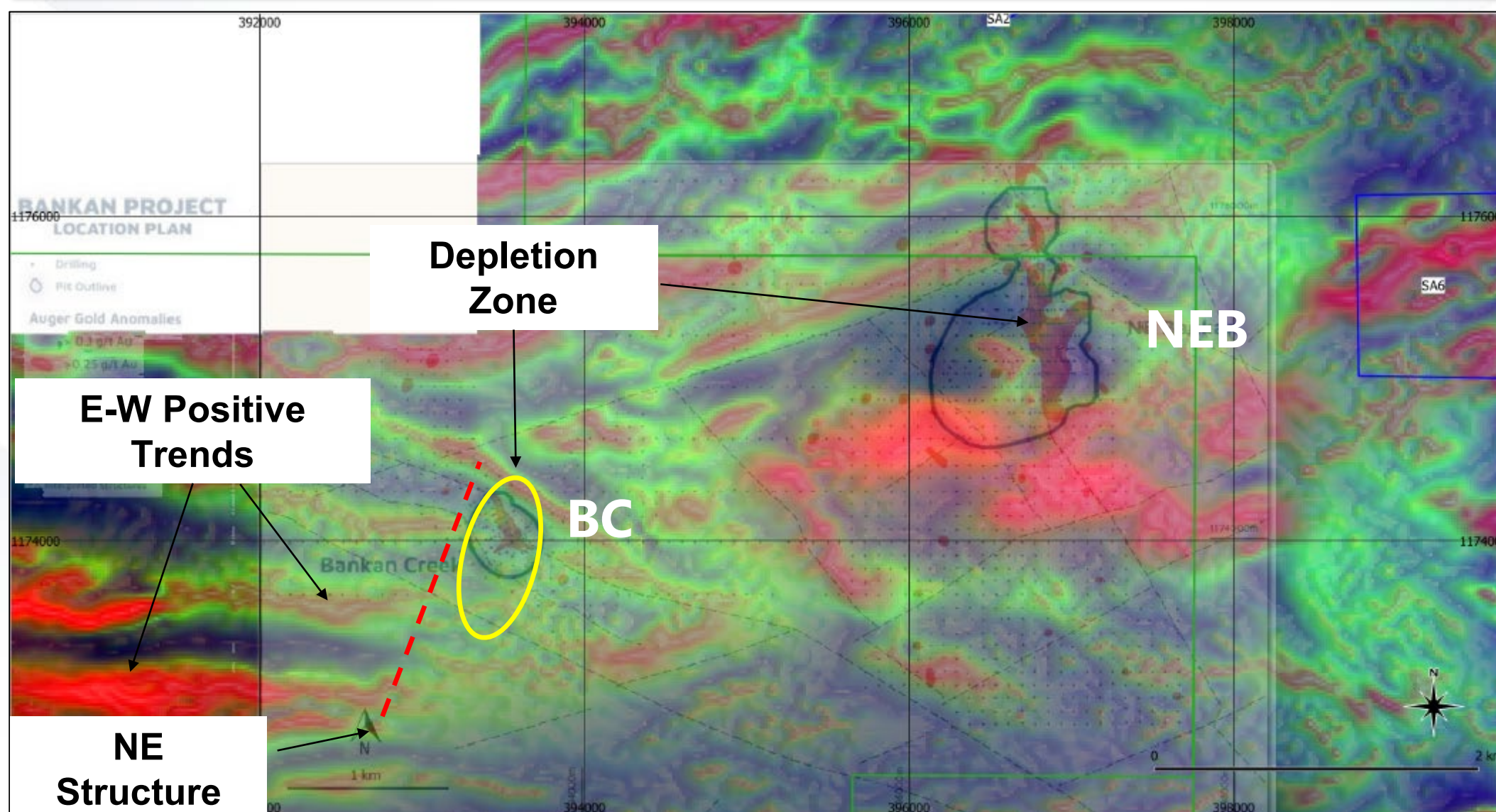
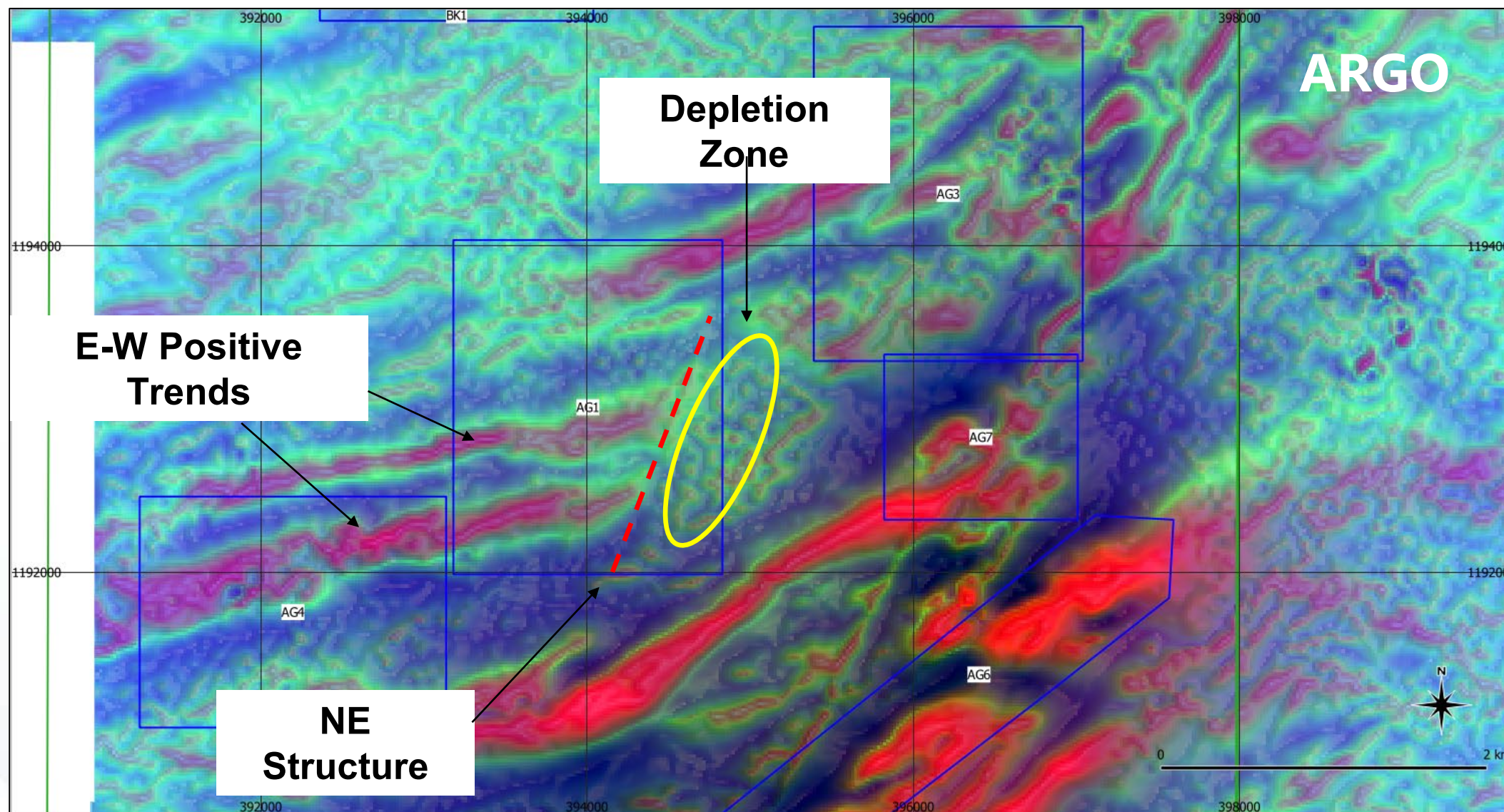


