

SITE VISIT PRESENTATION

Predictive Discovery Limited (ASX:PDI) ("PDI" or the "Company") is hosting site visits at the Bankan Gold Project in Guinea during mid-March 2023. The site visits are being attended by brokers and large shareholders.

The enclosed presentation will be provided to site visit attendees, and covers:

- ESG and sustainability;
- Bankan geology and resources;
- Regional exploration;
- Scoping study update.

- END -

This announcement is authorised for release by PDI Managing Director, Andrew Pardey.

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West Africa's Next Tier-1 Gold Mine

ASX:PDI

Bankan Project
Site Visit

March 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 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.



Introduction

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\$312m*
- Sustainable development strategy with strong environmental and social focus
- Dual strategy to progress NEB/BC towards development and unlock 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

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

Management team

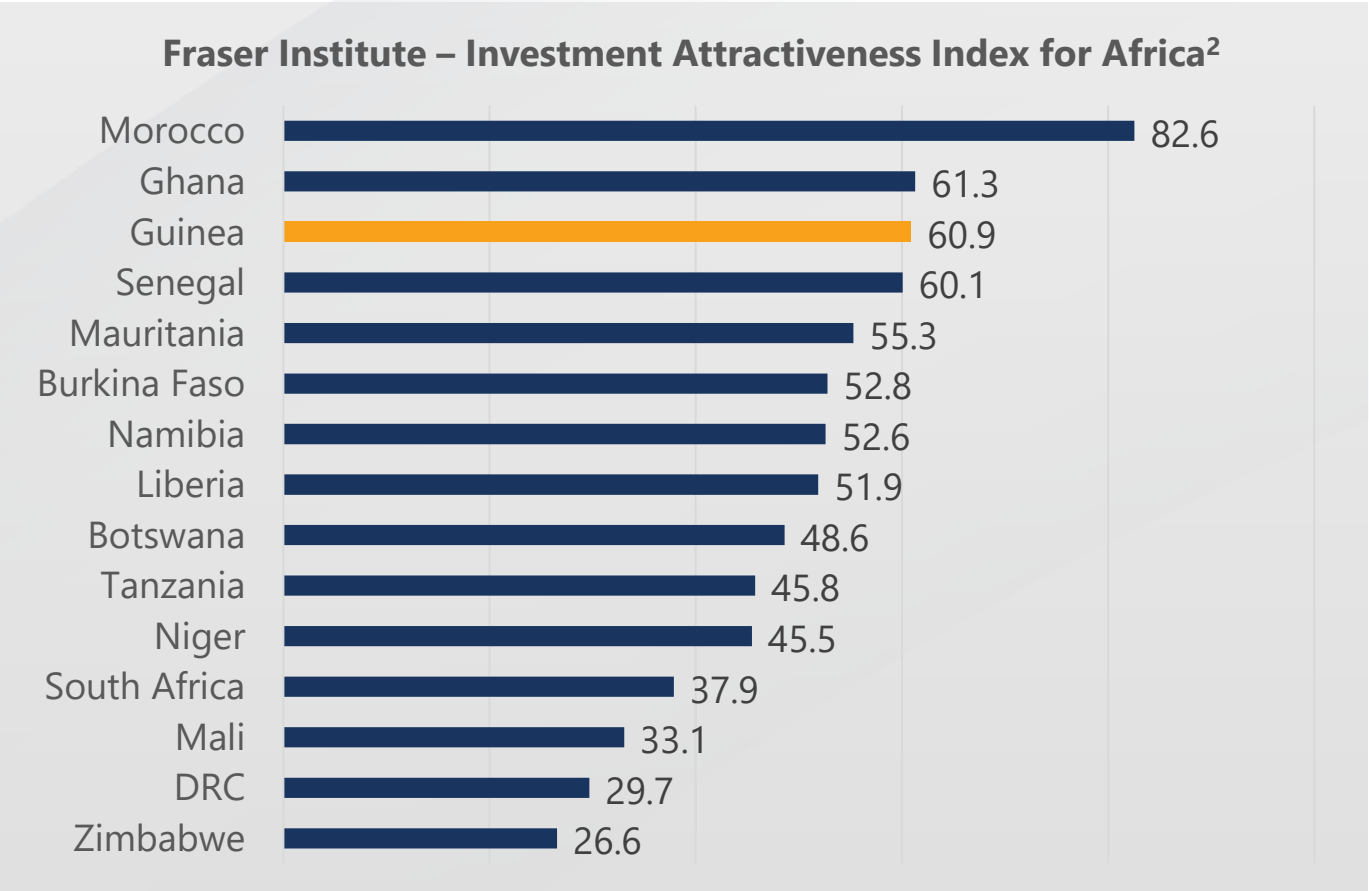
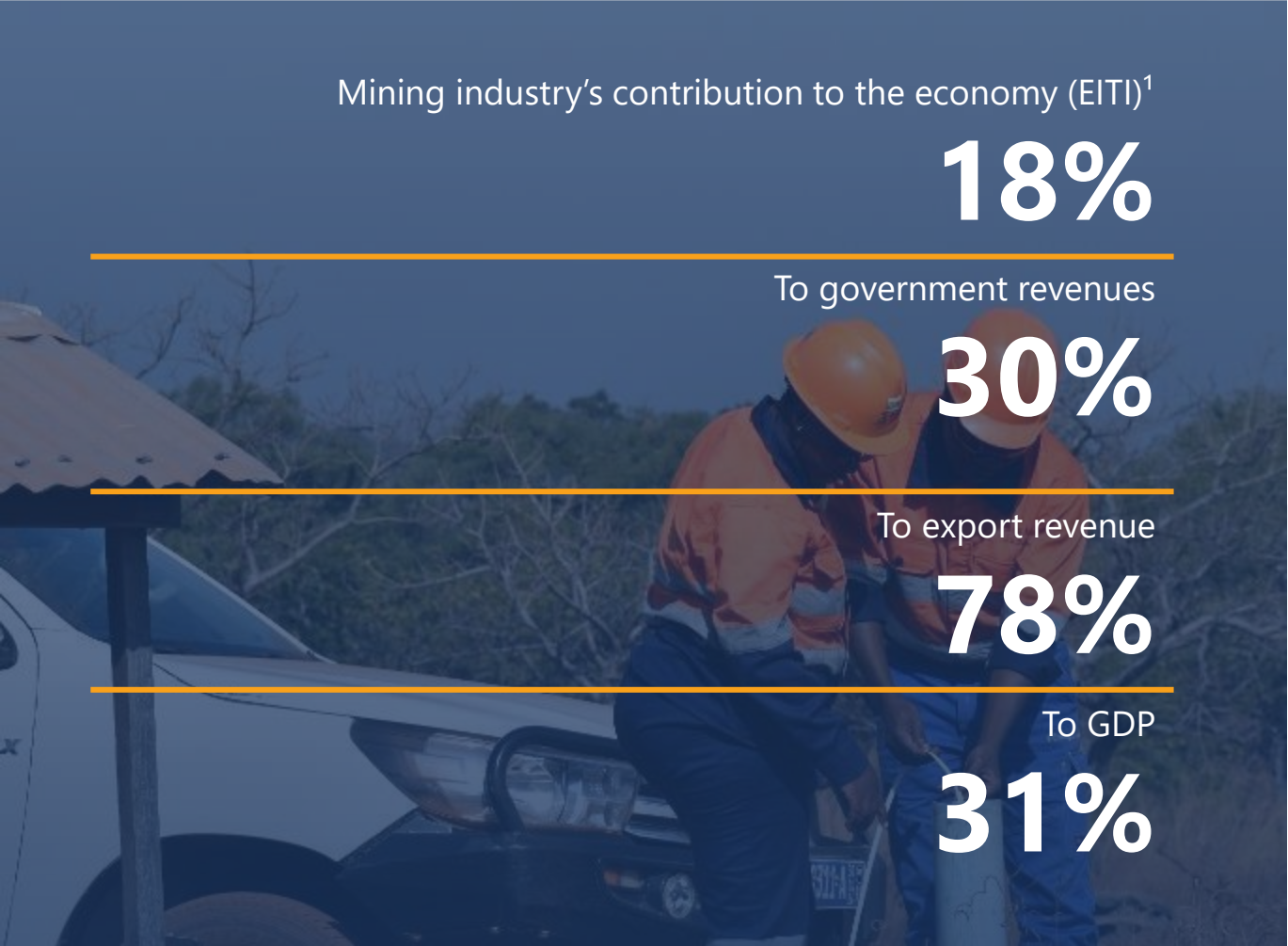
- The right Management Team to build & operate the mine
- Strong track record of building out resource bases and putting mines into production
- Strategy in place to increase Bankan resource and develop into a mine

*Market capitalisation as at 10 March 2023

About Guinea

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

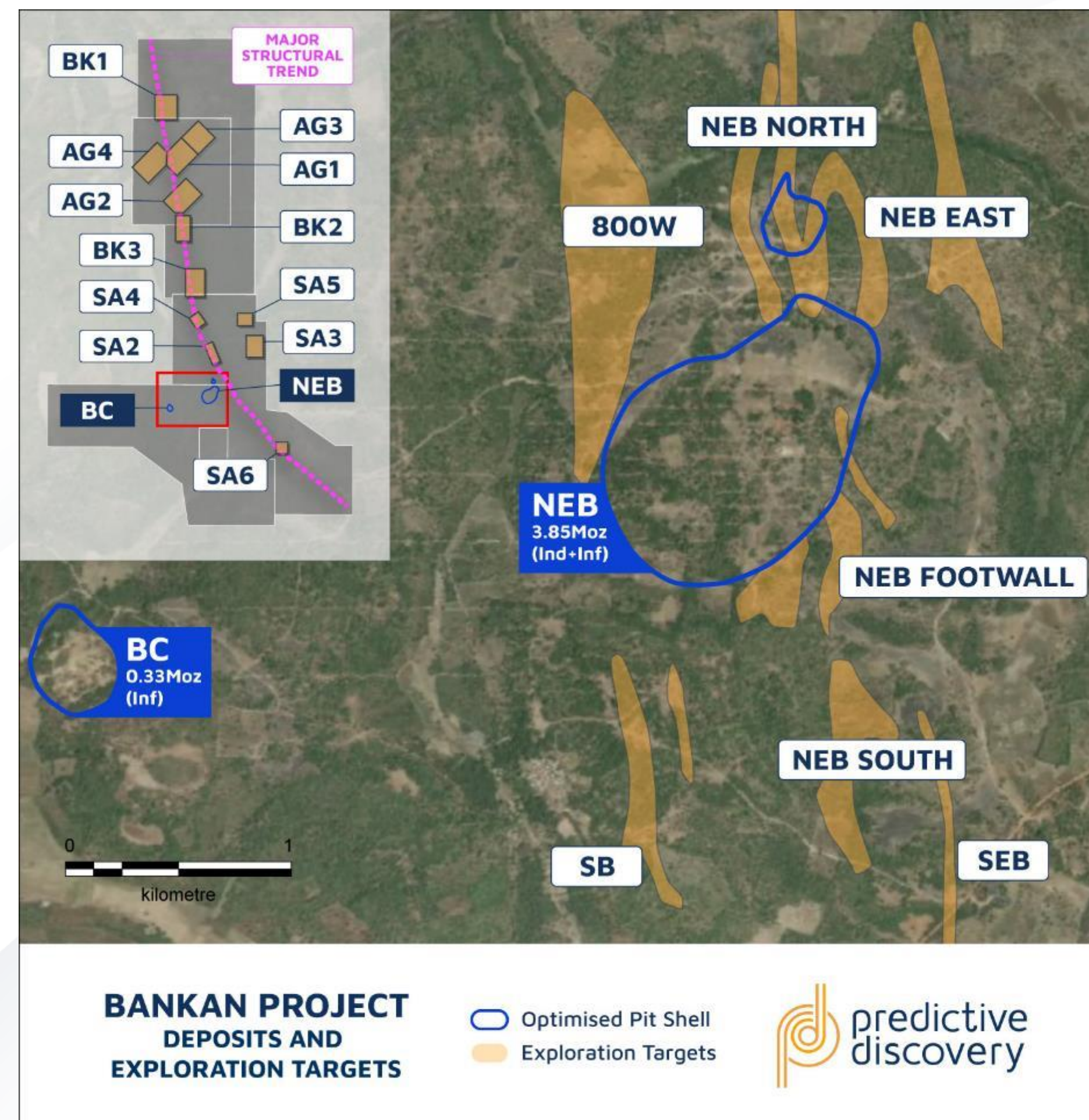
- **Established mining code & fiscal regime**
 - Royalty of 5% plus a 1% contribution to local Development
 - Corporate tax rate of 30%
 - State entitled to 15% free carry
 - Advanced and robust environmental management expectations
- **Stable and mature mining jurisdiction**
 - Low security risk, uninterrupted 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



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:
 - **NEB:** 3.85Moz @ 1.72g/t (Ind & Inf)
 - **BC:** 0.33Moz @ 1.43g/t (Inf)
- Extensive drilling program ongoing to grow and upgrade gold resources
- 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



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						★			

A man wearing a blue plaid shirt and a white baseball cap is shown from the side, focused on measuring the diameter of a tree trunk. He is using a black diameter tape. The background is a lush forest with green foliage and brown tree trunks. The image has a blue tint overlay.

Our pathway through
permitting and beyond

ESG and Sustainability

Our pathway through permitting and beyond

Committed to developing the Bankan project in a safe and responsible way

Our purpose

is to deliver long-term value to our stakeholders.

Through the sustainable development of the Bankan Gold Project into a Tier 1 mine and identification and development of other deposits, PDI will deliver for our shareholders, employees, local communities and the Government of Guinea.

We understand that we have an important role to play within our local communities and within Guinea as well as in returning value to our shareholders.

Our purpose directs our decisions and actions and shapes the Company's culture and strategy.

Our values

- Respect
- Teamwork
- Excellence

Our objectives

1. Enable the successful development of the Bankan Project by delivering robust, IFC Performance Standards aligned Environmental & Social Impact Assessment ("ESIA")
2. Build relationships with all key national and local stakeholders that are grounded in acting with respect and integrity
3. Effectively manage the company's ESG risks and opportunities throughout lifecycle
4. Adopt good industry practice HSEC management systems and operating standards throughout operating life
5. Positively contribute to Guinea's socio-economic development plans

The Upper Niger National Park

Understanding our critical context

Located in Kouroussa Prefecture, Upper Guinea region (Siguiri Basin), the Bankan Gold resource is positioned in Buffer Zone 2 of Upper Guinea National Park (Parc Nationale Haut Niger – “PNHN”)

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

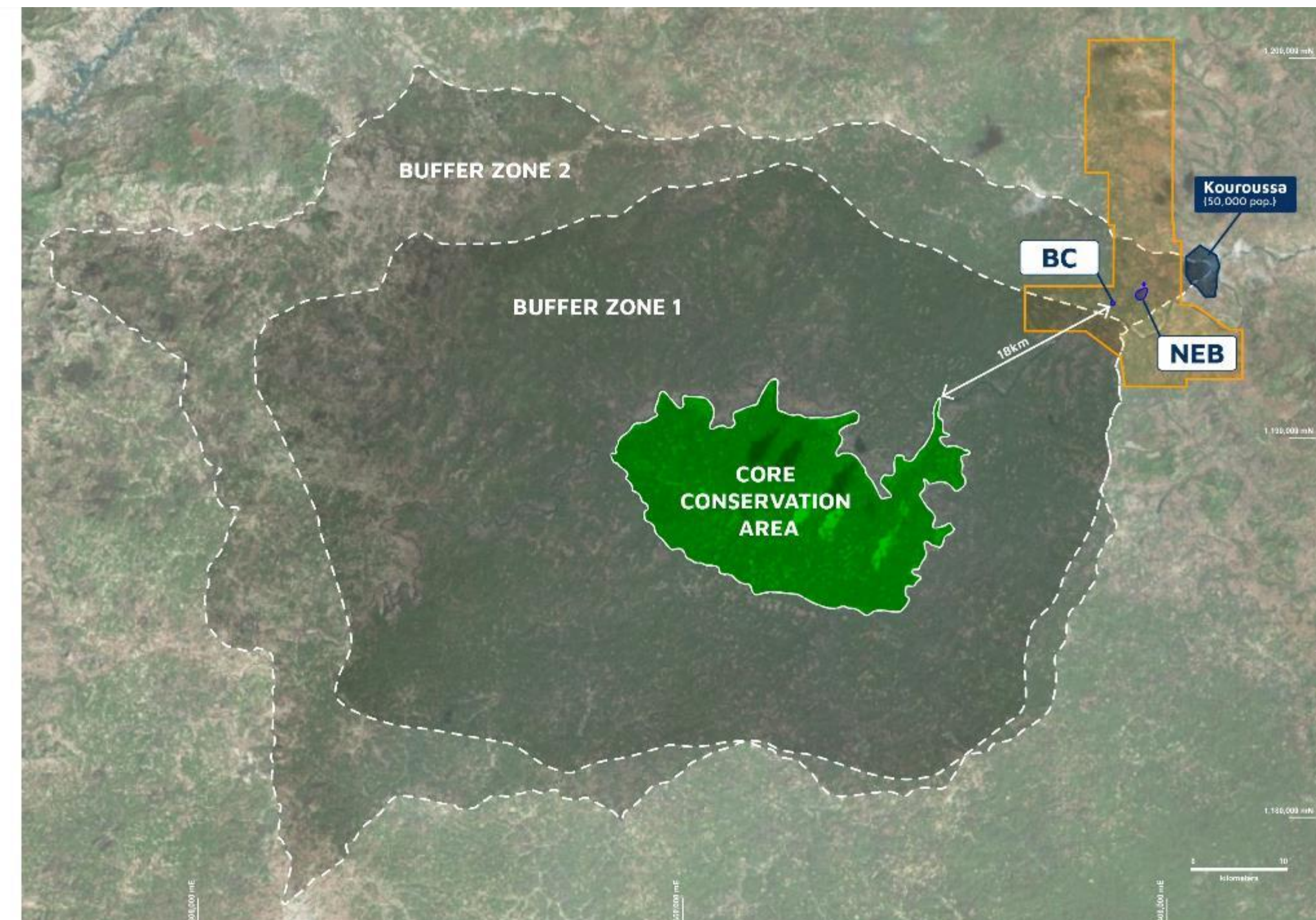
PDI will support the PNHN by:

- 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 PS & 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.



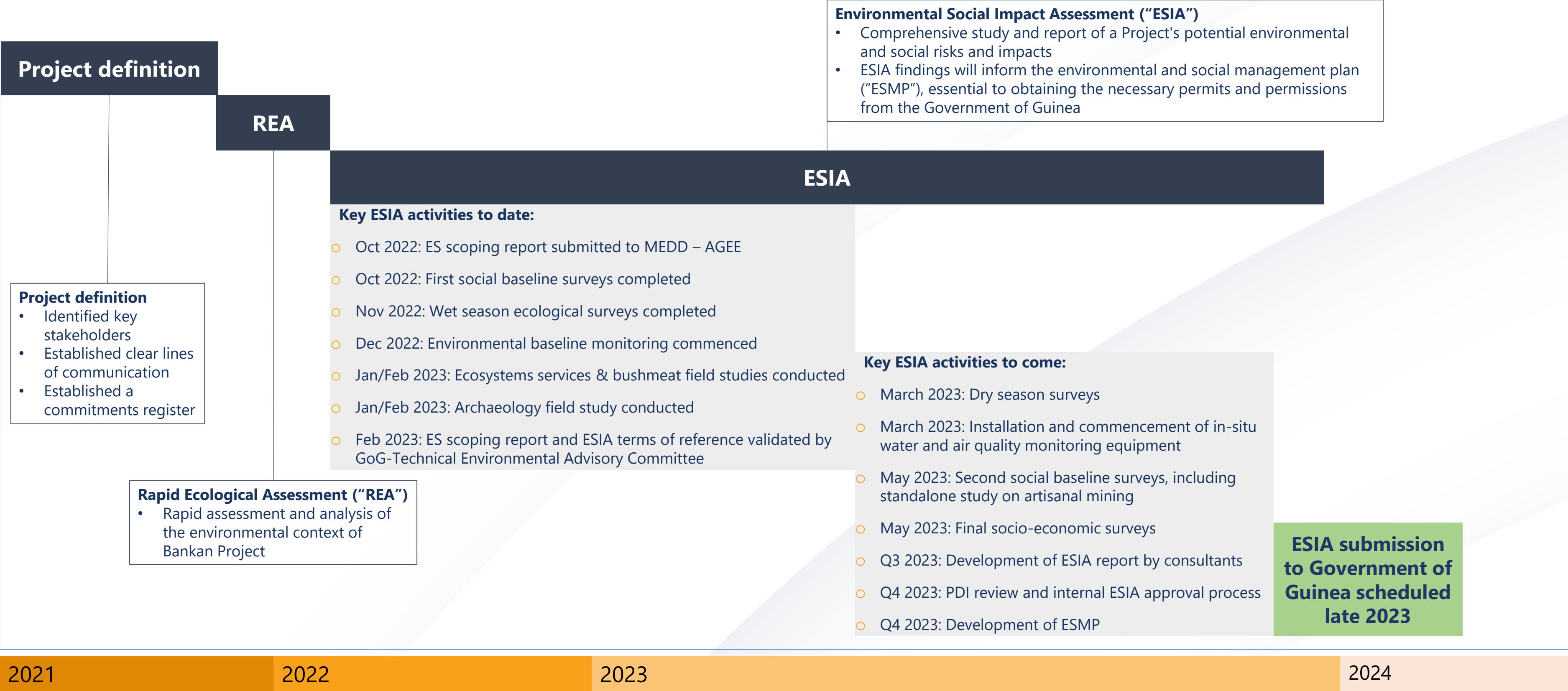
Good quality wooded savannah in PNHN



Degraded wooded savannah in Buffer Zone 2 – cleared for crops

The roadmap to development

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)

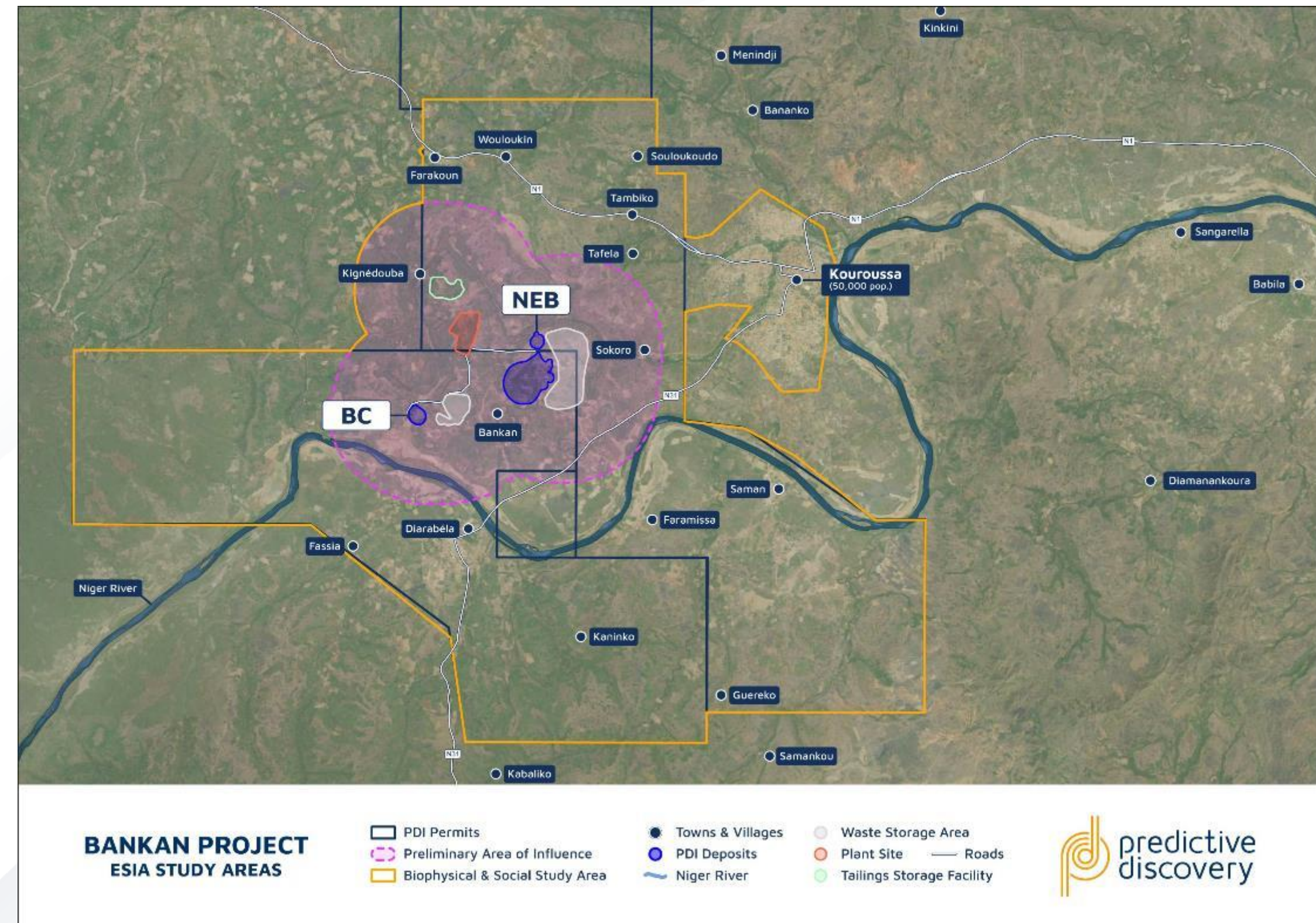
ESIA Study Components:

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



ESIA environmental & social baseline studies

Biodiversity – surveys

Purpose: gain knowledge of species presence and distribution to identify sensitive areas and species with conservation value

- Wet season surveys conducted by BIOTOPE during Nov 2022
- Dry season surveys planned during March 2023
- Two OGPNRF officials from PNHN participated as part of PDI-PNHN collaboration arrangement
- Surveys covered taxa including:
 - Habitat & flora
 - Fish & freshwater invertebrates
 - Mammals/chimpanzees
 - Birds & bats
 - Reptiles & amphibians

Surveying techniques

- 48 line transects of 500 meters each over study area - direct and indirect observations recorded
- 25 camera traps placed during survey, increased to 30 currently
- Fishing operations and environmental DNA sampling (eDNA) (selected sites) across 10 sampling locations



Herbaceous savannah (Bowal) with ferrallitic rock



eDNA sampling



Bat survey



Community assistants fishing



Camera trap

ESIA environmental & social baseline studies

Biodiversity – stakeholder engagement and collaboration

PNHN collaboration

- Capacity building and skills transfer: PNHN officers participated in wet season ecological surveys and camera traps field inspection under tutelage of BIOTOPE
- Park fire management: funding of annual fire break campaign

Biodiversity community guides

- BIOPTOPE appointed community guides from different communities in the study areas to assist during ecological surveys
- Community Guides also used to inspect camera traps



PNHN staff with BIOTOPE ecological survey team



Launch of the 2022/23 fire break campaign

ESIA environmental & social baseline studies

Groundwater and surface water baseline monitoring

- Monitoring network designed based on specialist hydrogeological (groundwater) and hydrological (surface water) assessment currently underway
- Comprises existing boreholes and community wells
- Lab analyses include full suite of physico-chemical, metals and microbiology parameters



Borehole testing

Artisanal and small-scale gold mining ("ASGM")

- ASGM present in Project area, with activity concentrated in Bankan, Kignédouba and Sokoro and typically traded in Kouroussa.
- ASGM an important activity in the local economy
- Complimentary deep-dive impact and management study to be undertaken
- INSUCO to conduct stand-alone study coinciding with the final socio-economic surveys planned for May 2023



Artisanal gold panning site in area of social influence

Air quality, noise and vibration

- Continuous air quality monitoring located near-project and communities, assessing particulate matter, dust, NO_x, SO₂, etc
- Continuous noise and vibration monitoring located near-project and communities
 - recording ambient noise levels over 24-hour period with 15 min intervals
 - recording vibration during blasts only
- Commencing March 2023 upon installation of equipment



Illustrative continuous dust monitoring equipment

Cultural heritage and archaeology

- Cultural Heritage:
 - INSUCO conducted survey
 - No sites found near deposits or proposed infrastructure
- Archaeology:
 - 1-month field survey concluded end Feb 2023 by INSUCO specialist
 - Finds classification and dating in March 2023



Iron smelting furnace site

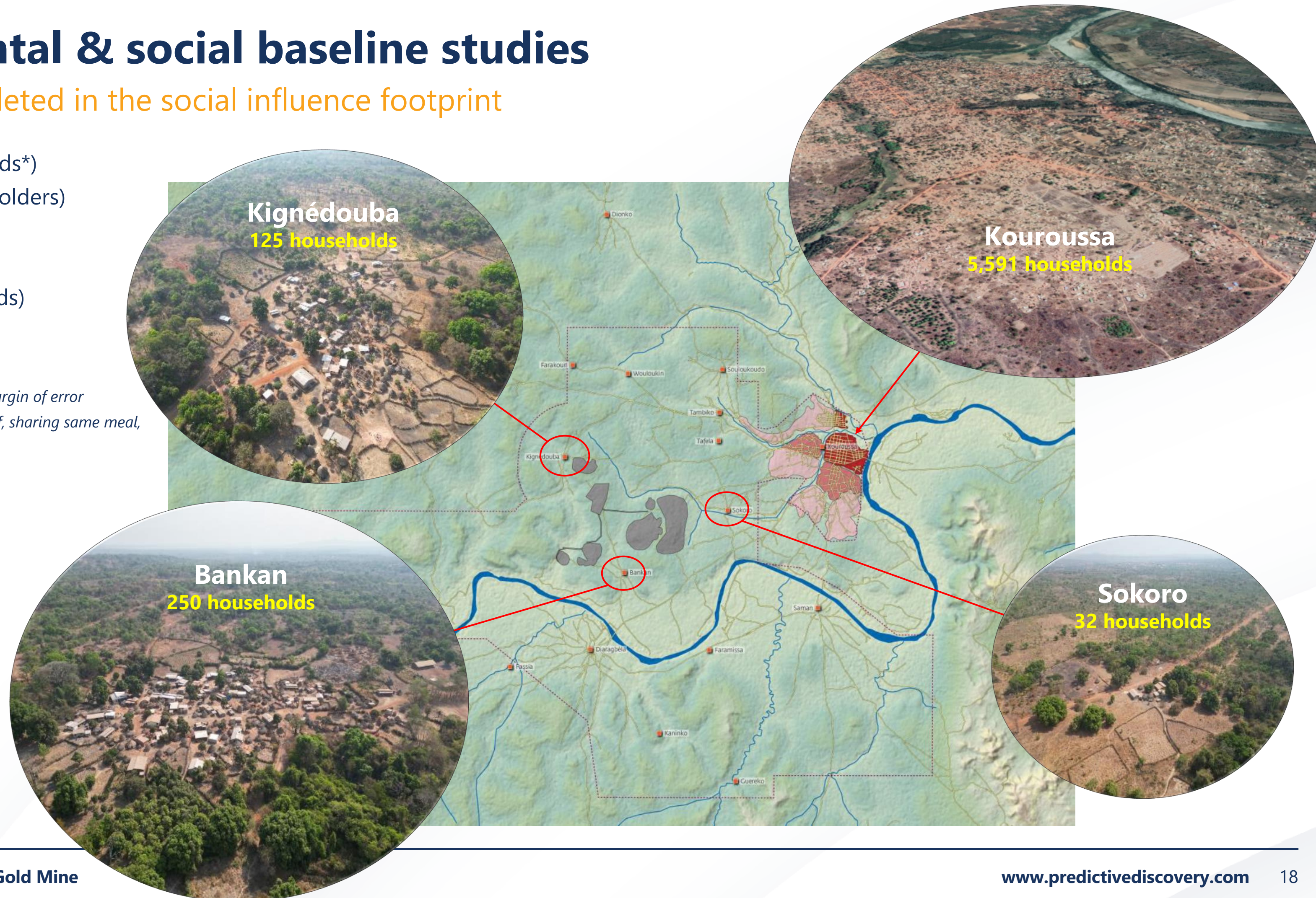
ESIA environmental & social baseline studies

Population studies completed in the social influence footprint

- Kouroussa town (5,591 households*)
- Nine rural villages (1,801 householders)
- Near-impact villages:
 - Bankan (250 households)
 - Kingnédouba (125 households)
 - Sokoro (32 households)

**Based on >90% representative sample with 5% margin of error*

"Household: Group of people living under same roof, sharing same meal, reporting to same head of household" (INSUCO)



ESIA environmental & social baseline studies

Resettlement Compensation Policy Framework ("RPF")

RPF overview

- RPF developed to guide activities related to temporary crop/infrastructure compensation during exploration
- RPF provides conceptual guidance for land acquisition, compensation and resettlement for potential economic and physical displacement
- Compensation Price Matrix developed as part of RPF

Temporary compensation arrangements

- Process to compensate land owners for temporary access during drilling:
 - Crops inventoried on affected land parcel in presence of owner and community representative
 - Inventory reviewed and PDI reviews collar positions to reduce/avoid compensation
 - Compensation agreement verified with beneficiaries before payment is made



Compensation payment



Compensation payment



Price matrix validation – local authorities

Crop inventory

Compensation Agreement

Community relations

Creating long-term value through responsible and transparent engagement



PDI Country Manager, Marlyatou Balde, with the local community

We understand that we have an important role to play within our local communities and within Guinea as well as in returning value to our shareholders

Our purpose directs our decisions and actions and shapes the Company's culture and strategy

Community relations

Extensive and ongoing stakeholder engagement



MEDD, CPDM, OGPNR cadrage 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



Annual environmental authorisation

PDI received the annual renewal of the environmental authorisation for the Bankan Permits on 10 March 2023

RÉPUBLIQUE DE GUINÉE
Travail-Justice-Solidarité
MINISTÈRE DE L'ENVIRONNEMENT ET DU DÉVELOPPEMENT DURABLE
AGENCE GUINÉENNE D'ÉVALUATIONS ENVIRONNEMENTALES
N° 000026 /MEDD/CAB/AGEE/2023 Conakry, le 10 MARS 2023

*Renouvellement de l'Autorisation
Environnementale*

LA MINISTRE

Vu le demande référencé N°/49/MR/12/2022 du 23 décembre 2022, relative au renouvellement de l'Autorisation Environnementale du projet d'exploration de l'Or de Bankan dans la Préfecture de Kouroussa ;

Vu l'Autorisation Environnementale N°0002/MEDD/CAB/BGACE/2022 du 03 Janvier 2022 ;

Vu le rapport de la mise en œuvre du Plan de Gestion Environnementale et Sociale sur le site du projet, exercice 2022;

Vu le rapport de mission de contrôle de la mise en œuvre du Plan de Gestion Environnementale réalisée le 22 au 27 janvier 2023 ;

Vu l'application effective des mesures tendant à éviter, à atténuer ou compenser les impacts du projet sur les milieux biophysiques et humains.

DÉLIVRE

La présente Autorisation Environnementale à la **SOCIETE MAMOU RESSOURCES SARLU**, valable pour une durée d'un an, allant du **08 mars 2023** au **07 mars 2024** pour servir et valoir ce que de droit.