Argo exploration update

RC drilling underway to test 11 drill targets

- Attractive geological setting and potential for additional large-scale discoveries
- Numerous active and historical artisanal workings
- Significant early-stage exploration completed in the last 6 months
 - Extensive auger geochemistry drilling – gold and multi-element analysis
 - 182 line km of gradient array IP ("GAIP") and 10 line km of pole-dipole IP ("P-DIP")
 - Regional scale gravity survey (including Argo)
 - Reprocessing of previous geophysics survey data
- 11 targets identified for RC drilling, including five priority 1 targets
- RC drilling commenced in June 2023





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
- 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

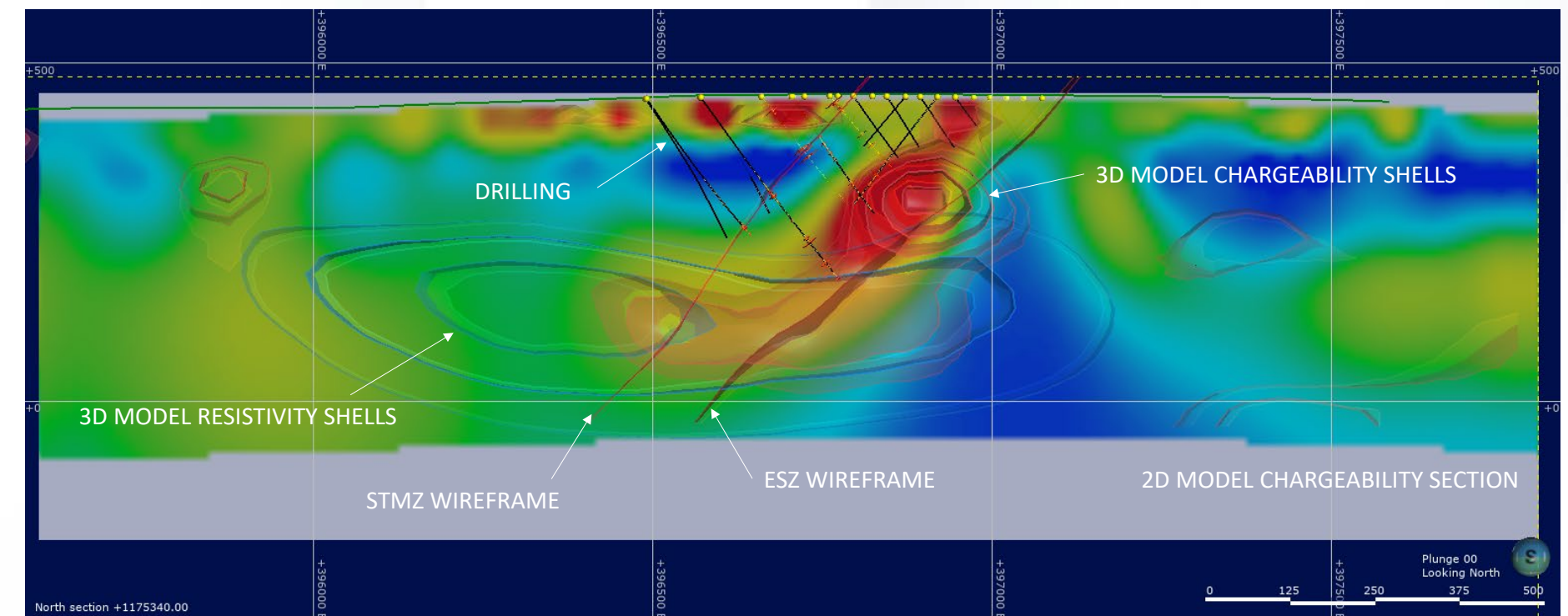