Madame Safiatou DIALLO



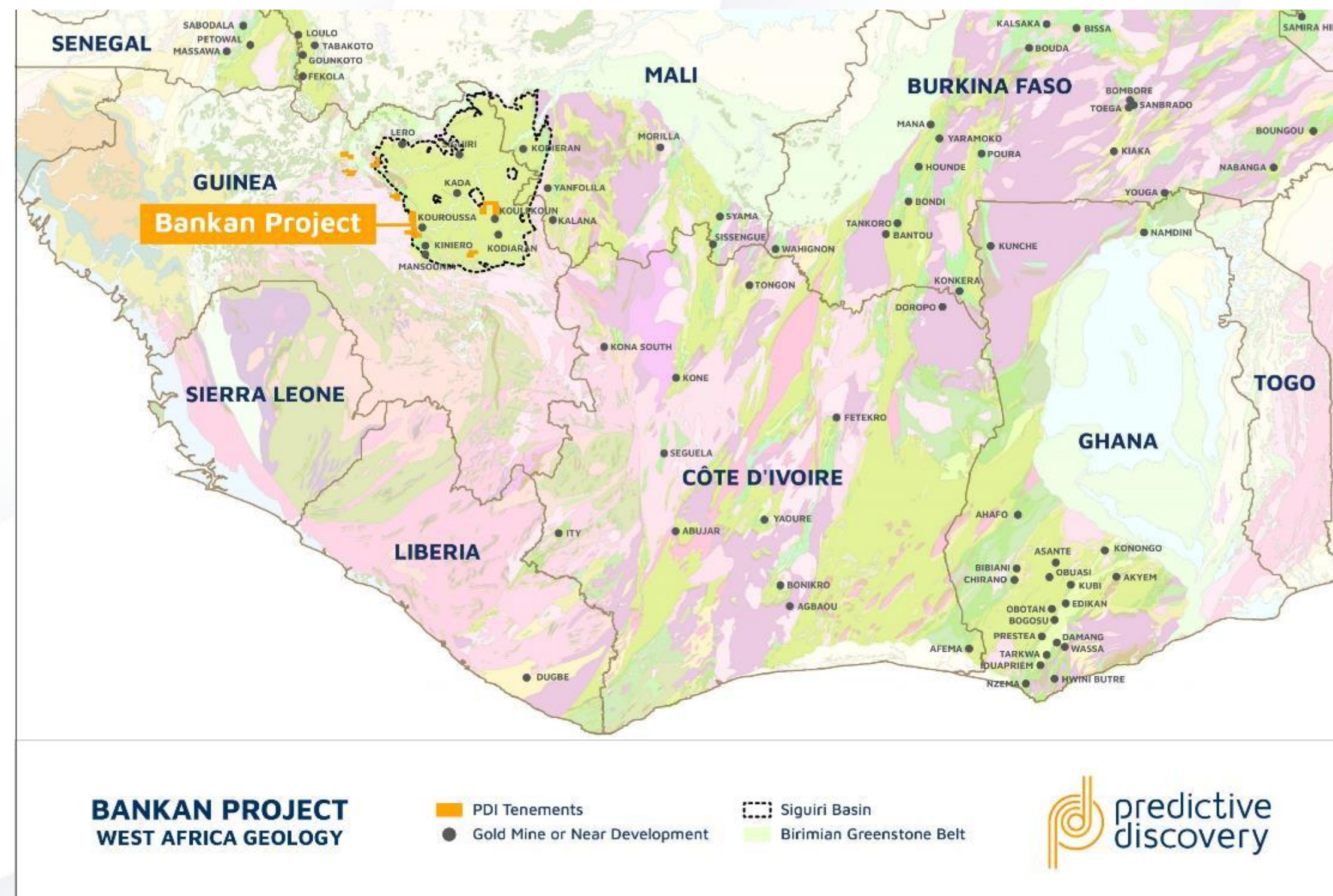
4.2Moz
at 1.69g/t Au

Bankan Geology and Resources

West African Birimian Greenstone Belt

One of the world's most prolific yet underexplored gold mining regions

- One of the largest gold producing regions in the world
- Home to three of top 5 gold producing countries in Africa
- Total 2021 gold production of >15moz¹ comprising
 - 4.2Moz in Ghana, 3.3Moz in Burkina Faso, 3.2Moz in Mali, 1.9Moz in Guinea, 1.3Moz in Ivory Coast and 1.9Moz in others
- Hosts many multi-million ounce gold deposits
- Majority of Birimian-hosted gold deposits occur in 10-15km wide corridors, representing the transition between volcanic rock and sedimentary lithologies and characterized by regionally extensive shear zones
- Siguiri Basin an emerging and underexplored region



Guinea's Siguiri Basin

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

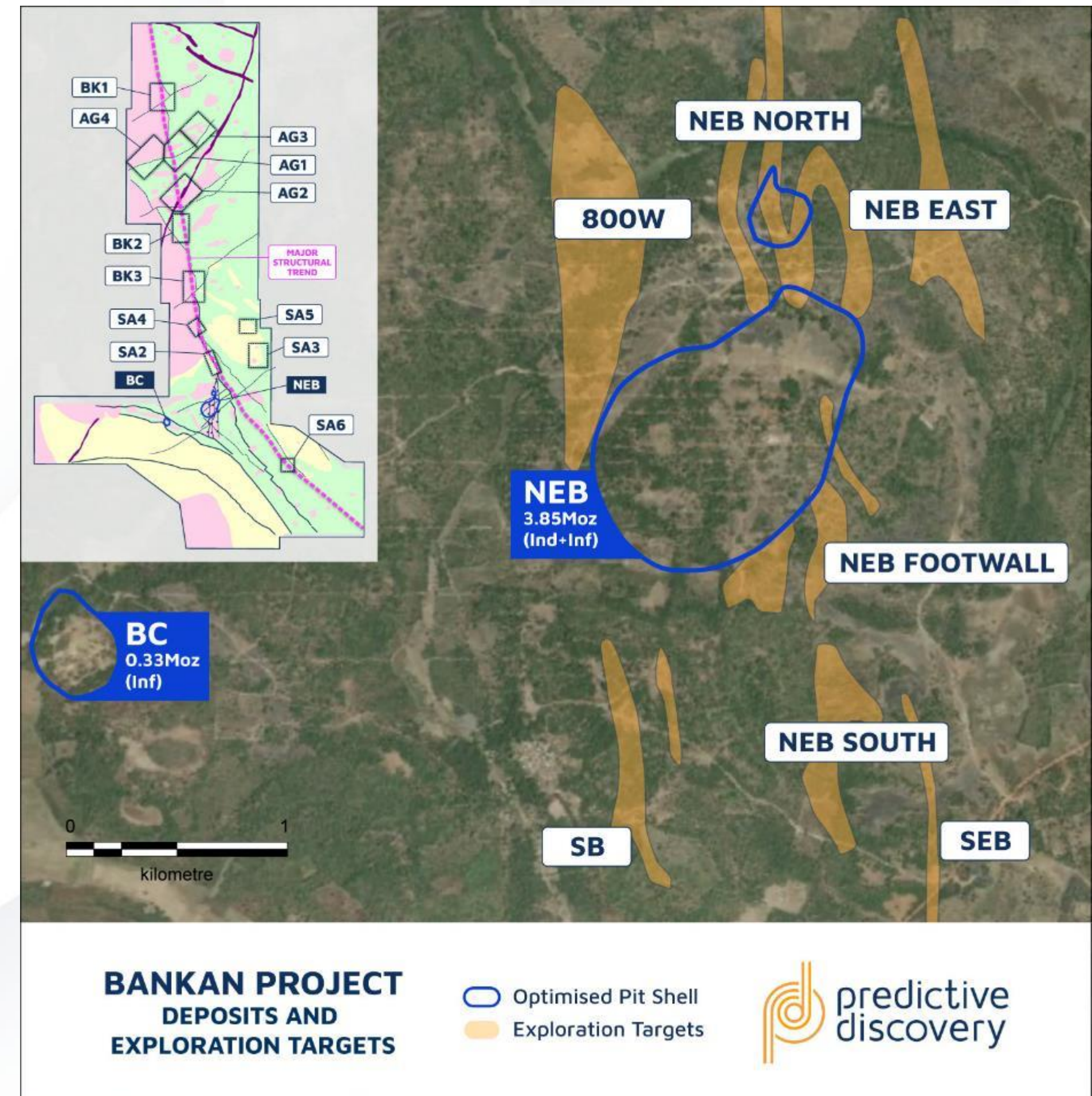
- Located in the north-east corner of Guinea
- Siguiri Basin's margins globally recognised to be a richly mineralised fluid conduit, perfect for large greenfields gold discoveries
- Gold deposits hosted in Paleoproterozoic rocks of the Birimian Supergroup, temporally and spatially related to structures formed during Ebumean Orogeny, thought to be products of a regional fluid produced during metamorphic events at depth
- 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; in construction and first gold expected mid-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)



Bankan Gold Project Overview

Strategically located in the centre of Guinea's new gold rush

- Four contiguous exploration permits covering a 35km-long richly gold endowed super structure, which represents the Siguiri Basin margin (contact between Birimian greenstones and Archean rocks)
- Mineral Resource of 4.2Moz @ 1.69g/t across two separate deposits:
 - **NEB:** 3.85Moz @ 1.72g/t (Ind & Inf)
 - **BC:** 0.33Moz @ 1.43g/t (Inf)
- Extensive drilling program ongoing to grow and upgrade gold resources
- Outstanding AG/AC results within 3km of NEB to be systematically followed up
- Significant regional exploration potential along the gold super structure – multiple targets identified and regional exploration underway



Bankan Exploration Strategy and Next Steps

Recent focus on upgrading NEB Mineral Resource to support permitting; regional exploration increasing in 2023.

Strategy

- NEB and BC discovery holes in Q2 2020. Rapidly grew to a total Inferred Mineral Resource of 4.2Moz in just over 2 years (ASX announcement 2 August 2022)
- Deposits located in Buffer Zone 2 of the PNHN
- Resolving the permitting for NEB and BC therefore a key de-risking / value-adding event. Process requires completion of ESG studies and a Scoping Study
- Infill drilling at NEB the key exploration focus during 2H 2022 to upgrade the Mineral Resource estimate to Indicated (required for a Scoping Study). Will remain a key focus during ahead 1H 2023 to support a further Mineral Resource upgrade in Q3 2023 for use in the Scoping Study
- Significant near-resource and regional exploration potential – increasing exploration focus during 2023

Next steps

NEB

- Infill drilling in bottom half of pit shell to upgrade majority of Open Pit Mineral Resource to Indicated (currently ~50%)
- Resource extension drilling in northern pit shell area and targeting undrilled high-grade structures in main pit shell
- Underground resource extension drilling to close gap to base of pit shell

BC

- Small BC program (7 DD holes) completed late 2022
- Recent focus on NEB assaying due to critical mass (for Scoping Study)
- Once all BC assays received, revise geological model and plan next phase of resource drilling

Regional

- Highly prospective permits with potential for multiple large-scale discoveries
- Geophysics program underway at Argo targets, 15-20km north of NEB
- Includes GAIP, P-DIP and gravity surveys
- RC drilling planned to commence early Q2 2023

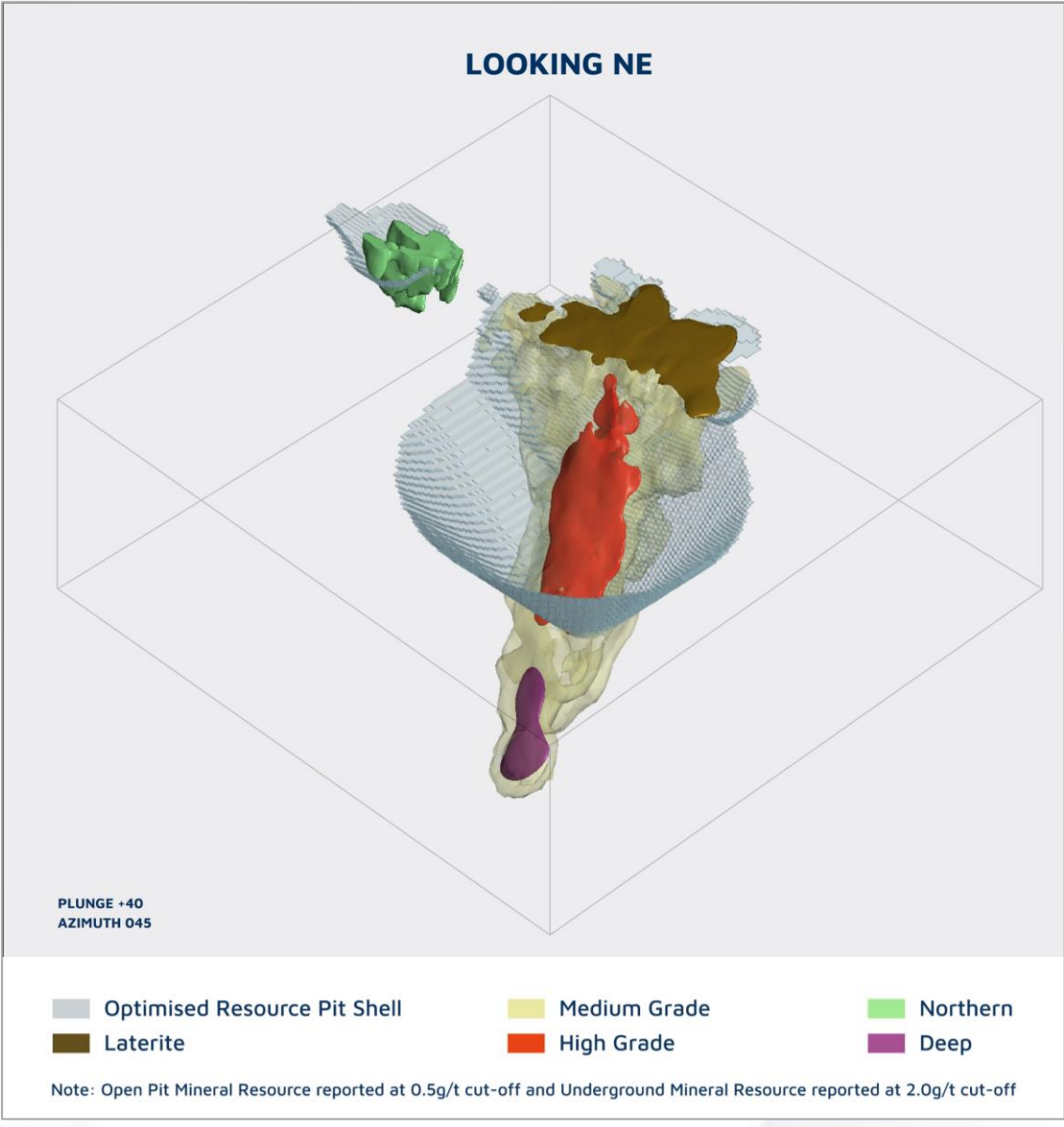
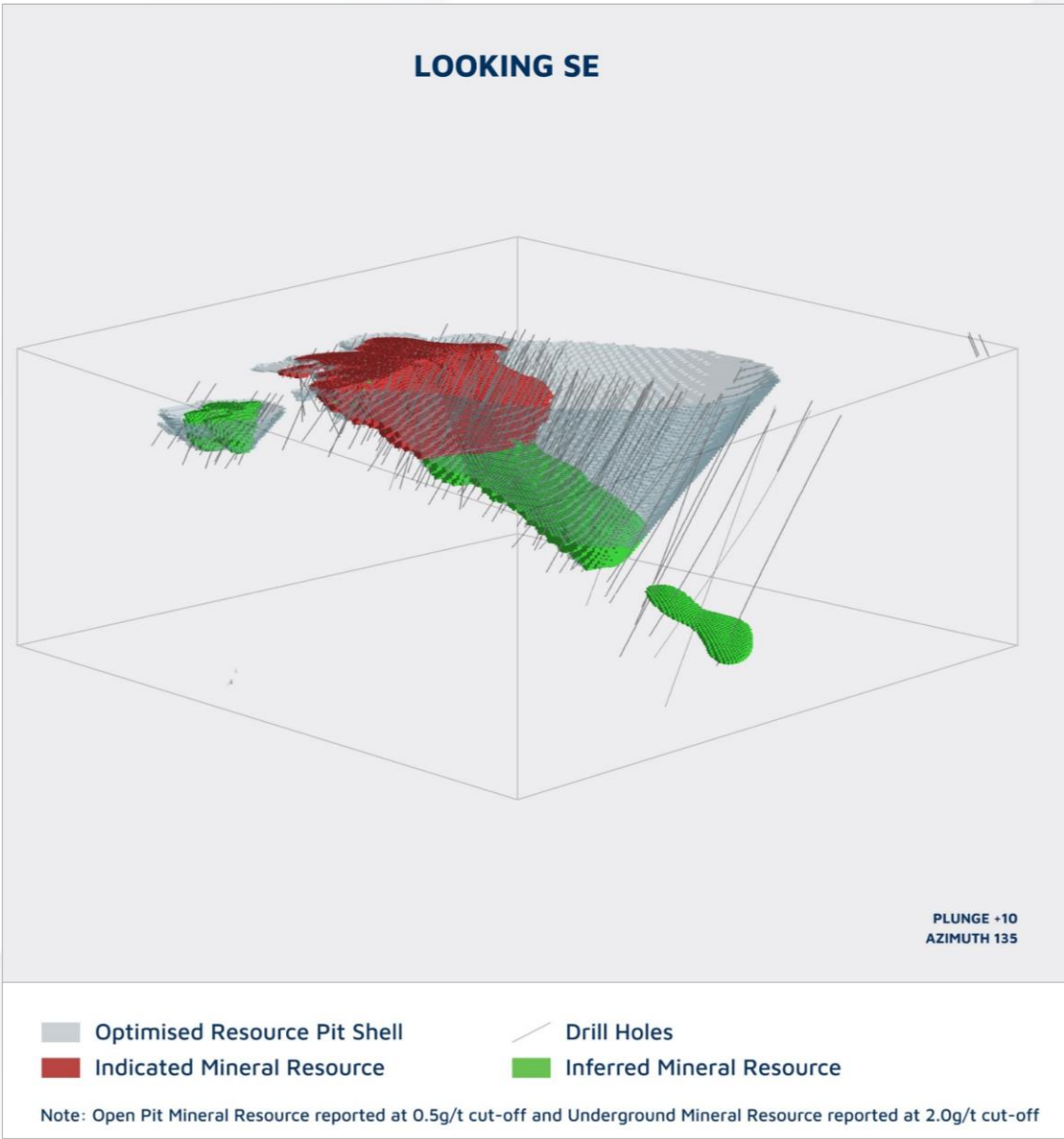
NEB Mineral Resource update

Significant initial upgrade to Indicated category

- Intention of the update to start upgrading Inferred to Indicated
- 63% of NEB’s tonnes and 50% of contained gold in the open pit shell upgraded to Indicated – top 250m of the resource pit shell
- 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

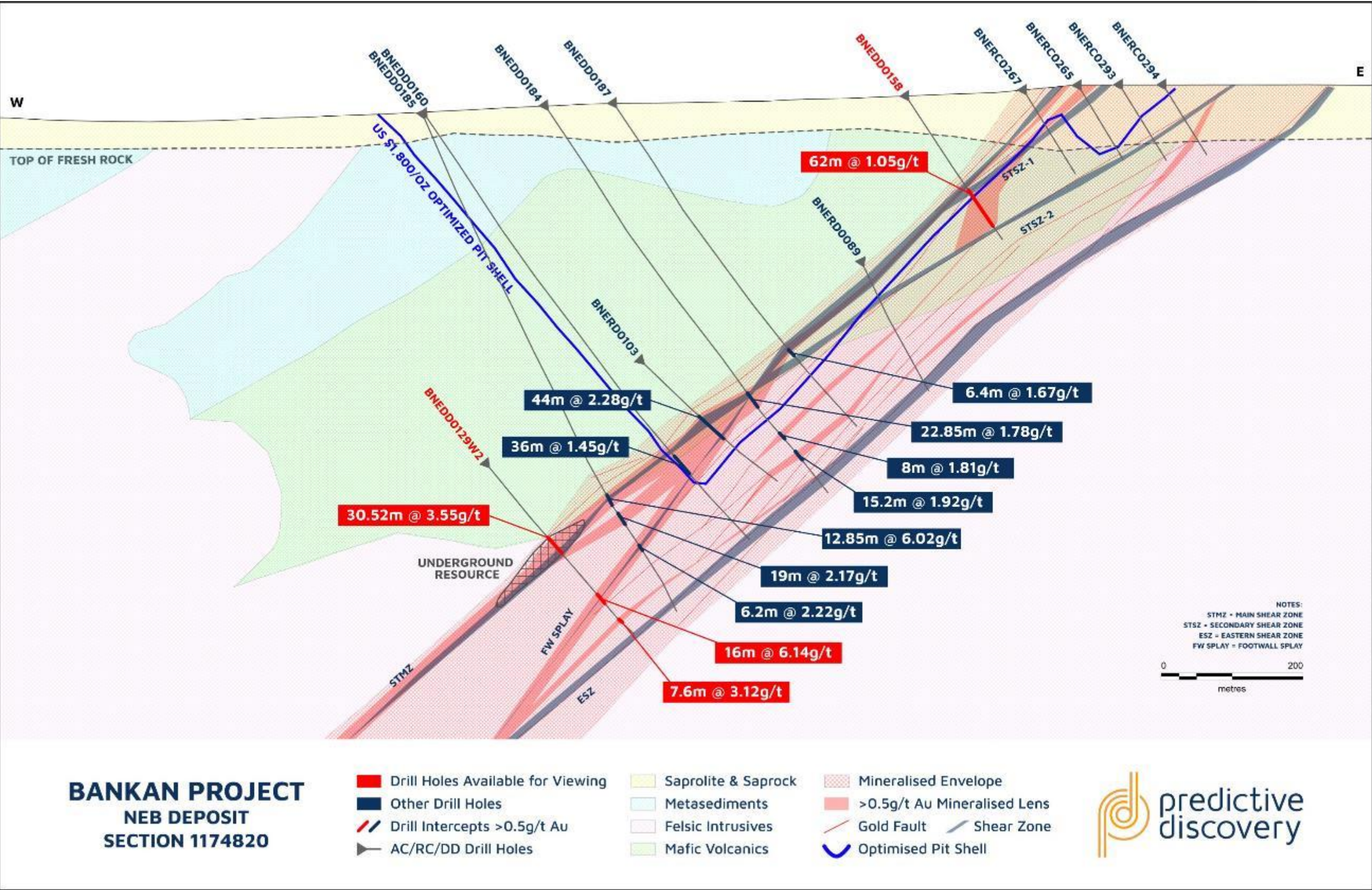
Deposit	Classification	Cut-off (g/t Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
NEB Open Pit	Indicated	0.5	42.7	1.27	1,747
	Inferred	0.5	24.7	2.23	1,768
	Total		67.4	1.62	3,515
NEB Underground	Inferred	2.0	2.2	4.75	335
NEB Total			69.6	1.72	3,850
BC Open Pit	Inferred	0.5	7.2	1.42	331
Total Bankan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

Refer to notes in Appendix



NEB Cross Section 1174820N

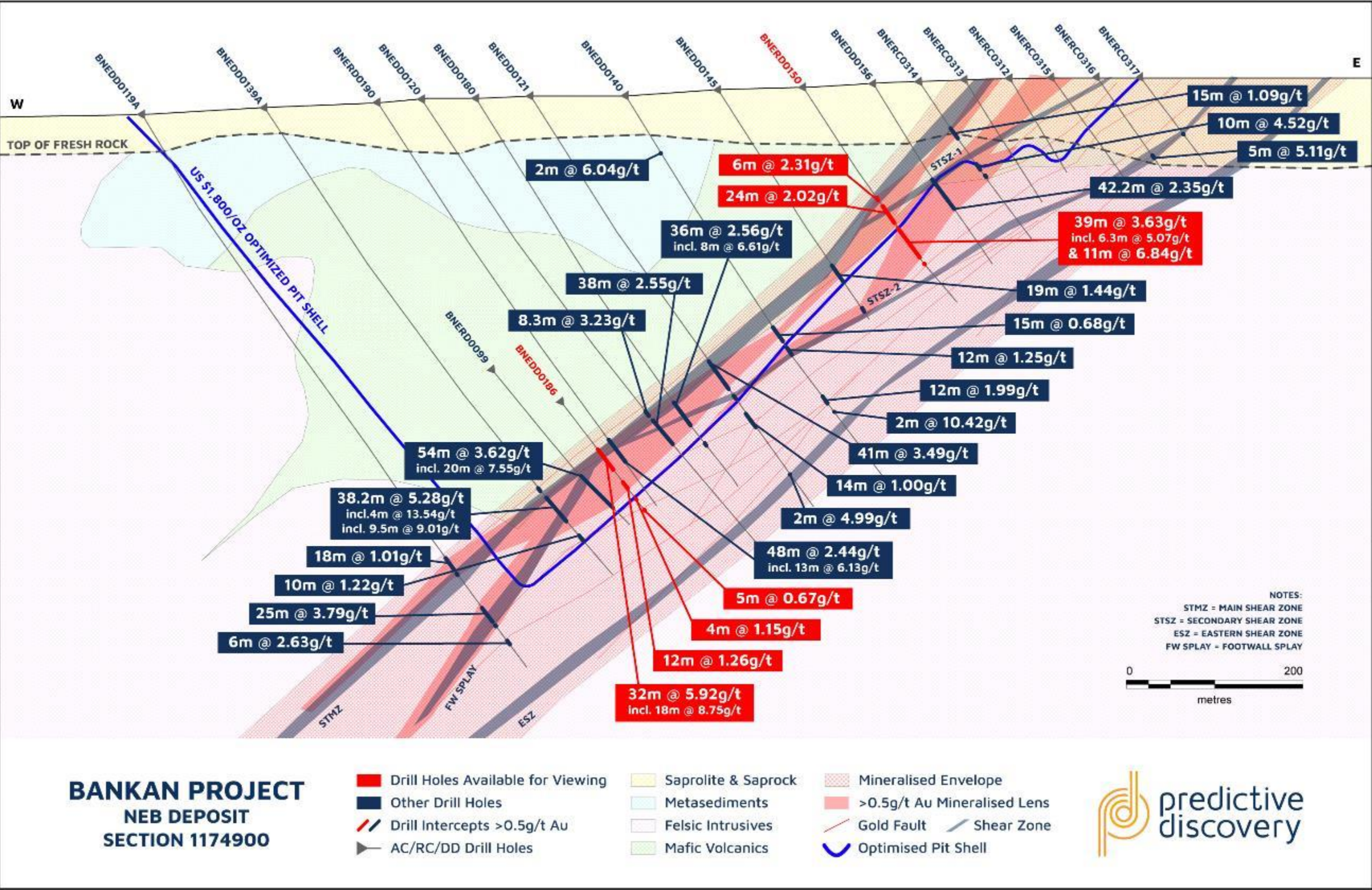
BNEDD0129W2 and BNEDD0158 available for viewing



Hole No.	From	Interval	g/t Au	gm
BNEDD0129W2	723.48	30.52	3.55	108
	802	1	0.59	1
	816	1	0.51	1
	827	2	1.28	3
	832	16	6.14	98
	852	9	0.67	6
	877.4	7.6	3.17	24
BNEDD0158	139	1	1.02	1
	159	62	1.05	65

NEB Cross Section 1174900N

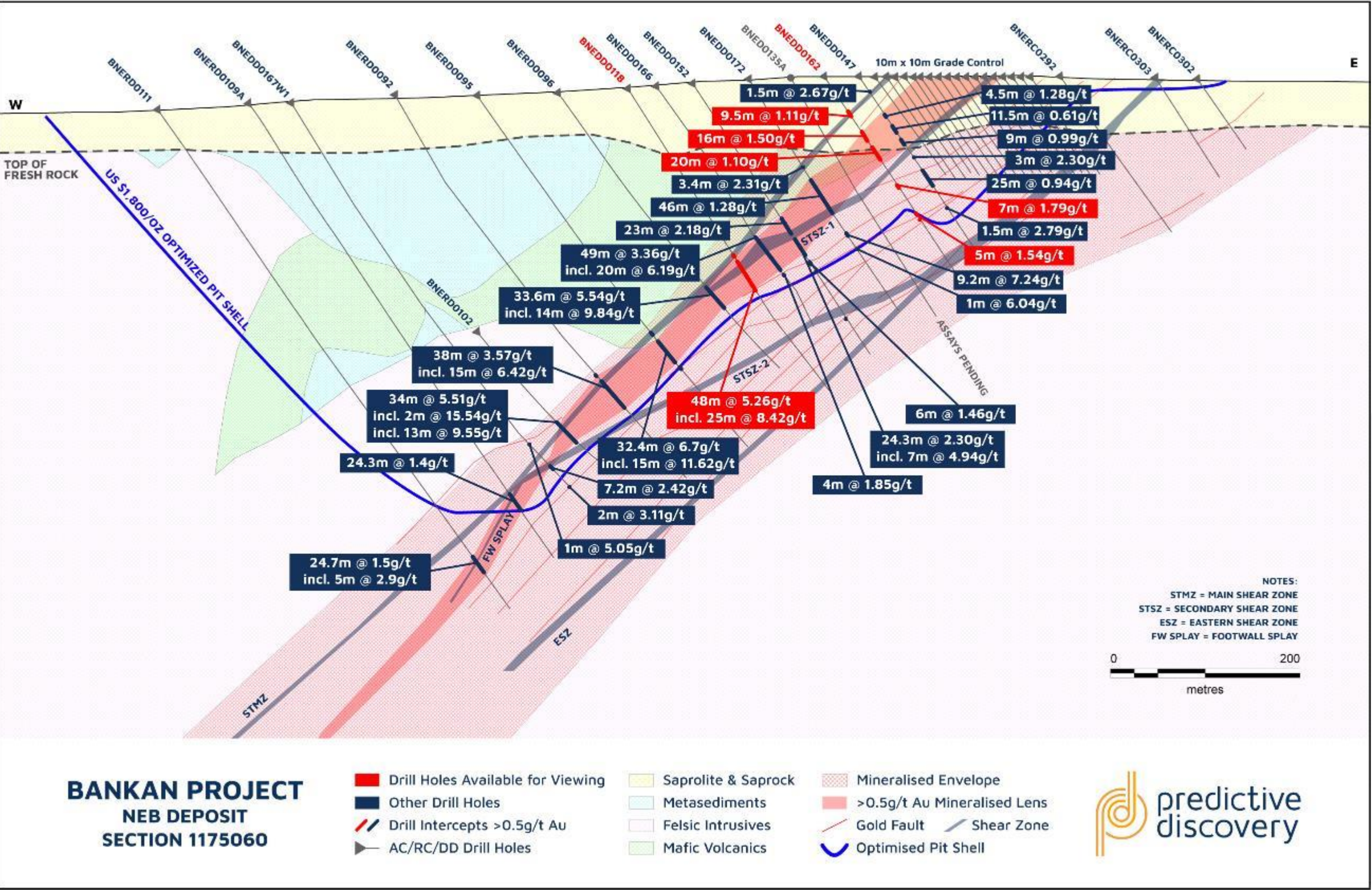
BNEDD0150 and BNEDD0186 available for viewing



Hole No.	From	Interval	g/t Au	gm
BNEDD0150	52.5	1.5	1.17	2
	143	6	2.31	14
	154	24	2.02	49
	182	3	0.55	2
	188	39	3.63	142
	235	3	1.69	5
	241	1	12.00	12
	248	9	0.45	4
	264	1	0.66	1
	287	1	0.97	1
BNEDD0186	467	1	0.84	1
	471	32	5.92	189
	507	2	1.80	4
	517	12	1.26	15
	541	4	1.15	5
	549	1	0.56	1
	557	5	0.67	3

NEB Cross Section 1175060N

BNEDD0118 and BNEDD0162 available for viewing



Hole No.	From	Interval	g/t Au	Gm
BNEDD0118	216	48	5.26	252
	287	1	0.59	1
	304	4	1.08	4
	328	2	0.63	1
	333	1	1.21	1
	348.95	1.2	0.58	1
	370	2	0.58	1
	377	1	0.71	1
BNEDD0162	34	1	0.99	1
	43.5	9.5	1.11	11
	57	1.5	1.03	2
	63	1.5	0.75	1
	70	16	1.5	24
	90	20	1.1	22
	140	7	1.79	13
	156	3	0.76	2
	161.1	6.9	0.45	3
	178	5	1.54	8
	186	2	1.74	3
	193	4	0.86	3
	216	1	0.87	1