Argo induced polarisation results

Multiple anomalies identified from IP surveys

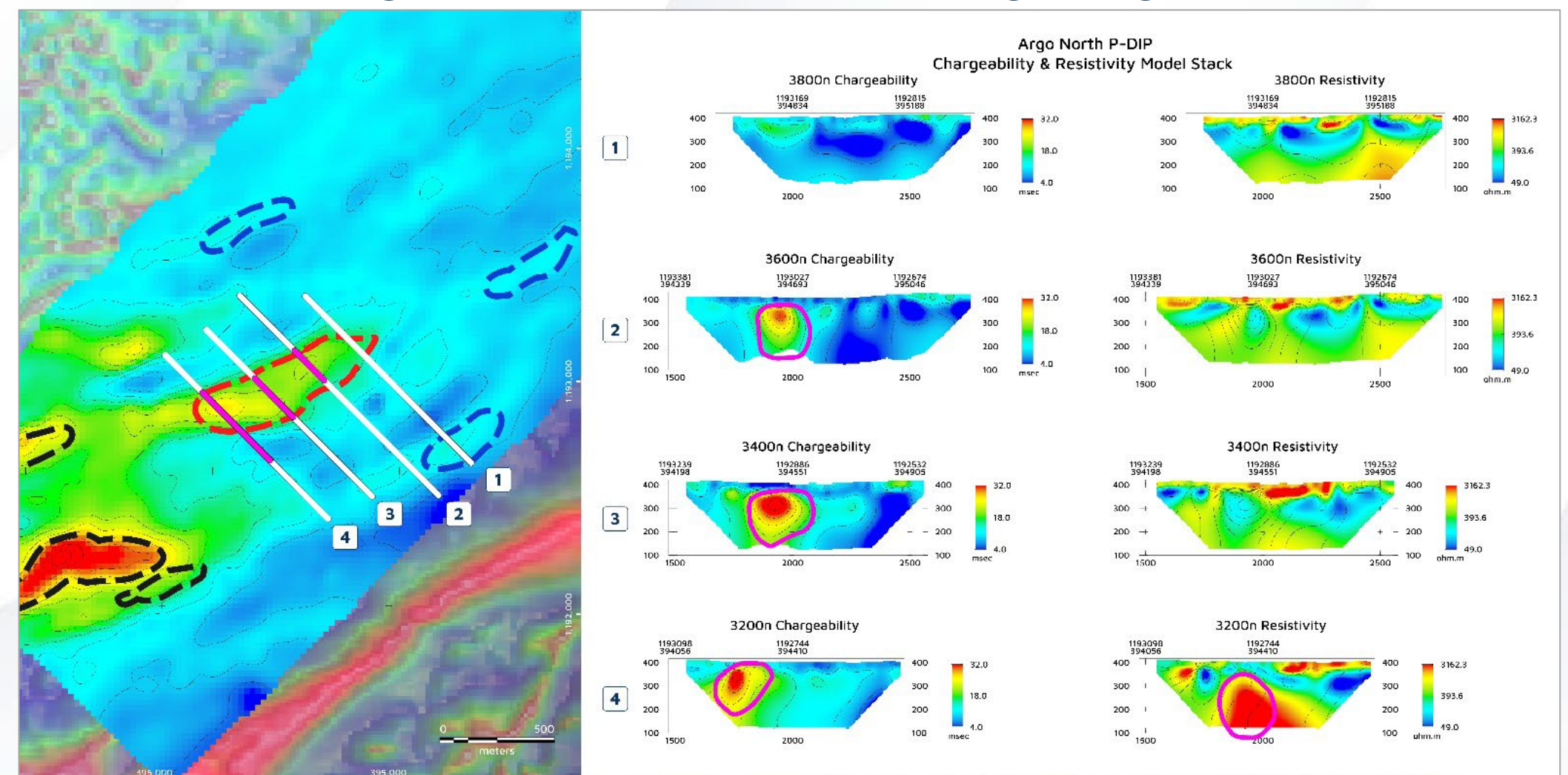
- Highly successful IP trial conducted over NEB in 2022
 - NEB mapped over ~500m in the near surface (using GAIP) and to an IP detection depth of ~400m (using P-DIP)
- Extensive IP program completed at Argo:
 - 182 line km of GAIP surveys
 - 10 line km of P-DIP surveys

- 23 surface anomalies identified through GAIP surveys
- P-DIP surveys tested depth extent of four key GAIP anomalies, illustrating anomalies extend to depth
- Key input into drill targeting at Argo, which identified 11 targets
- 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)



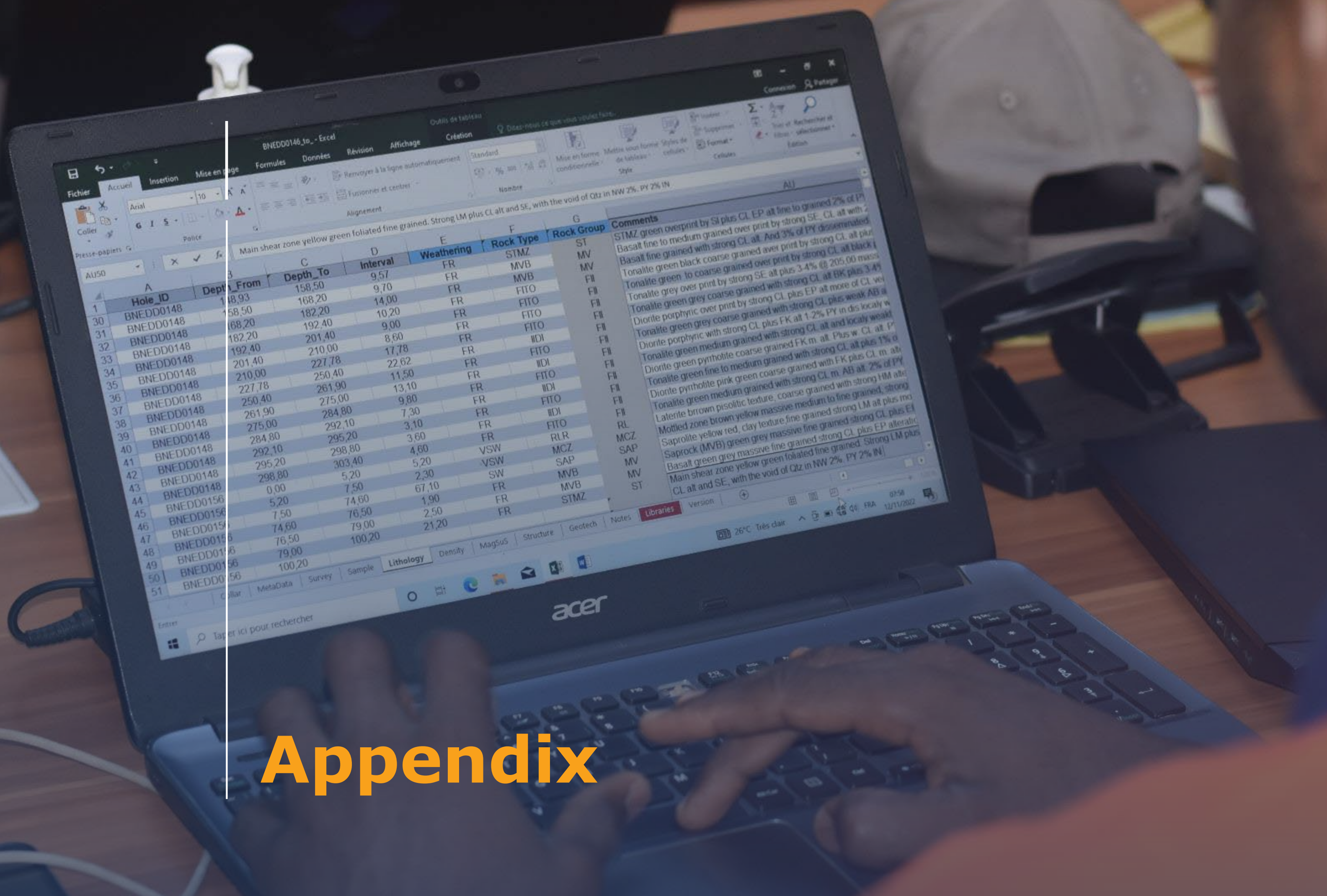
Argo GAIP and P-DIP results (Fouwagbe target)



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; RC drilling underway at Argo
- 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 EP all more of CL ve
37	250,40	261,90	13,10	FR	IDI	FI	Diorite porphyric over print by strong CL plus weak AB a
38	261,90	275,00	9,80	FR	FITO	FI	Diorite porphyric with strong CL plus FK alt 1-2% PY in ds locally w
39	275,00	284,80	7,30	FR	IDI	FI	Diorite green medium grained with strong CL alt and locally weakl
40	284,80	292,10	3,10	FR	FITO	FI	Tonalite green pyrrhotite coarse grained with strong CL alt plus 1% o
41	292,10	295,20	3,60	FR	RLR	FI	Diorite green fine to medium grained with FK plus CL m. alt
42	295,20	298,80	4,60	VSW	MCZ	RL	Tonalite green medium grained with strong CL m. AB alt 2% of PY
43	298,80	303,40	5,20	VSW	SAP	MV	Laterite brown pisolitic texture, coarse grained with strong HM alt
44	0,00	7,50	7,50	FR	MVB	MV	Mottled zone brown yellow massive fine grained strong LM alt plus mo
45	7,50	74,60	1,90	FR	MVB	MV	Saprolite yellow red, clay texture fine grained strong CL plus El
46	74,60	76,50	2,50	FR	MVB	MV	Saprock (MVB) green grey massive fine grained strong CL plus EP alterati
47	76,50	79,00	2,20	FR	MVB	MV	Basalt green grey massive fine grained strong CL plus EP alterati
48	79,00	100,20	21,20	FR	STMZ	ST	Main shear zone yellow green foliated fine grained Strong LM plus
49							CL alt and SE, with the void of Qtz in NW 2% PY 2% IN
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	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)

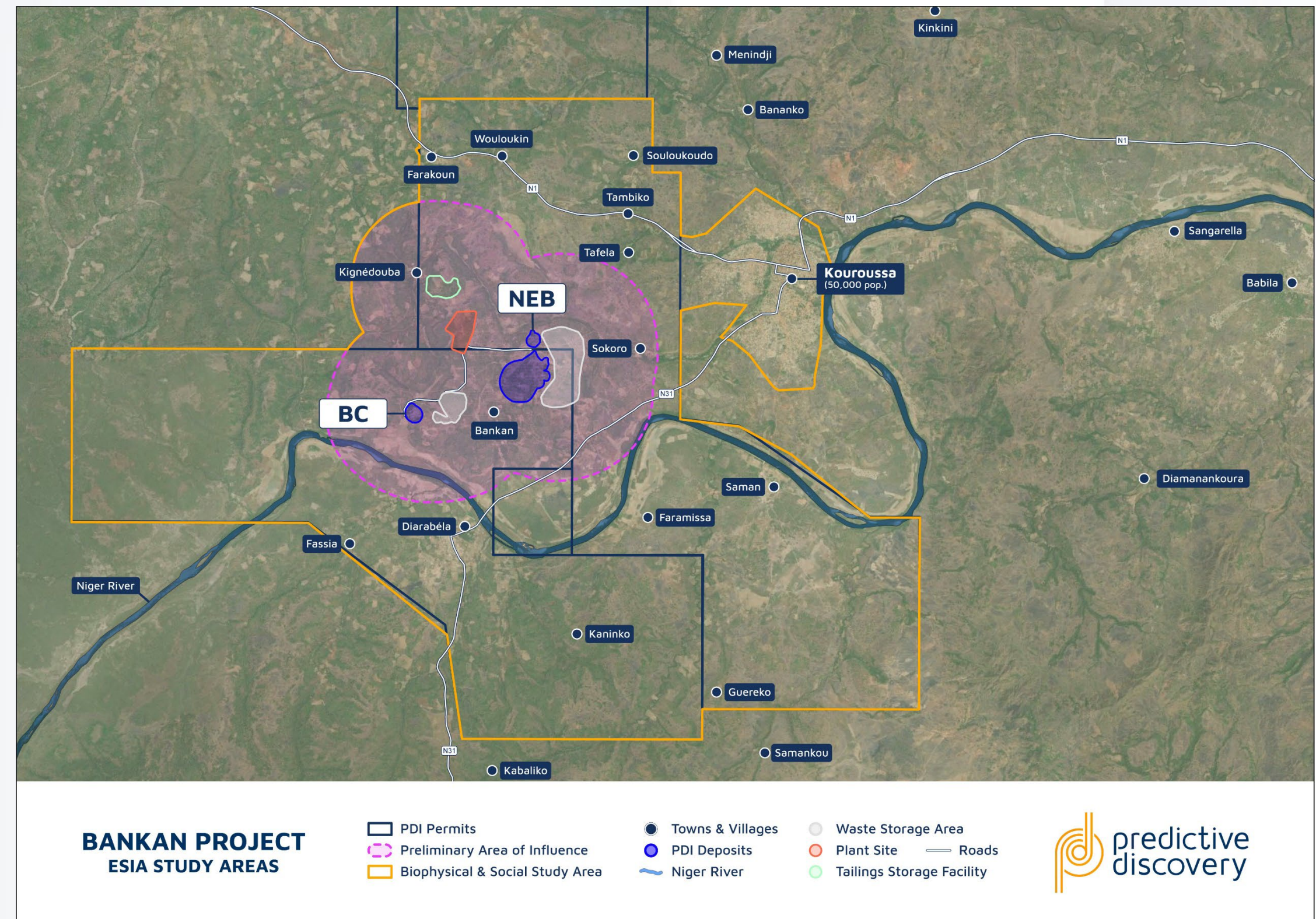
ESIA Study Components:

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

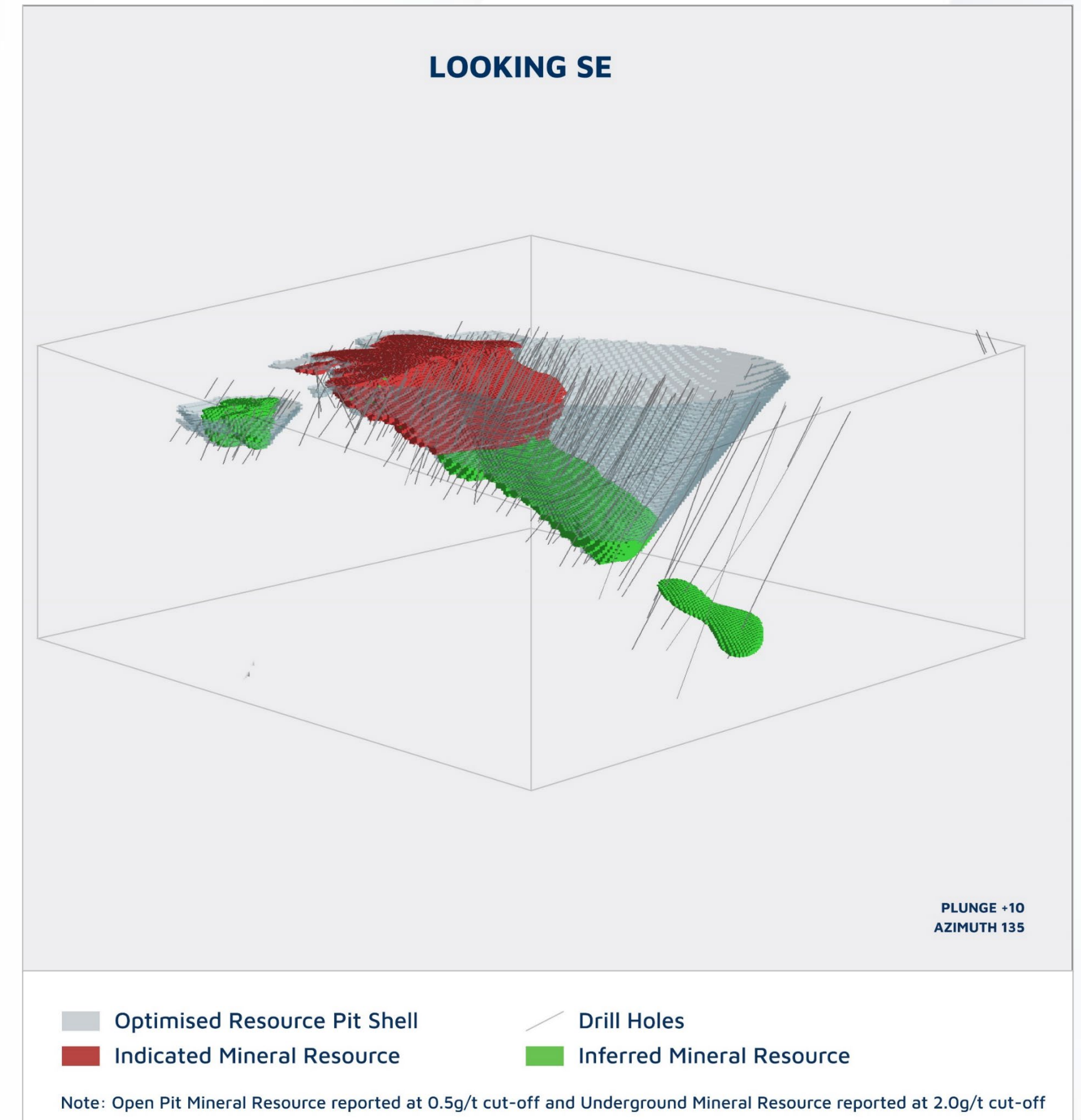
Deposit	Classification	Cut-off (g/t Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
NEB Open Pit	Indicated	0.5	42.7	1.27	1,747
	Inferred	0.5	24.7	2.23	1,768
	Total		67.4	1.62	3,515
NEB Underground	Inferred	2.0	2.2	4.75	335
NEB Total			69.6	1.72	3,850
BC Open Pit	Inferred	0.5	7.2	1.42	331
Total Bankan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