NEB upside potential

Excellent potential for Mineral Resource expansion

Northern open pit area

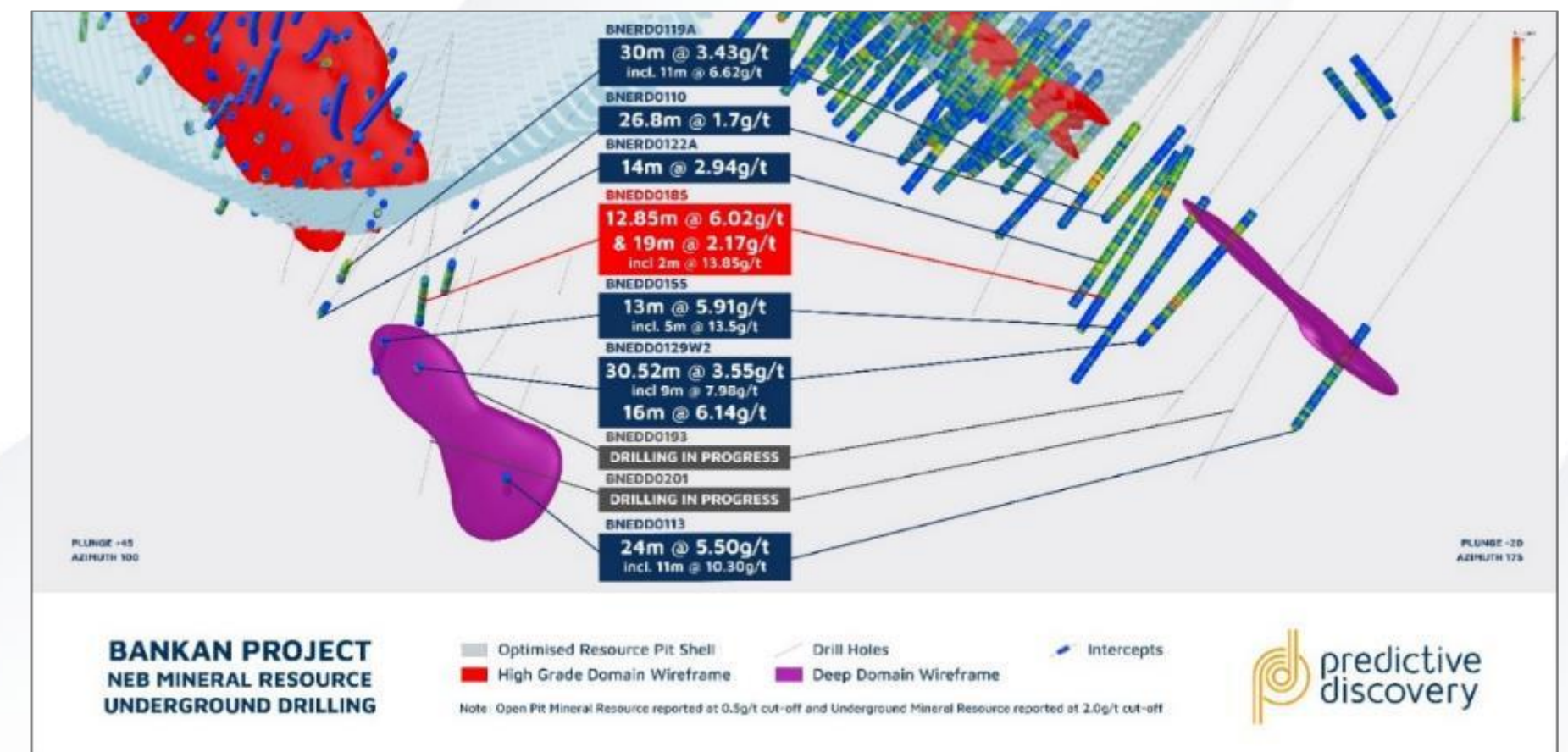
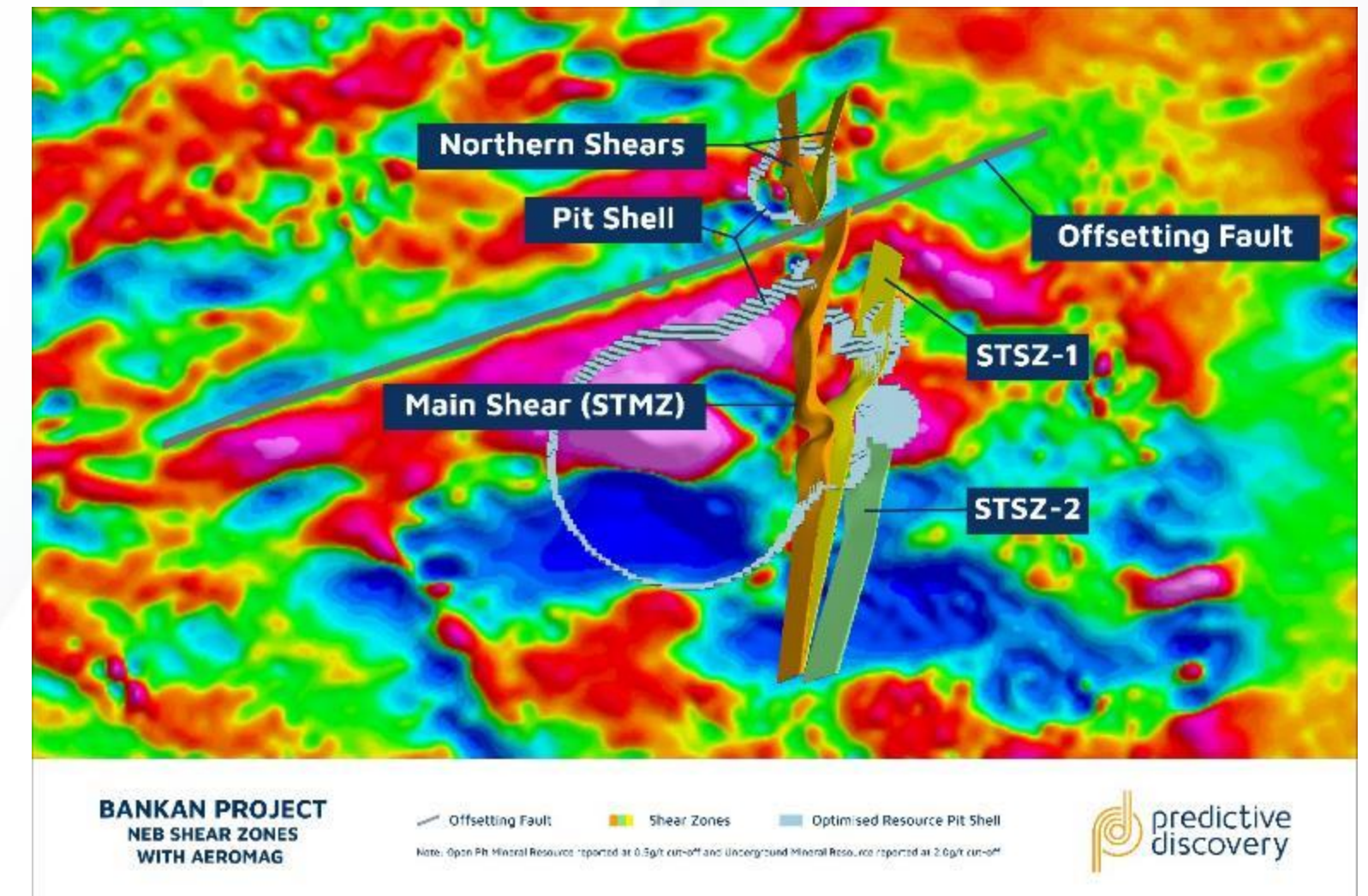
- Newly identified ENE striking fault between the two resource pit shells appears to offset mineralisation
- Two shears north of the fault may be continuation of the main NEB mineralisation
- Mineralisation in the northern area open along strike to the north and at depth

Smaller high-grade shears in the main pit shell

- Potential for smaller high-grade shoots south of the main high-grade shoot
- Largely untested by drilling

Underground Mineral Resource

- Estimate of 335koz @ 4.75g/t based on only three drill holes
- Potential to increase the Mineral Resource:
 - Up-dip towards the resource pit shell
 - Laterally expanding the boundaries of currently defined mineralisation
 - Several holes in progress or assays pending
- Remains open at depth below hole BNEDD0113 (24m @ 5.5g/t incl 11m @ 10.3g/t)
- Recent hole BNEDD0185 returned 12.85m @ 6.02g/t outside the current resource



BC – 331Koz only 3km west of NEB

Open in all directions and at depth

Bankan Creek Drill Plan

Drill Holes Gram metres

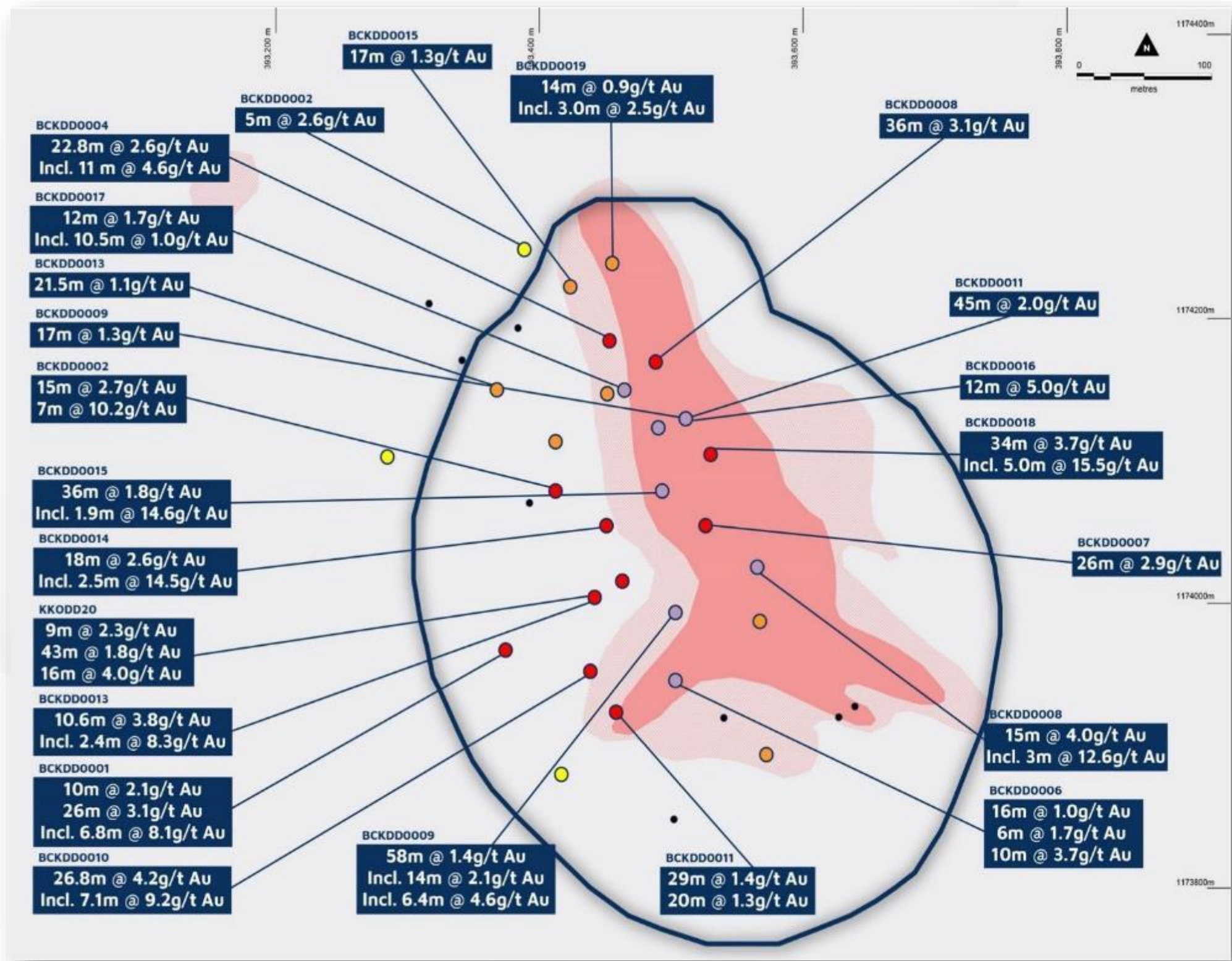
- > 100
- 50-100
- 25-50
- 10-25
- < 10

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.



- Open in all directions and at depth
- 3km from NEB
- Lightly explored
- Significant potential for Resource growth
- 7 DD hole drill program completed in late 2022. Assaying incomplete to prioritise NEB for assaying for resource update

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

- Target areas confirmed by recent geophysics program – excellent induced polarisation results

- RC drilling planned on high priority targets as they emerge from shallow drilling and geophysics



An aerial photograph showing an oil drilling operation in a savanna environment. A large red drilling rig is positioned in a cleared area, surrounded by several smaller vehicles and equipment. The landscape is characterized by green bushes and scattered trees, with a dirt road visible in the background. The overall scene depicts industrial activity in a natural setting.

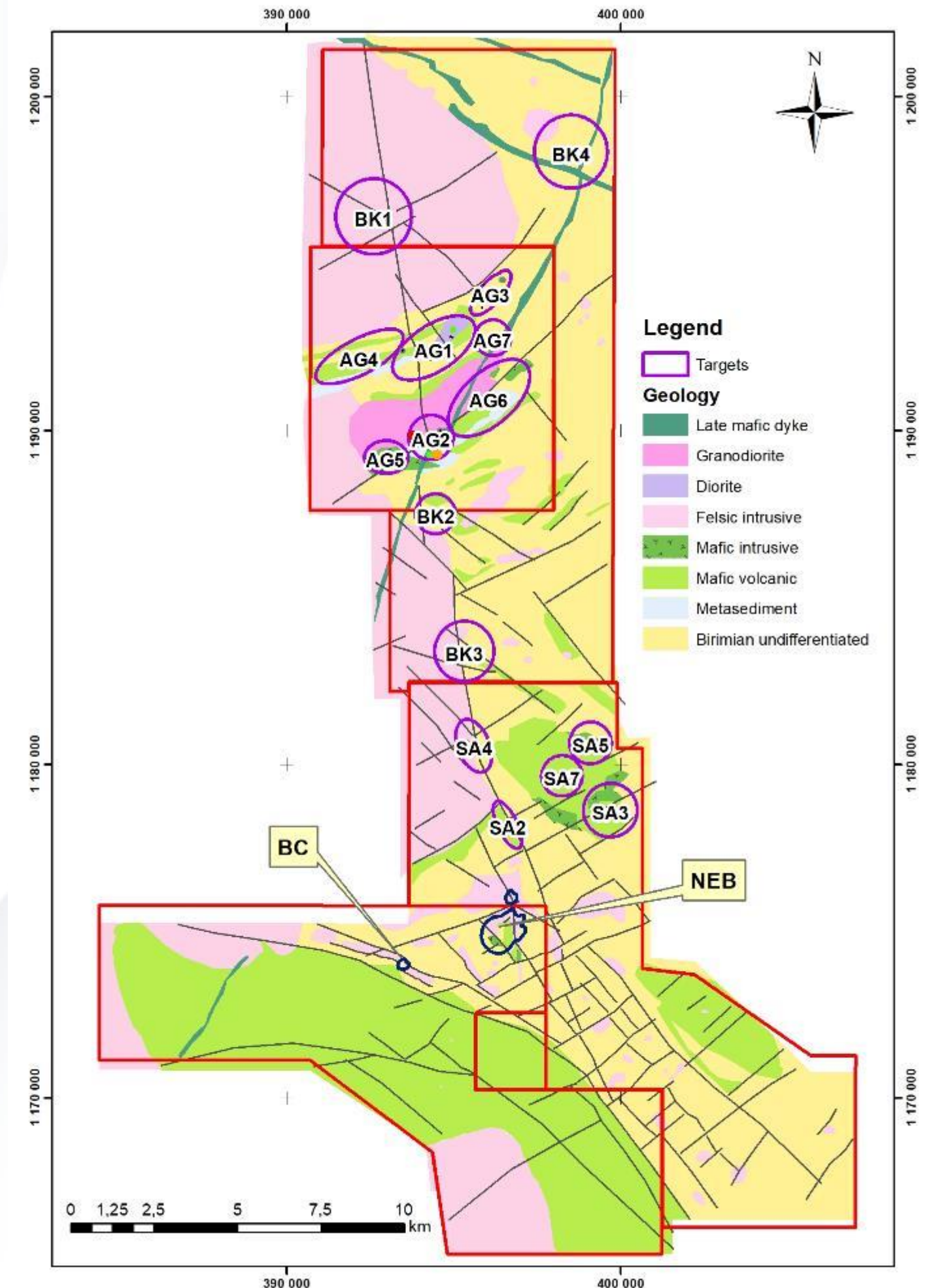
Seeking to prove up
the full potential of
the Bankan permits

Regional Exploration

Regional potential

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

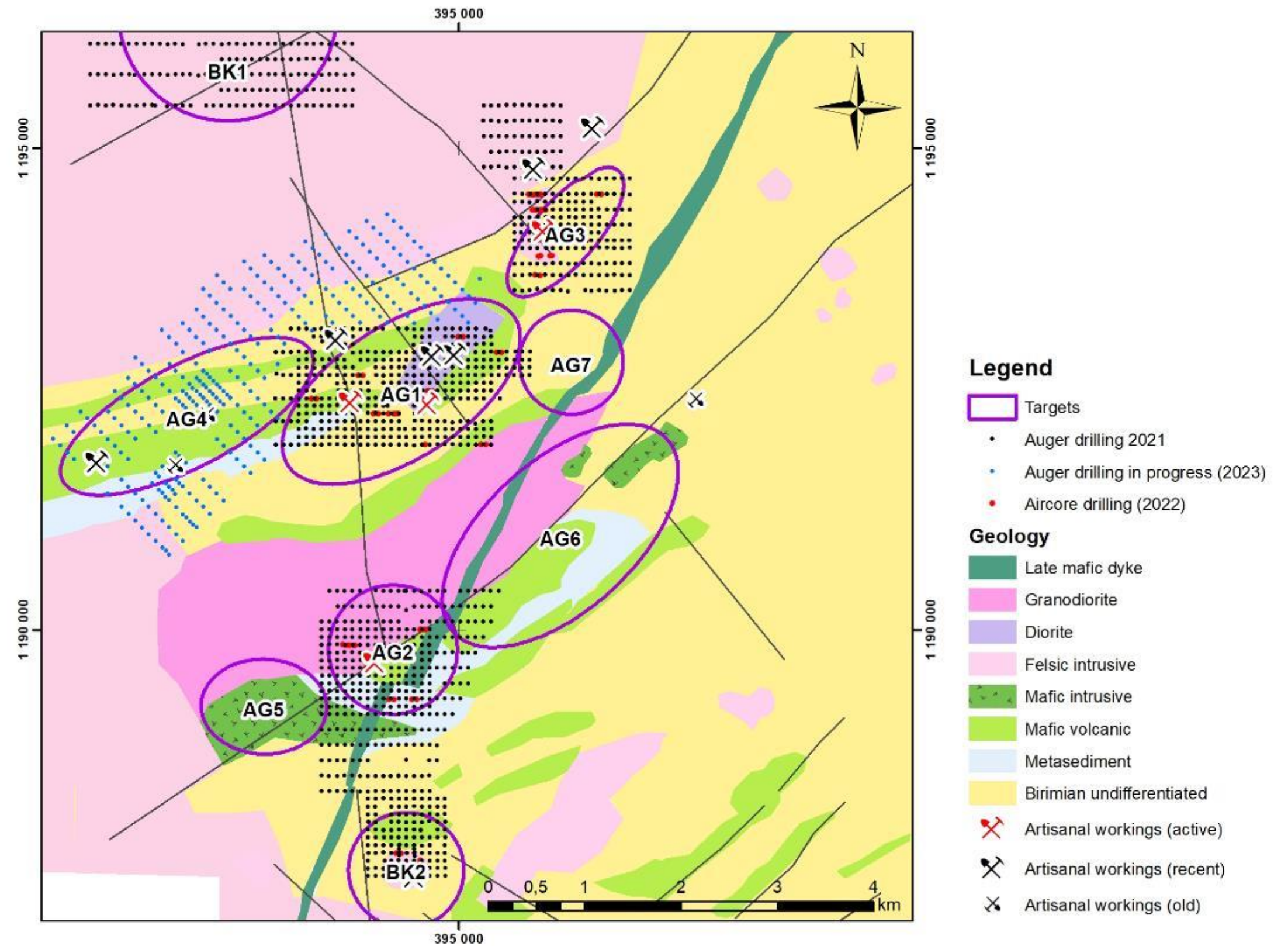
- Significant exploration upside exists
- Bankan sits atop a basin-margin gold bearing super-structure
- Three main areas of interest along that structure:
 - Bankan intrusive complex
 - Saman intrusive complex
 - Argo intrusive complex
- Many high-quality targets delineated
- Exploration team strengthened to drive regional programs