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

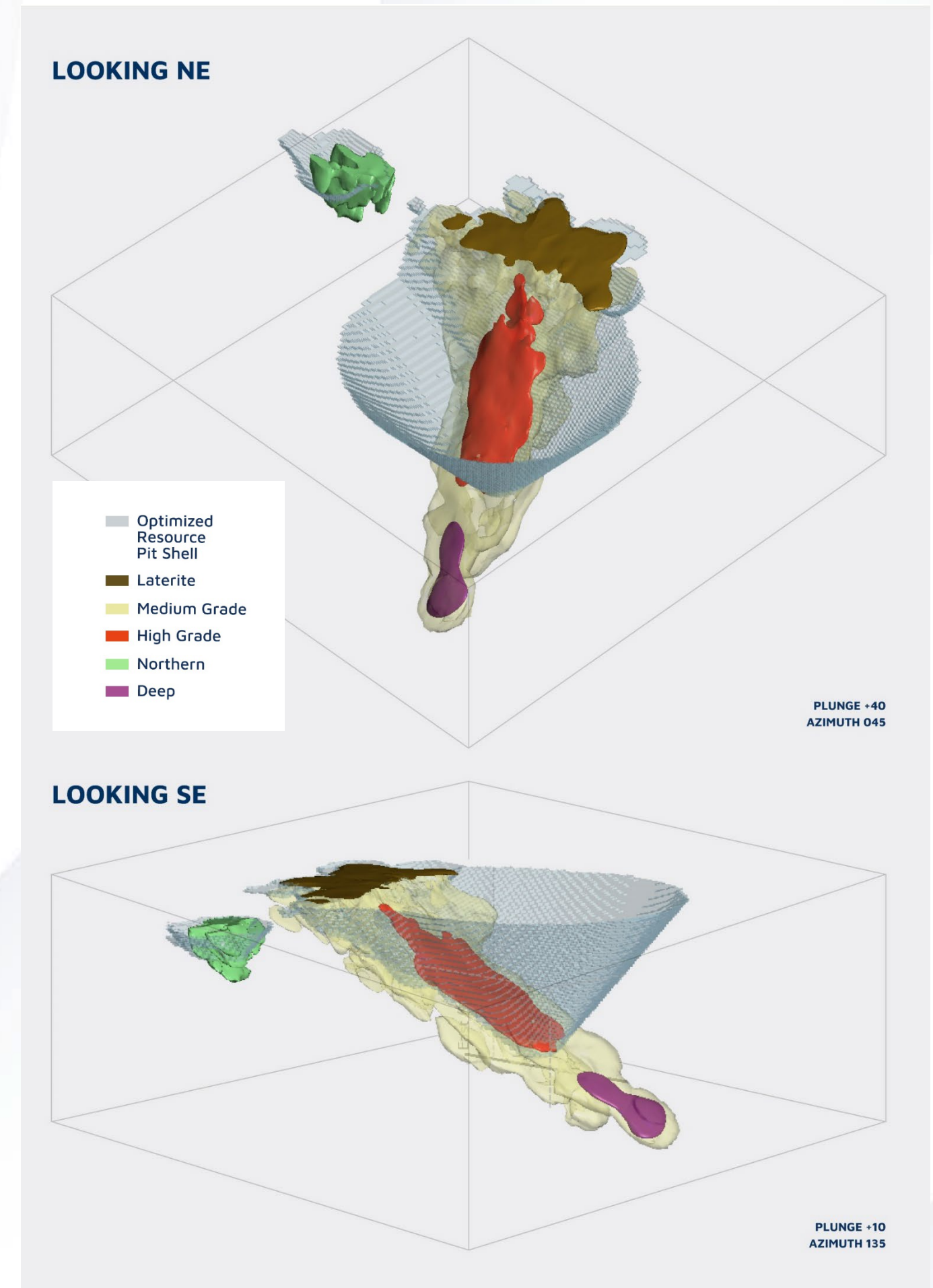
Type	Holes	Metres
RC	197	23,122m
DD or RC/DD	164	61,576m
Total	361	84,698m