Argo targets

Multiple highly prospective targets

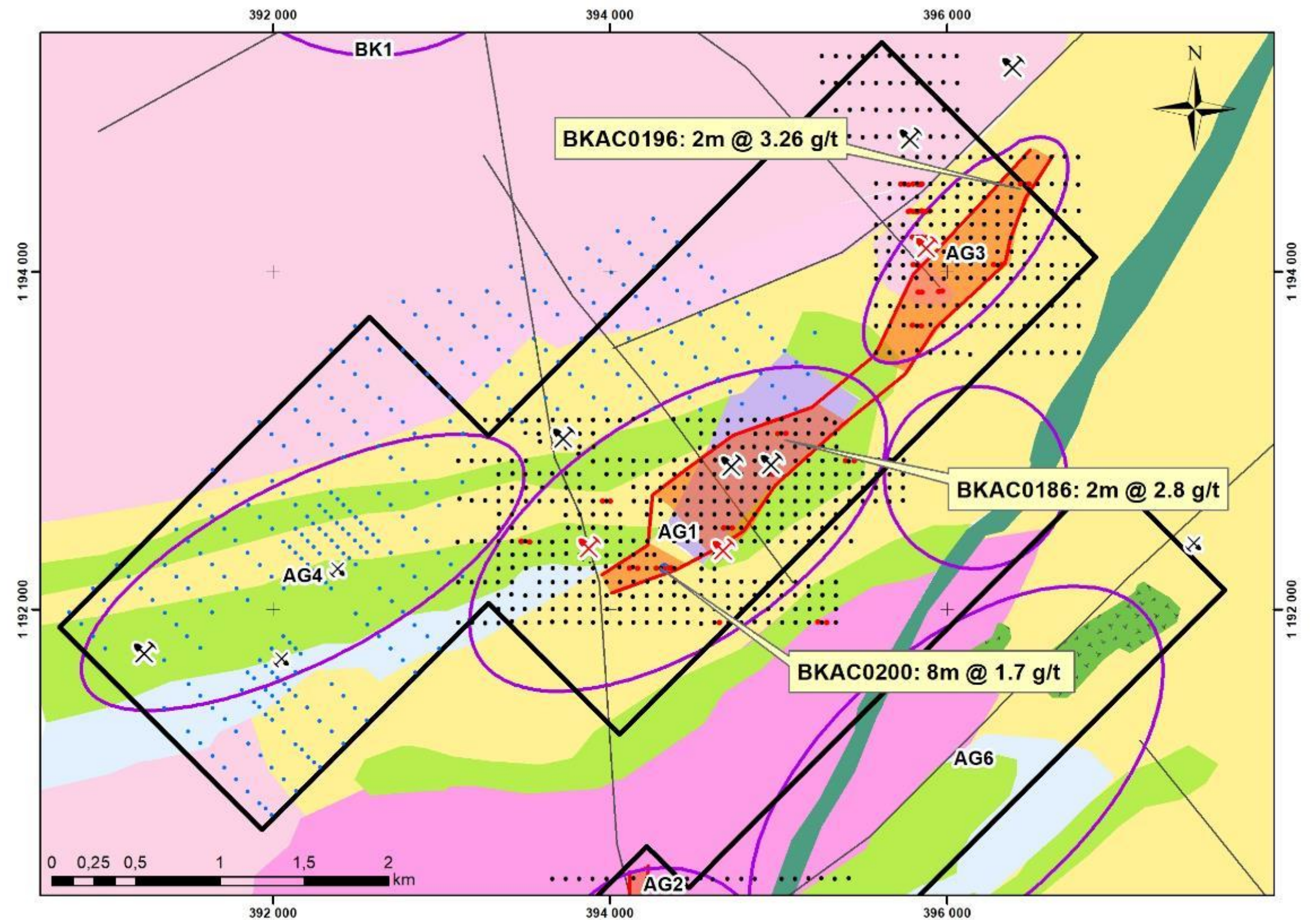
- Intrusive complex and a variety of rock types (felsic/intermediate intrusives, metavolcanics, metasediments)
- Favorable structural position: crosscutting of the NS NEB trend with NE-SW trends
- Gold fertility proved by 2022 auger/AC results and many artisanal mining sites along these trends



Argo targets

AG1, AG3 and AG4 targets

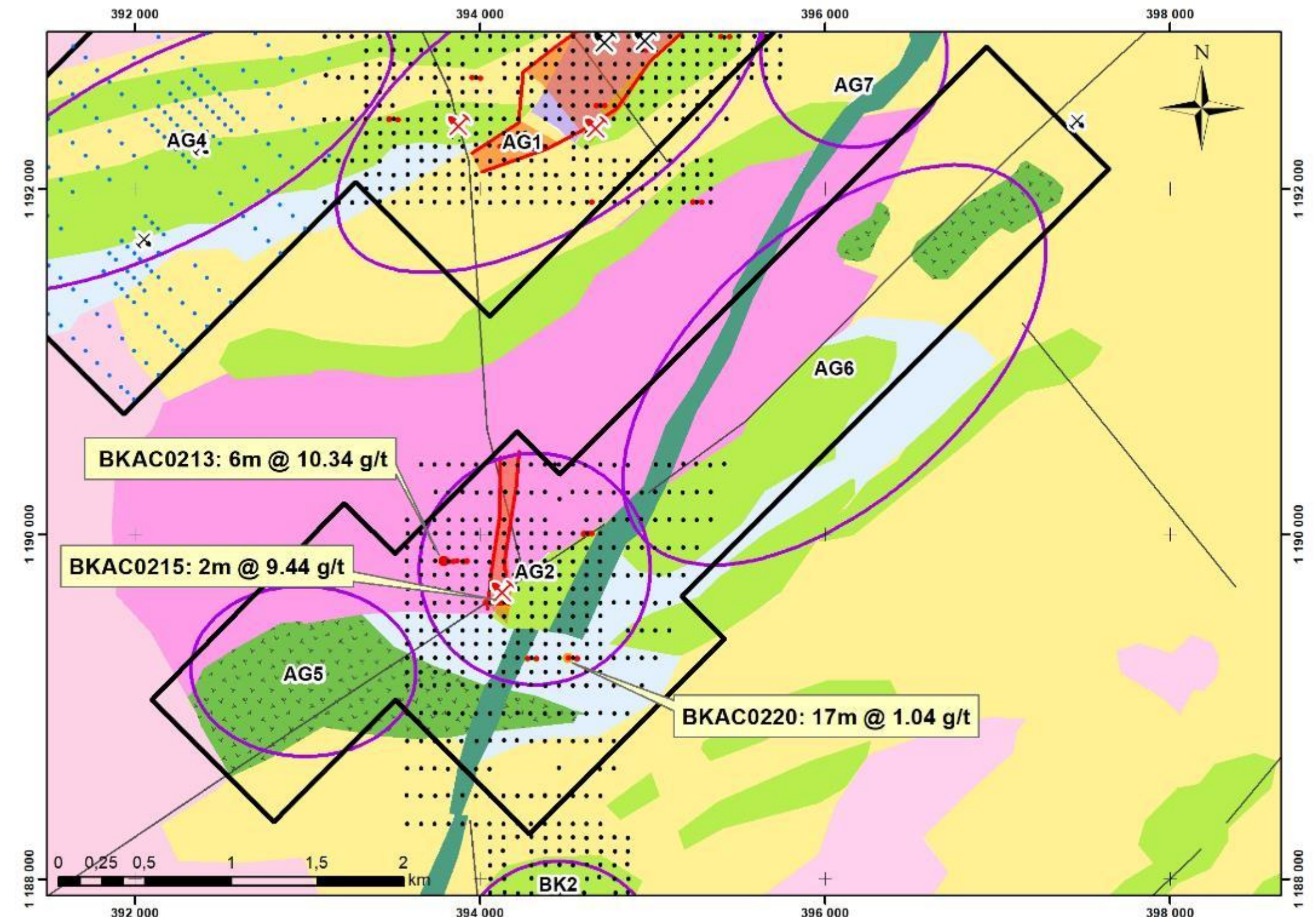
- 2021 auger program delineated a 3.5km long NE oriented anomalous trend from AG1 to AG3
- Complex multi-element association (Au-As-Mo-Bi) in the western part (AG1) adjacent to a mafic unit
- First pass AC drilling (2022) focused on NS structures only
 - 8m @ 1.7g/t in BKAC0200
 - 2m @ 2.8g/t in BKAC0186
- Disruption of the stratigraphy by a major NS structure between AG1 and AG4 (possible feeder structure for the 2nd order faults along the NE oriented units)
- Potential for the same NE trend to continue offset in AG4 (pending auger results)



Argo targets

AG2 target

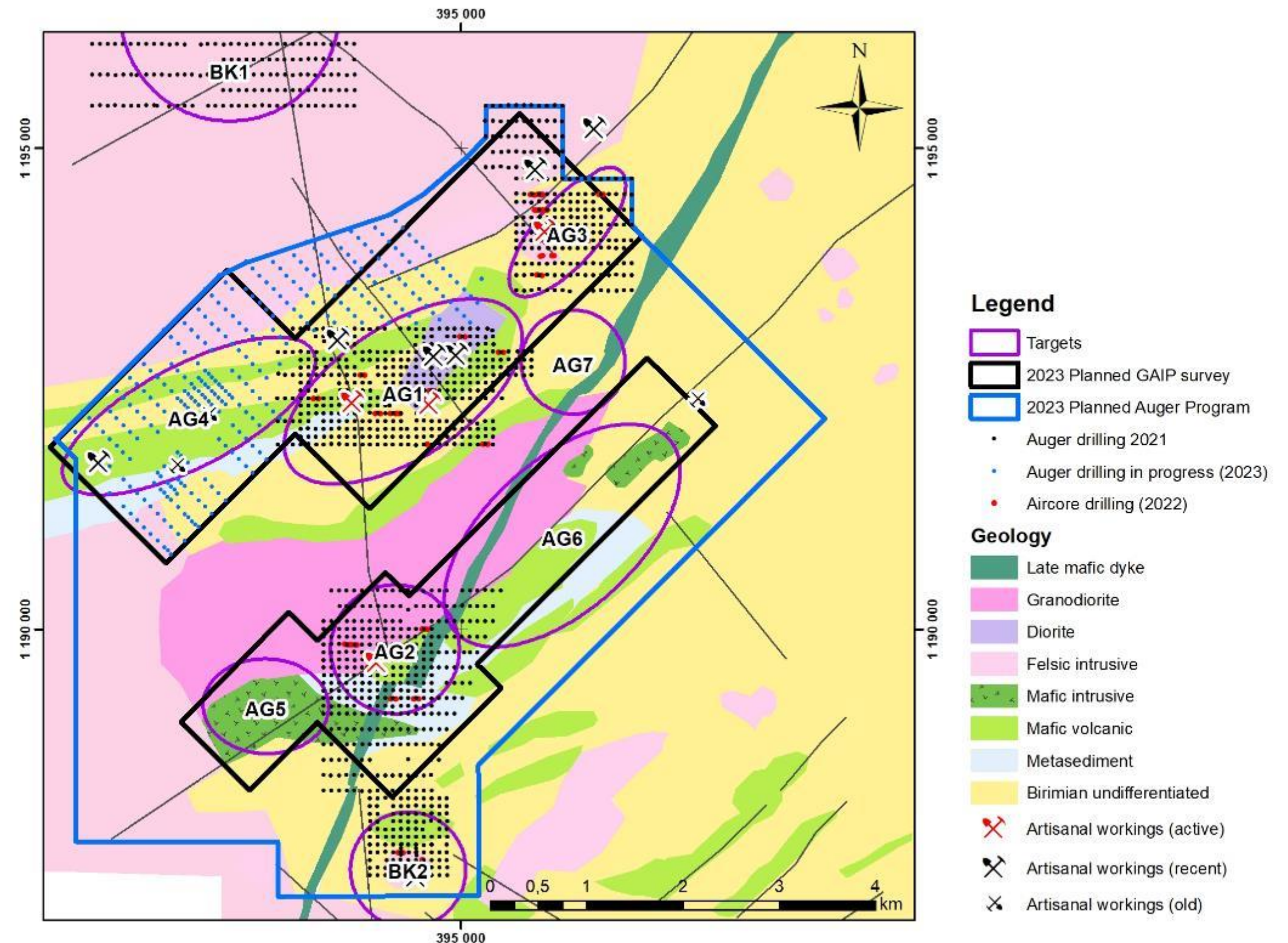
- Prospective contact along a highly magnetic unit crosscut by NS regional structure and a dolerite dyke along Birimian structure
- Important artisanal mining site at the intersection of these trends, in a granodiorite intrusive
- First pass AC drilling (2022) focused on NS structures
 - 6m @ 10.34g/t in BKAC0213
 - 2m @ 9.44g/t in BKAC0215
 - 17m @ 1.04g/t in BKAC0220

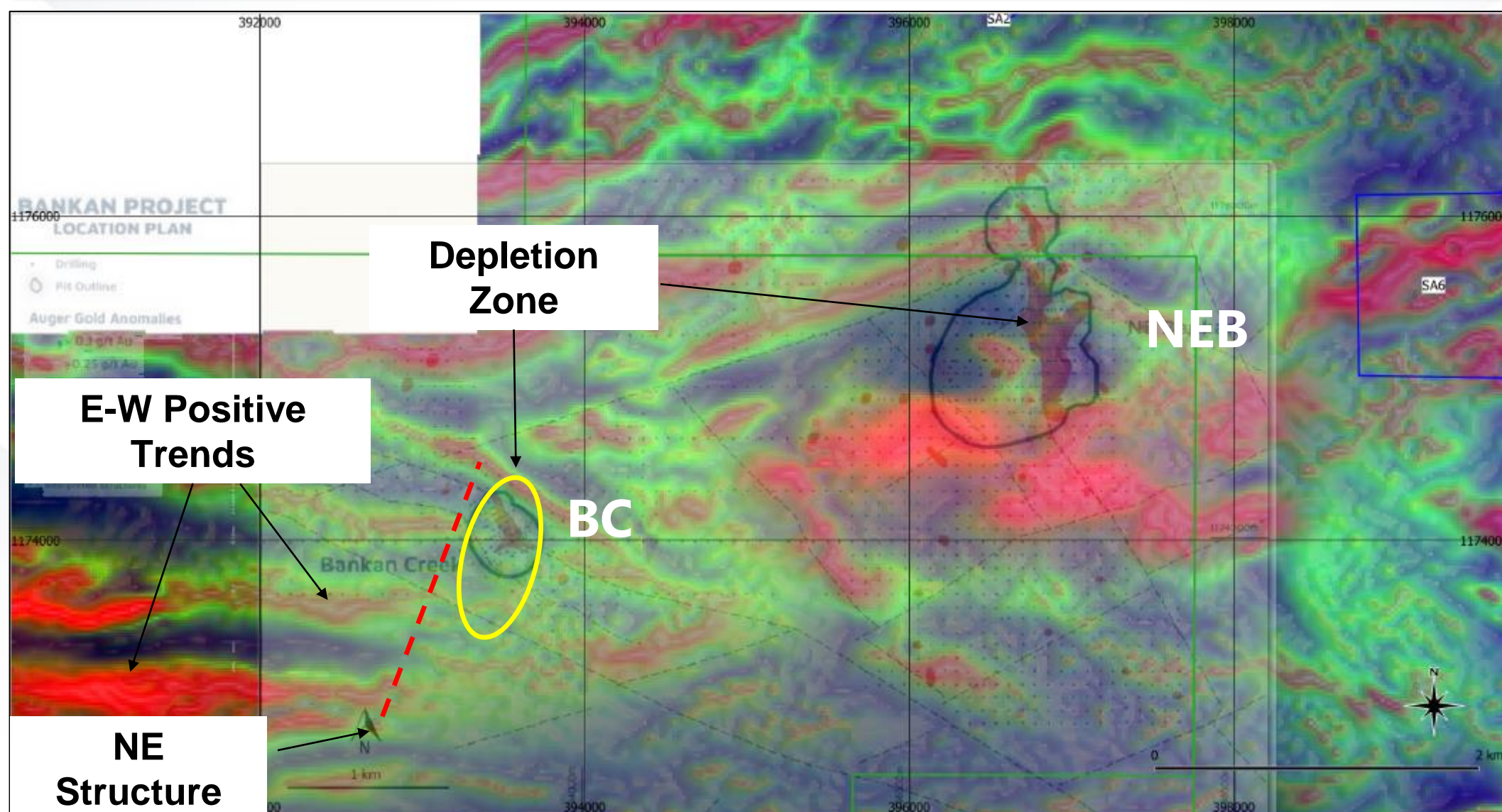
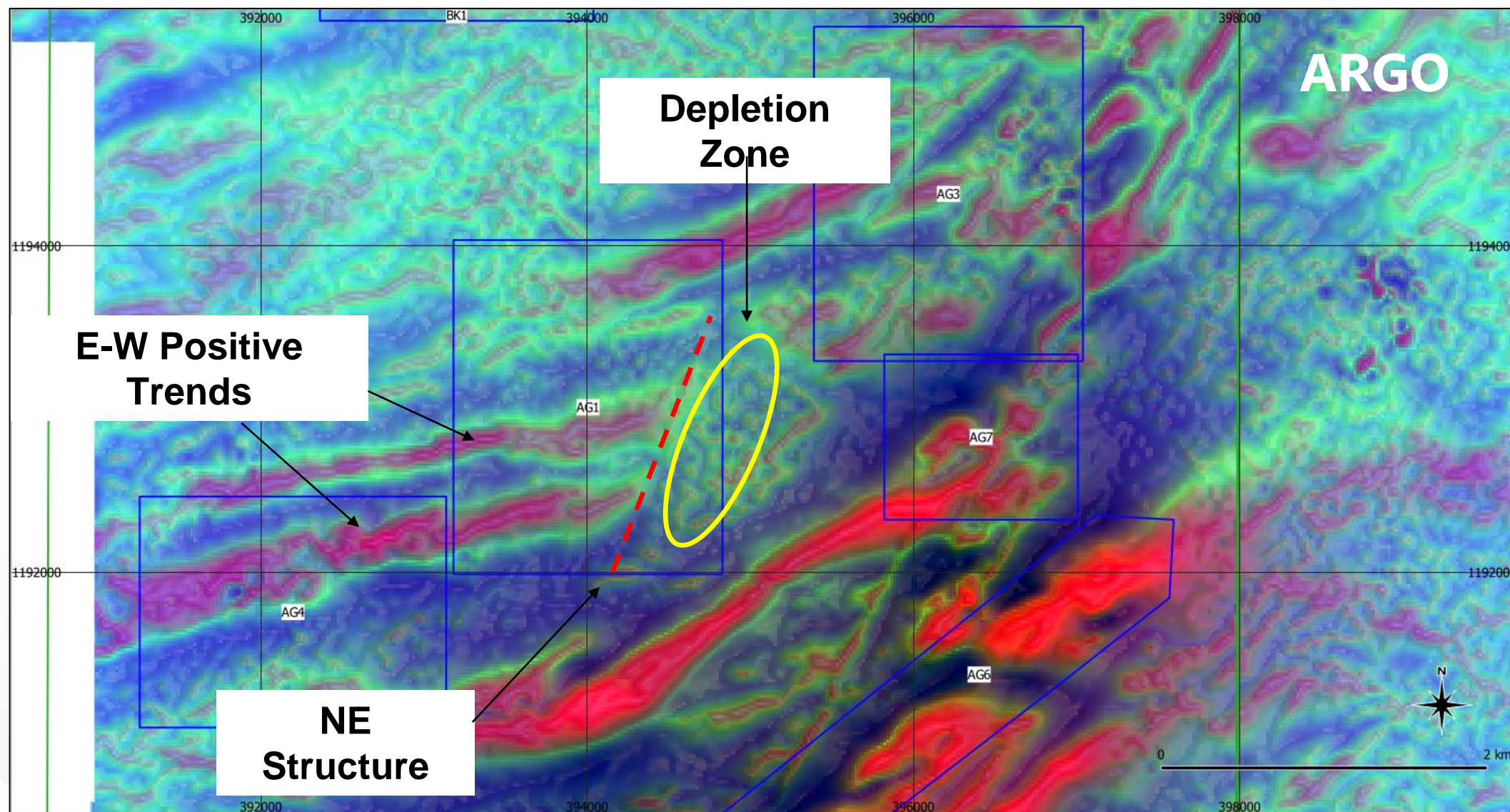


Argo exploration program

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

- 150 line km of gradient array IP ("GAIP") along the major trends and contacts (in progress), with pole-dipole IP ("P-DIP") follow up on best anomalies
- Regional scale gravity survey (including Argo permit)
- Reprocessing of previous geophysics survey data
- Auger ("AG") grids 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 GAIP survey completed





Airborne magnetics reprocessing

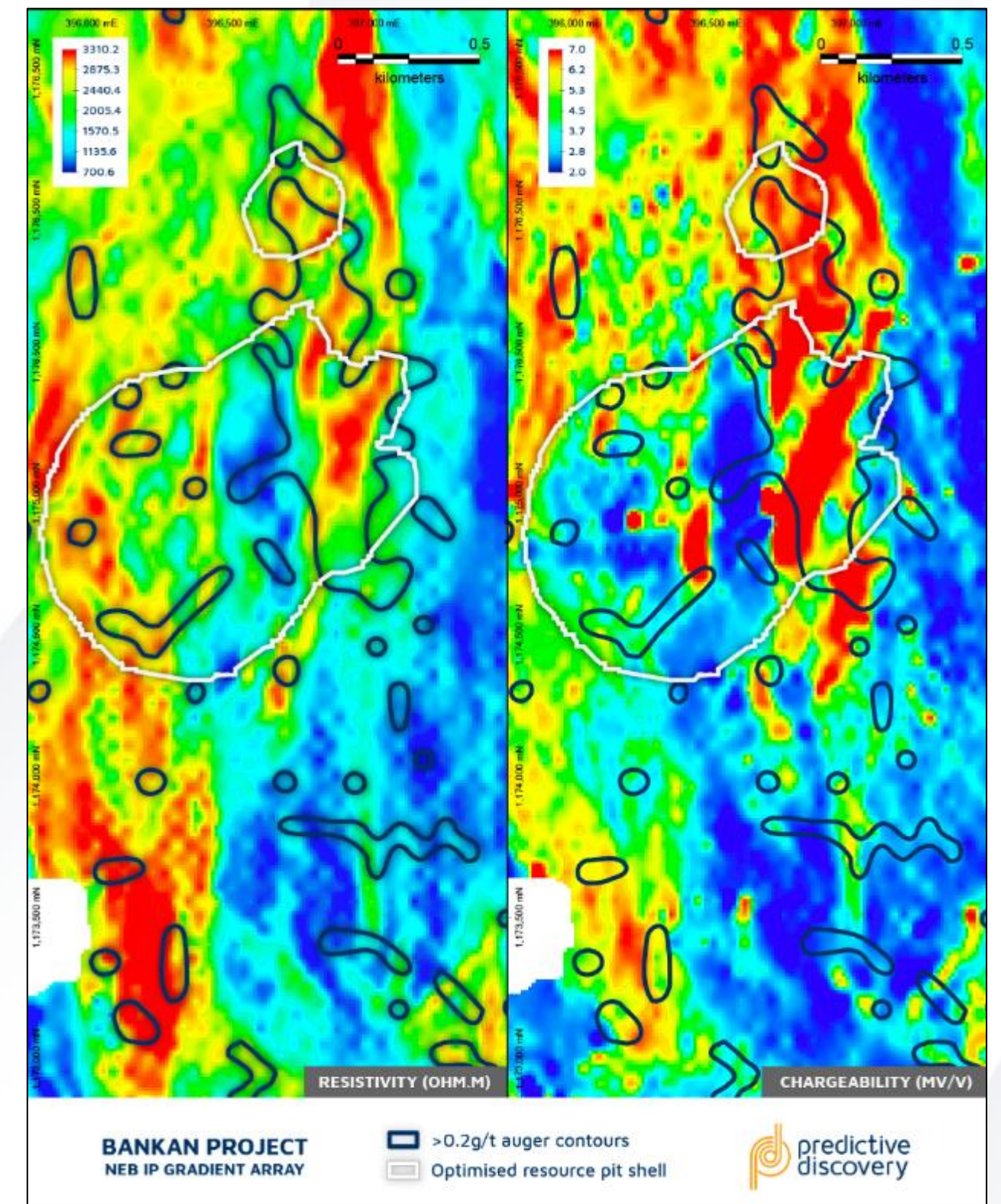
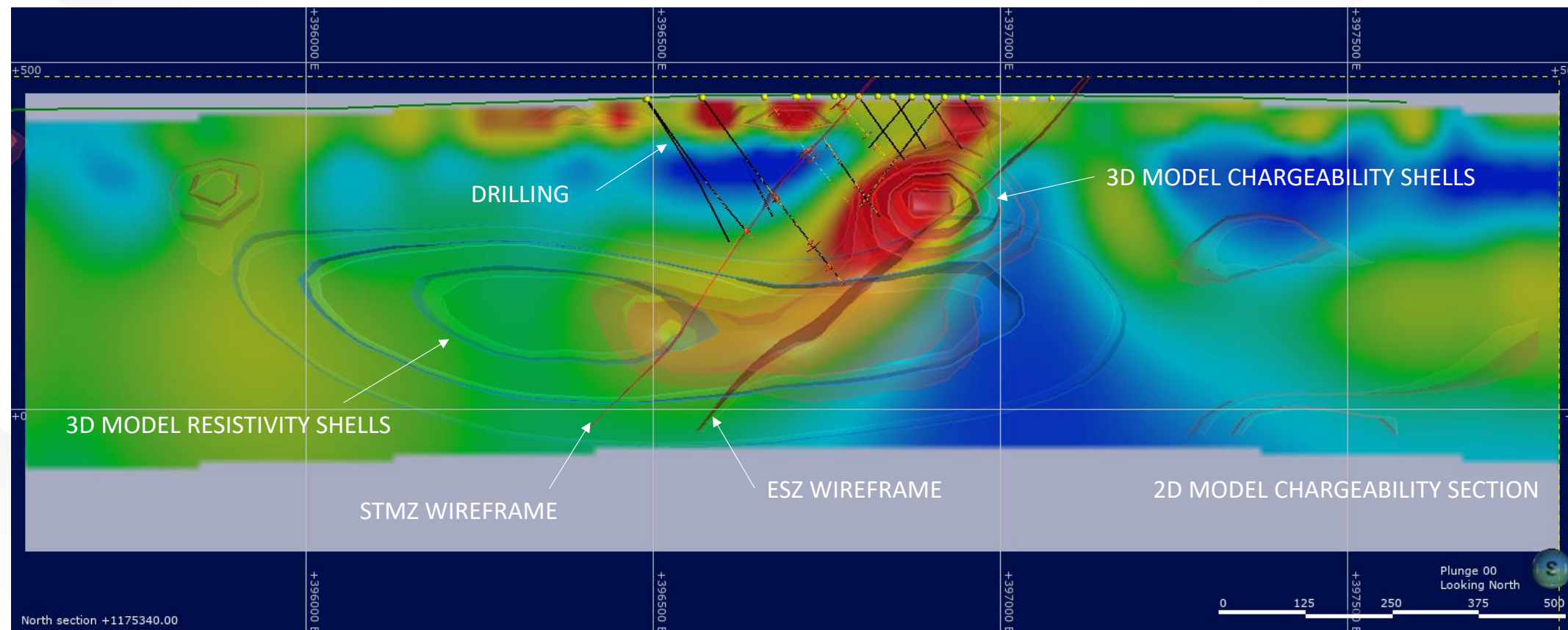
Further evaluation of airborne magnetics data has upgraded the AG1 for BC style mineralisation

- 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

NEB IP results recap

Following successful program at NEB, geophysics surveys (particularly IP) will be critical for regional exploration

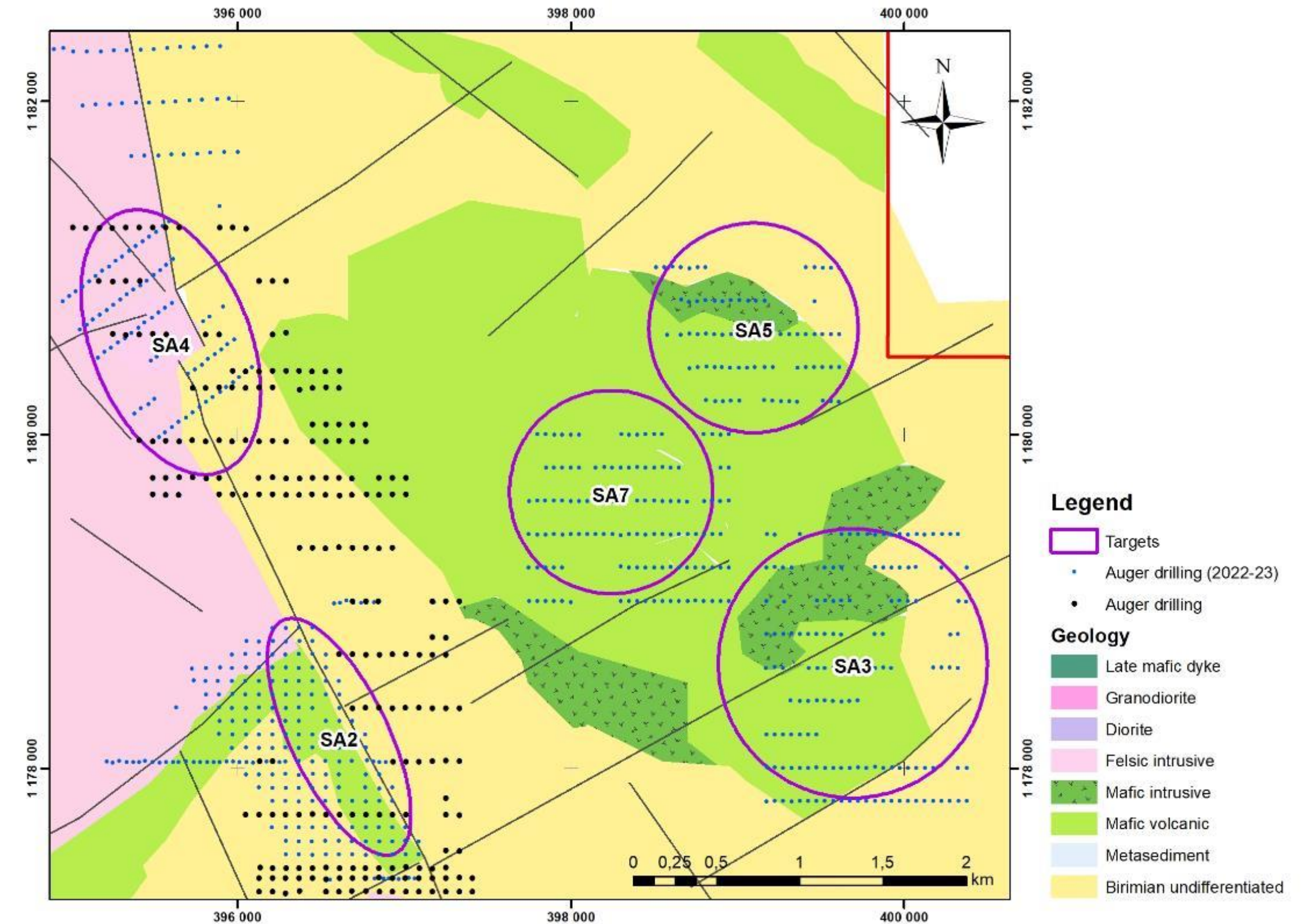
- Comprehensive petrophysics and ground geophysics program completed at NEB in 2022
- Ground geophysics techniques included GAIP, P-DIP, magnetics and gravity
- IP methods most successfully at identifying the NEB deposit
- NEB mapped over ~500m in the near surface (using 2D GAIP) and to an IP detection depth of ~400m (using 3D P-DIP). Clearly mapped as a west dipping, moderately plunging chargeability feature
- Success of the NEB program highlights IP techniques as an important tool in regional exploration and target generation/refinement



Saman targets

Additional prospective targets located 5km north-east of NEB

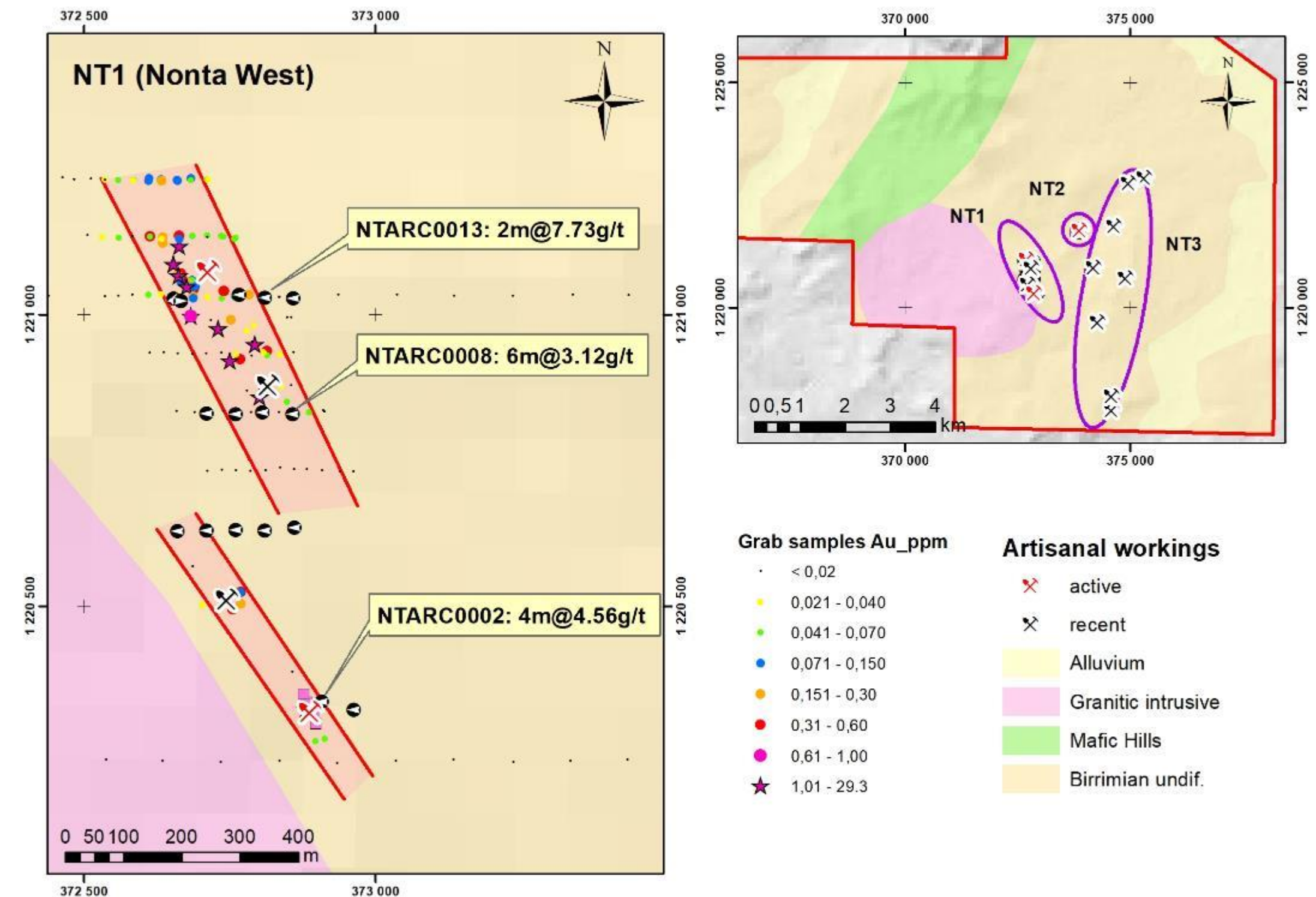
- Saman intrusive complex currently interpreted as mafic intrusives and volcanics
- Located 5km north-east of NEB and 7km west of Hummingbird's Kouroussa Gold Mine
- First pass AG grid on targets SA3, SA5 and SA7 completed in February 2023 with results pending