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



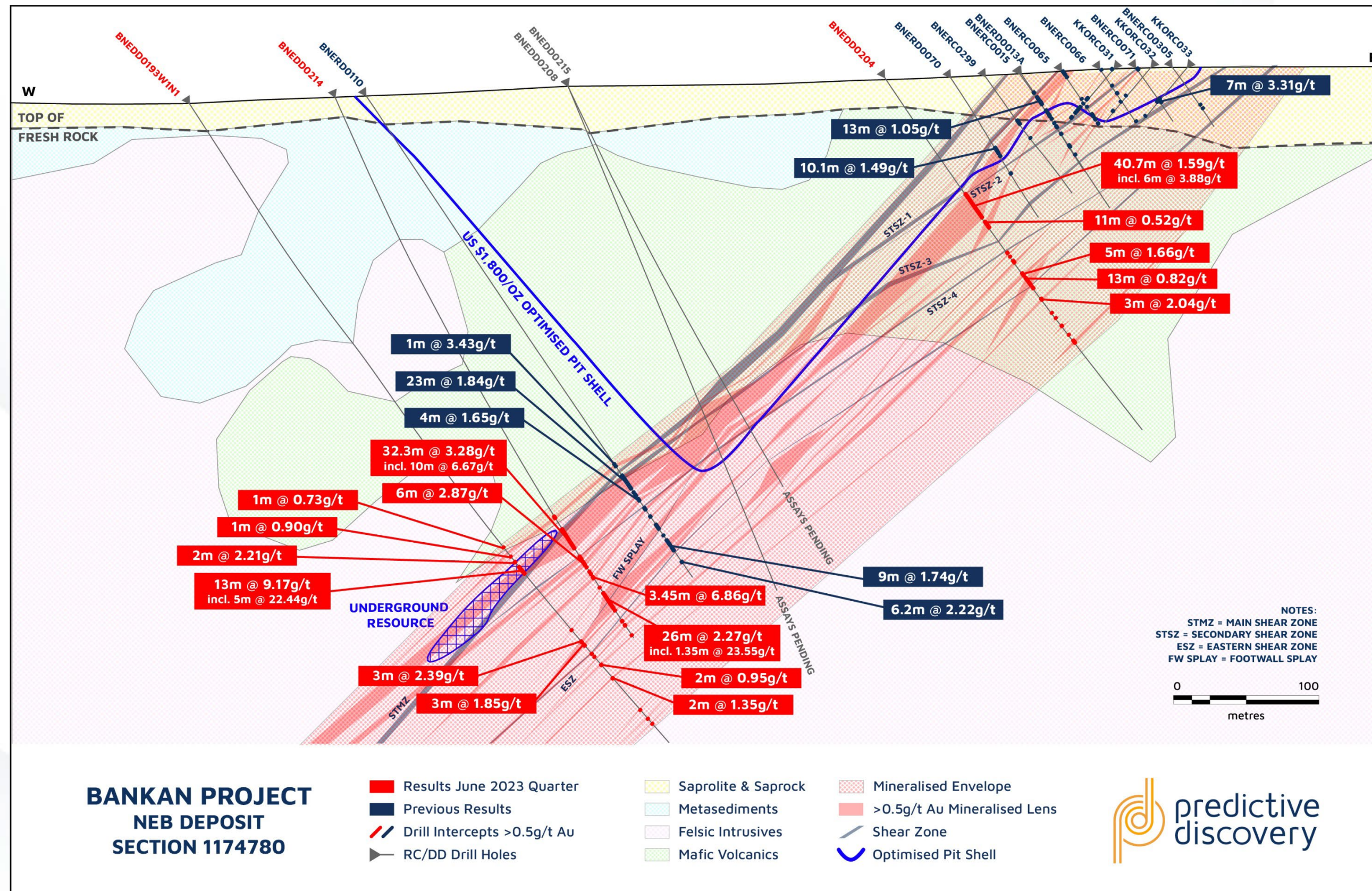
Bankan Project Mineral Resource

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

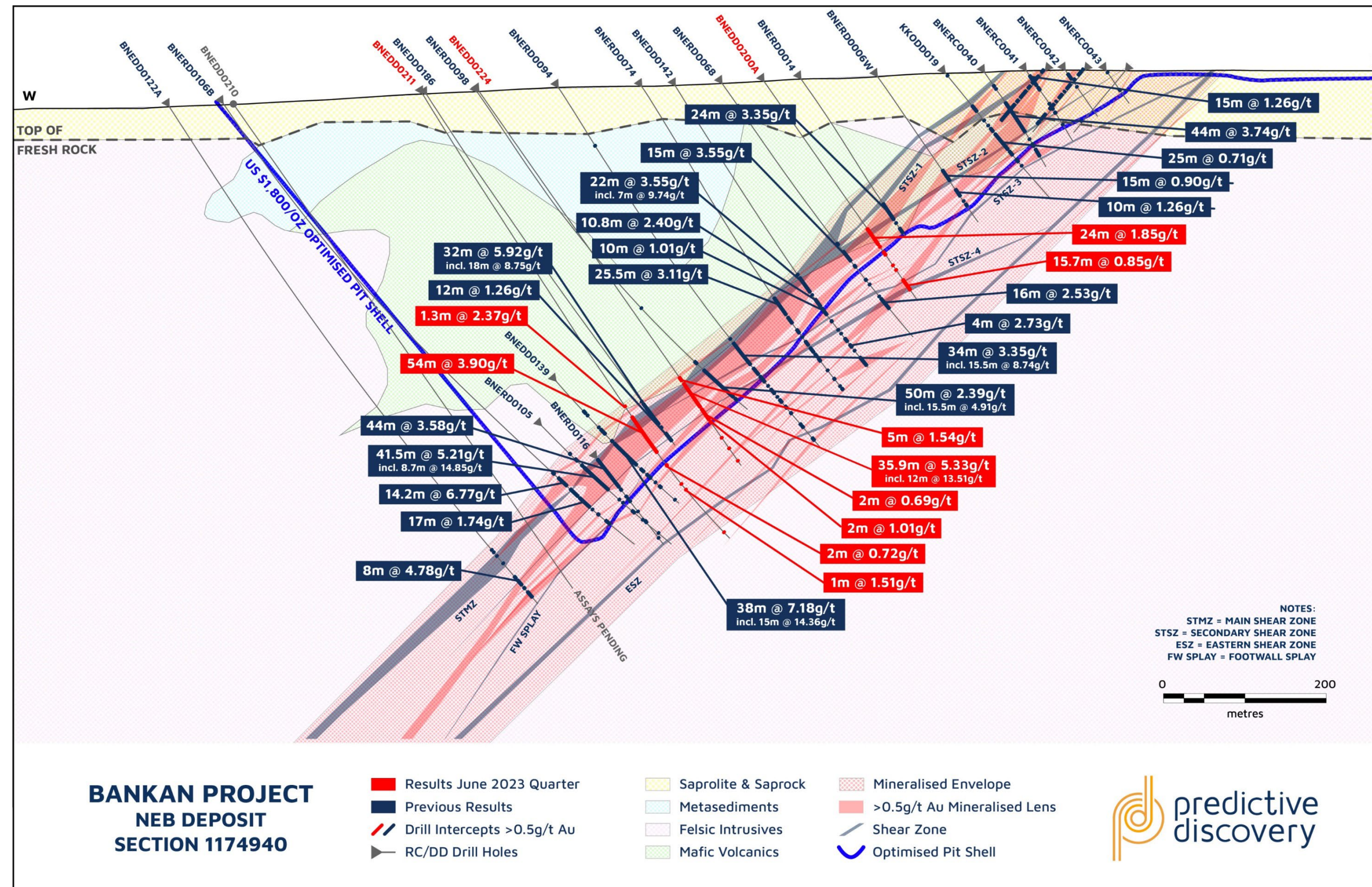
NEB cross section 1174780N

Highlights potential for incremental growth in the underground resource and into the footwall of the pit shell



NEB cross section 1174900N

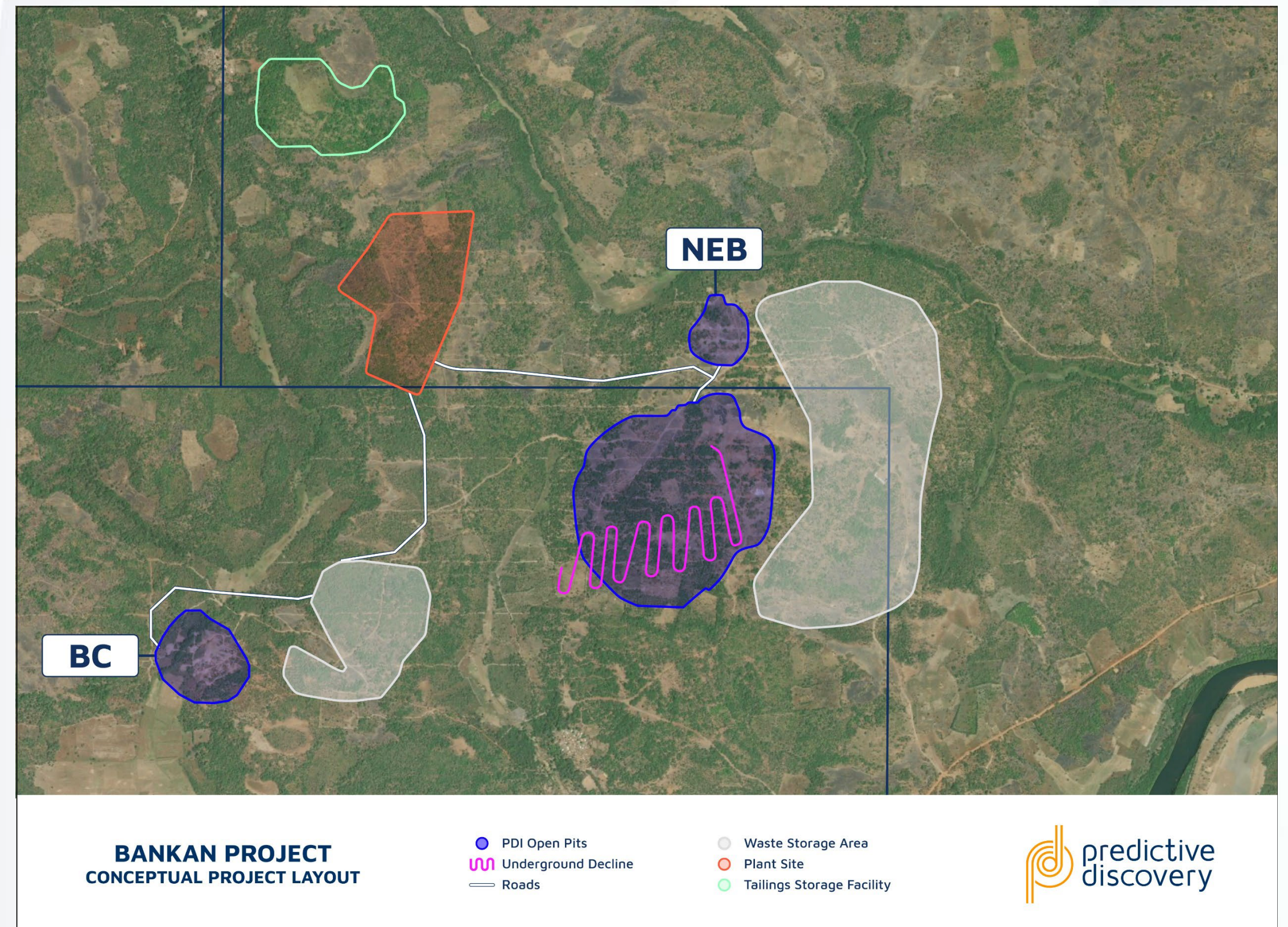
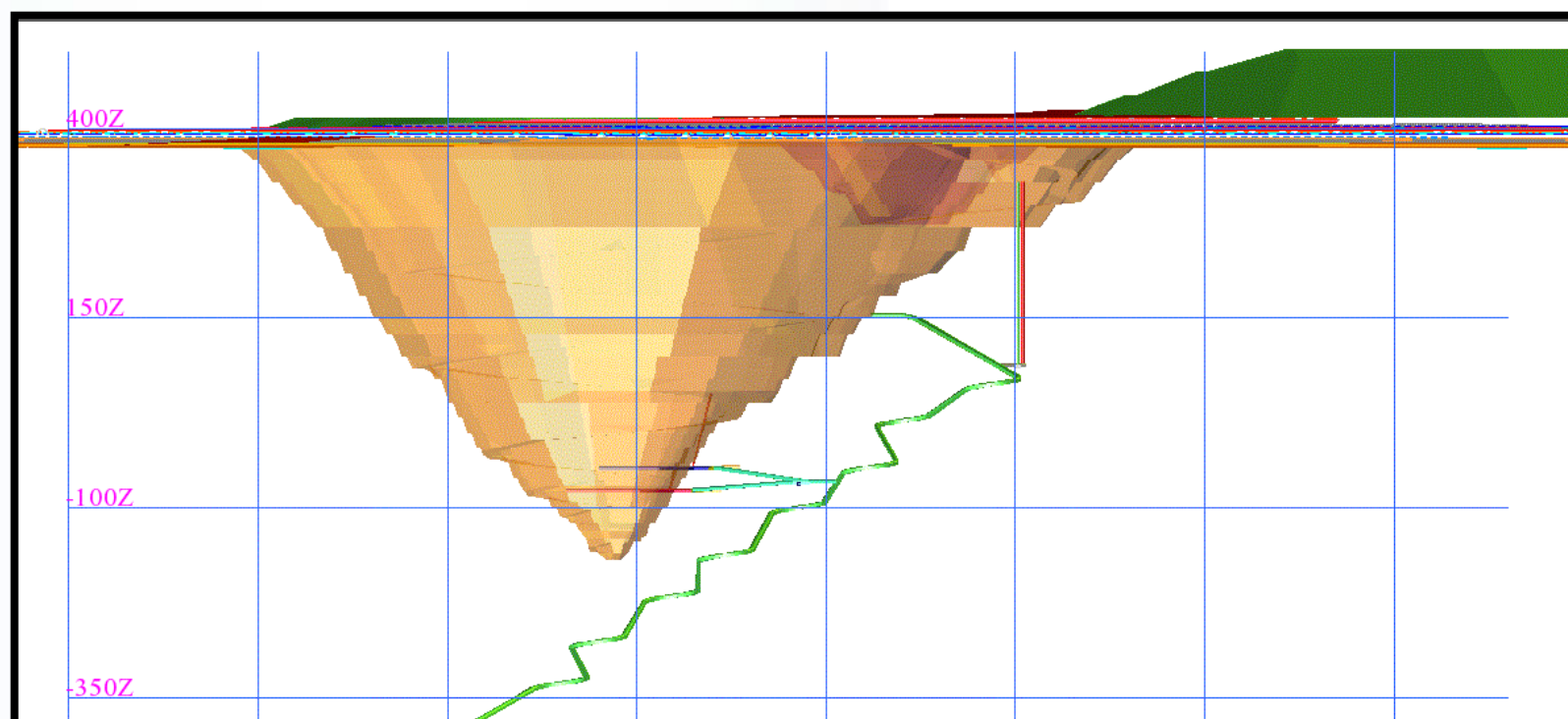
Consistent and high-grade results in the middle/lower part of the pit shell to support further upgrades to Indicated



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

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



predictive
discovery

For further information contact

BRAD MILNE

Corporate Development Manager

E: brad.milne@predictivediscovery.com

BOBBY MORSE / GEORGE POPE

Buchanan

E: predictive@buchanan.uk.com

T: +44 (0)20 7466 5000

ASX : PDI

| www.predictivediscovery.com