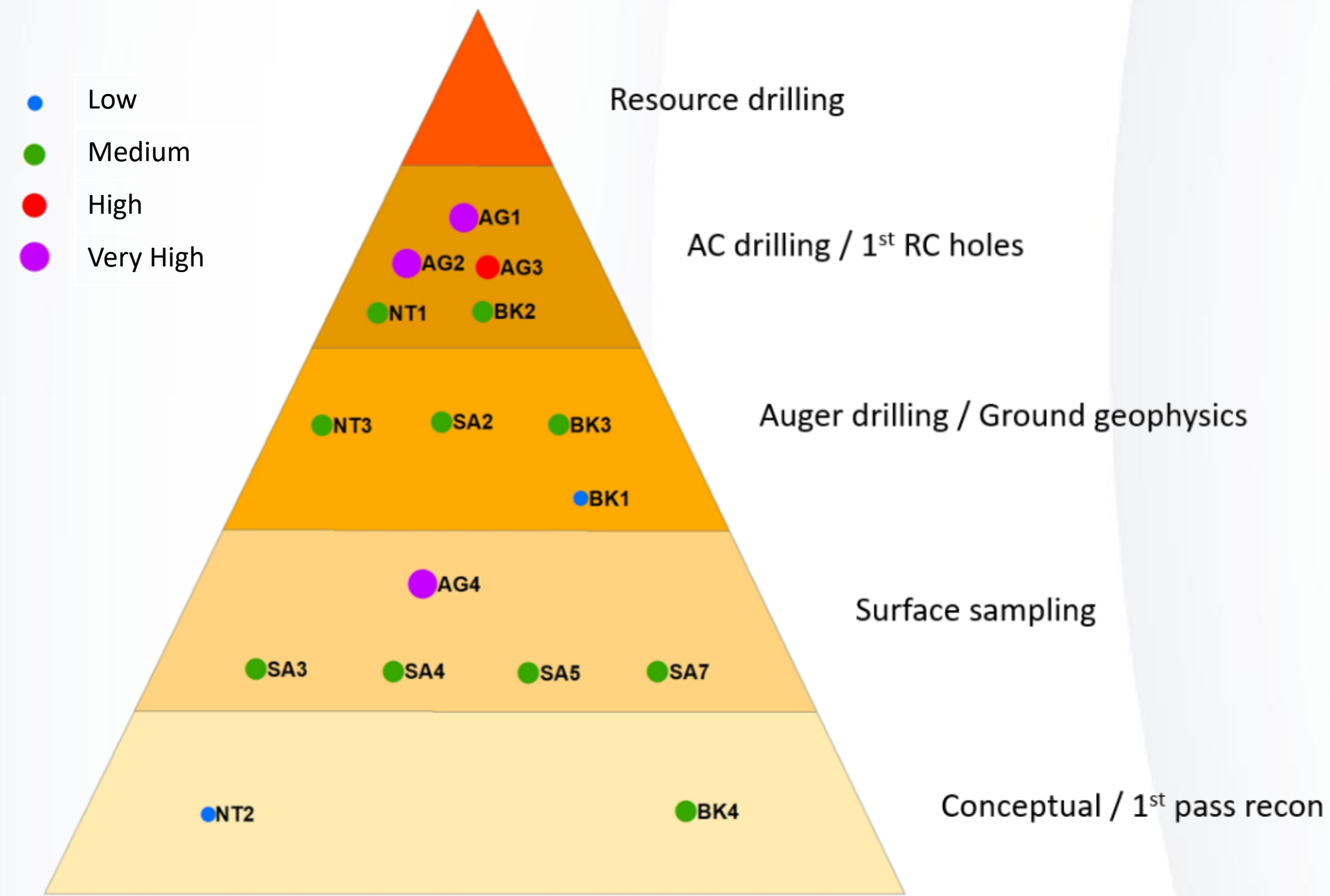
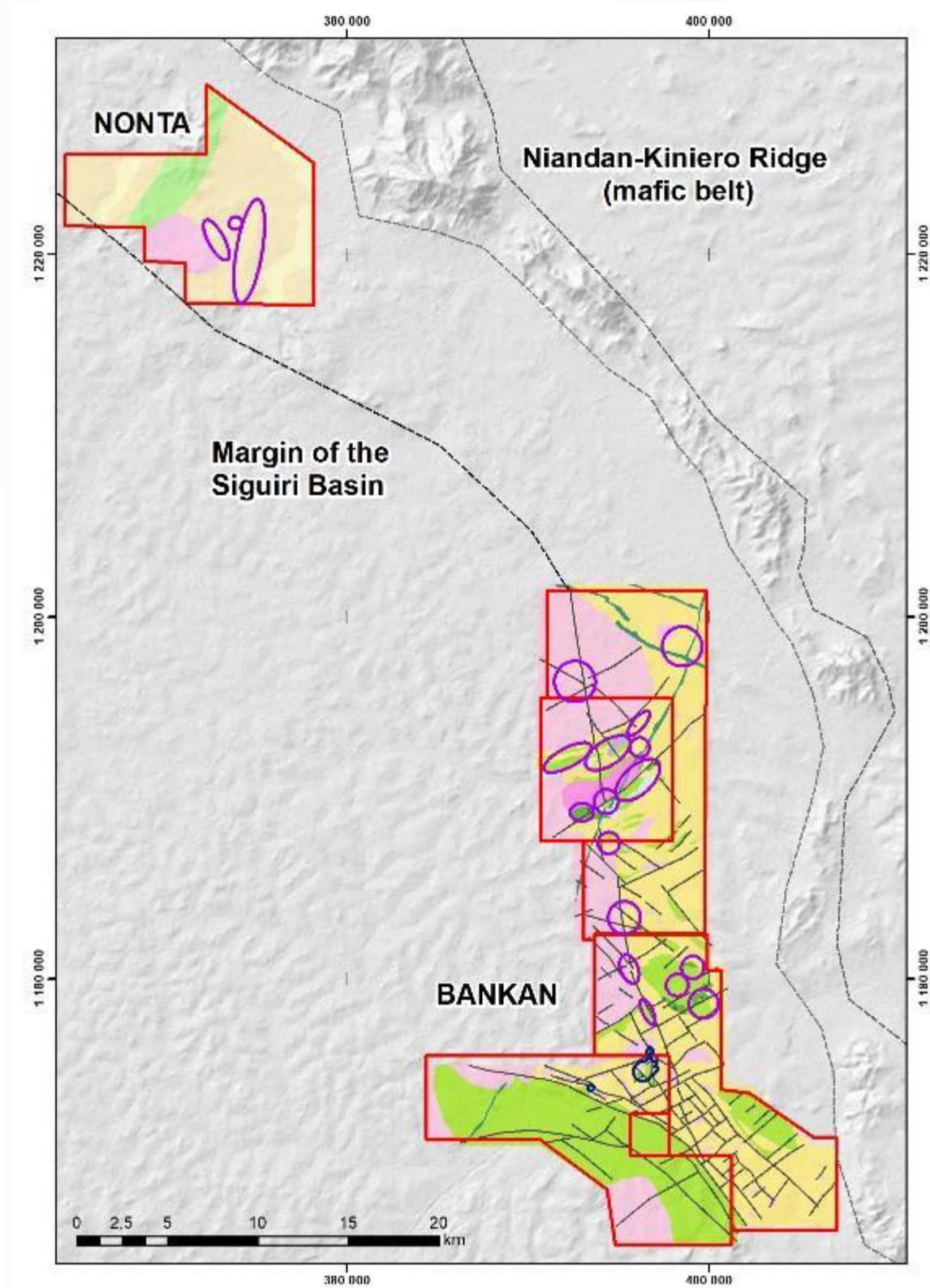
Nonta

Prospective permit located north-west of the Bankan permits

- Located close to the Siguiri basin edge 50km north-west of NEB
- Very important artisanal mining site active since 2014
- NT1 prospect: 1km long NW-SE structure with grab samples in saprolite returning values up to 29.3g/t
- First pass RC drilling in 2022
 - 6m @ 3.12g/t in NATRC0008
 - 4m @ 4.56g/t in NATRC0002
 - 2m @ 7.73g/t in NATRC0013




Regional targets ranking



Regional targets






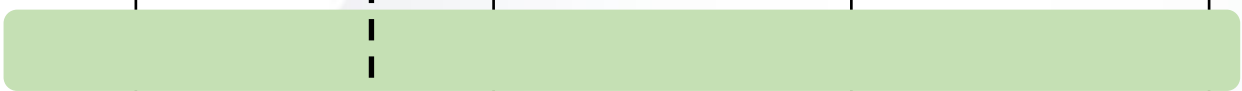









An aerial photograph showing a construction site in a wetland or marshy area. A large red crane is the central focus, surrounded by various pieces of construction equipment, including trucks and smaller vehicles. The ground is muddy and waterlogged, with patches of green vegetation and trees scattered around. The scene is captured from a high angle, providing a clear view of the site's layout and the surrounding environment.

Seeking to prove up
the full potential of
the Bankan permits

Scoping Study Update

Scoping Study activities & timeline

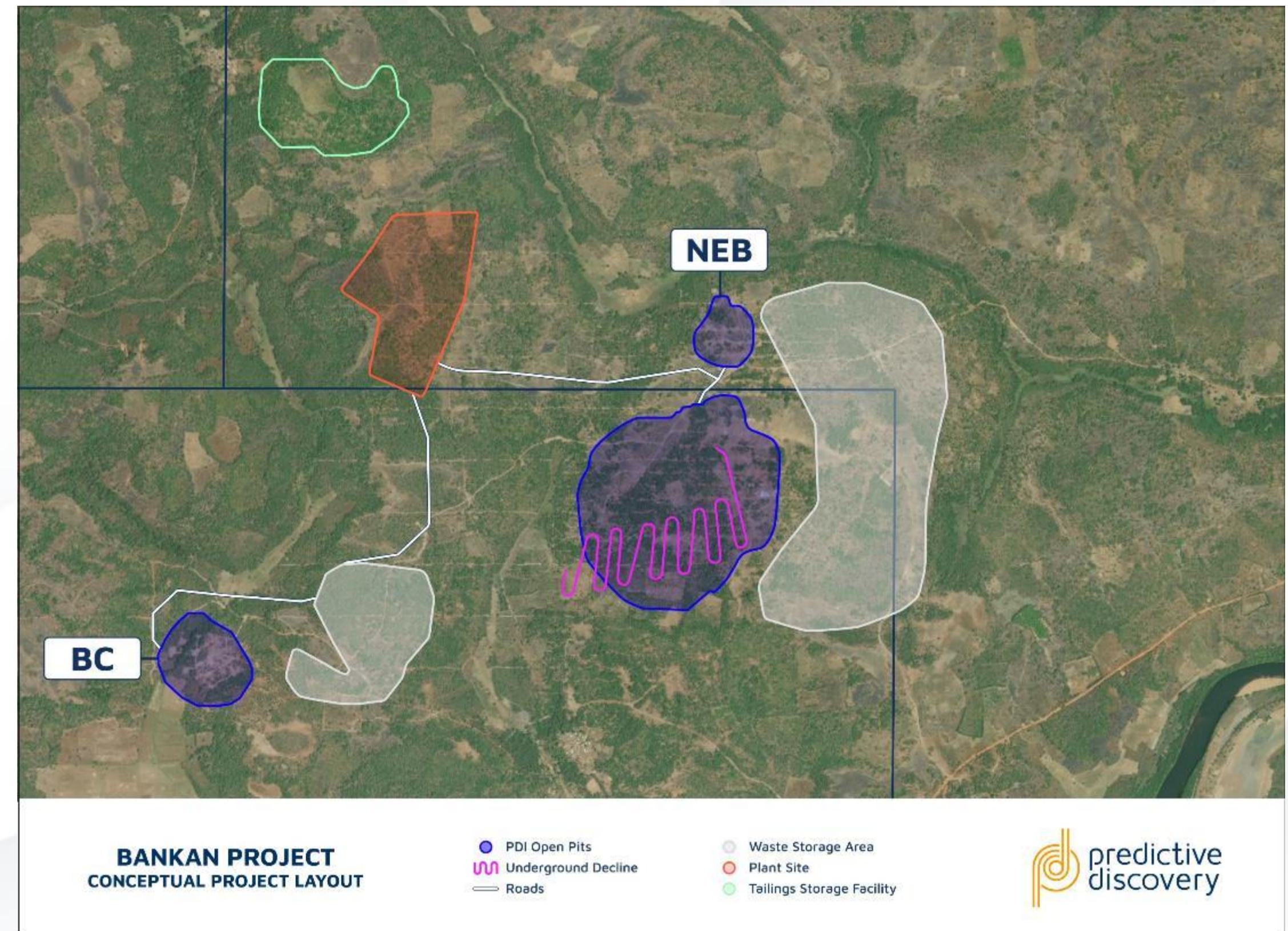
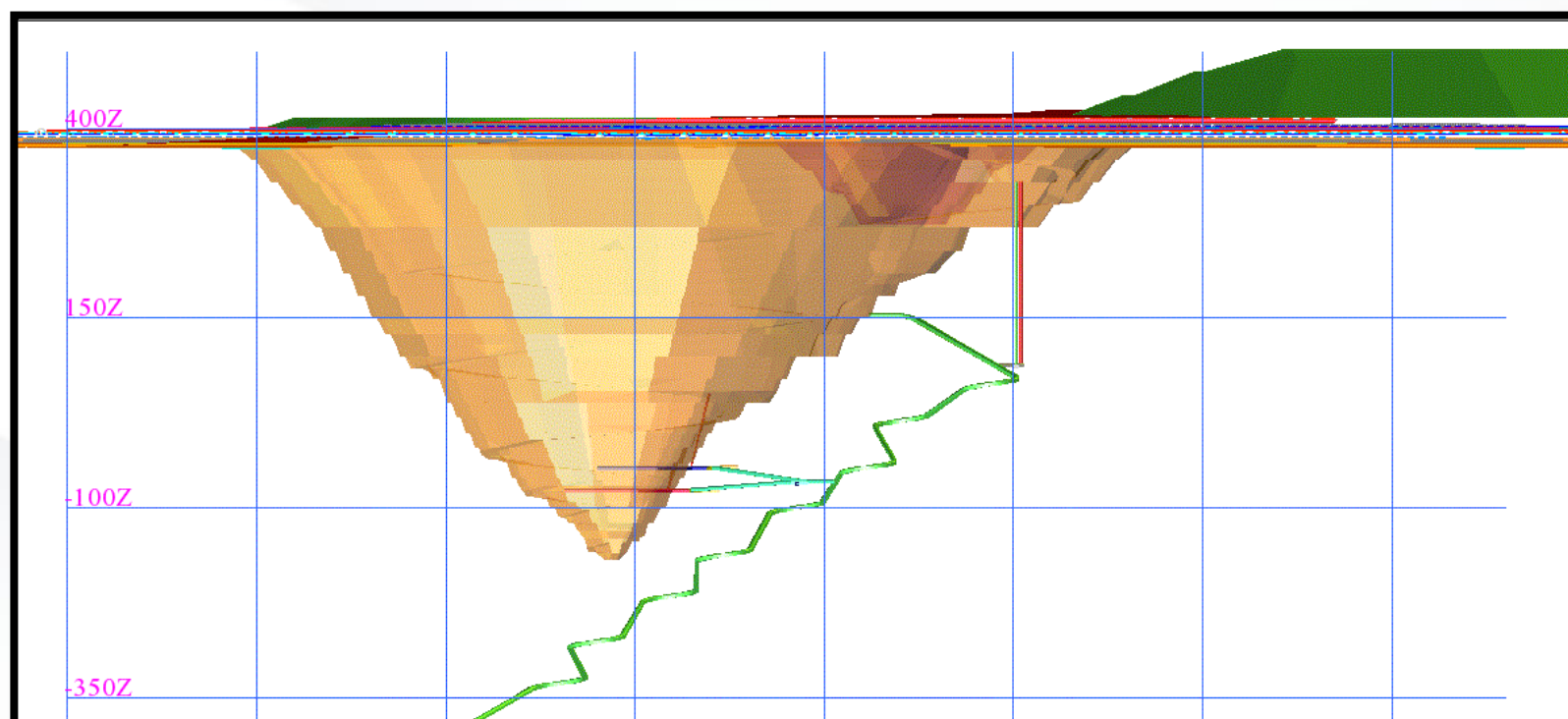
Initial progress in key areas. Further infill drilling / resource upgrade and ESG studies critical path for completion

Activity	2022					2023			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Resource infill drilling									
Resource extension drilling									
Resource/reserve update			★		★		★	★	
ESG studies									
ESIA									★
Geotech drilling & studies									
Water studies									
Mine engineering & planning									
Met testwork & process design									
Cost estimation & economics									
Report compilation							 ★		

Conceptual project layout

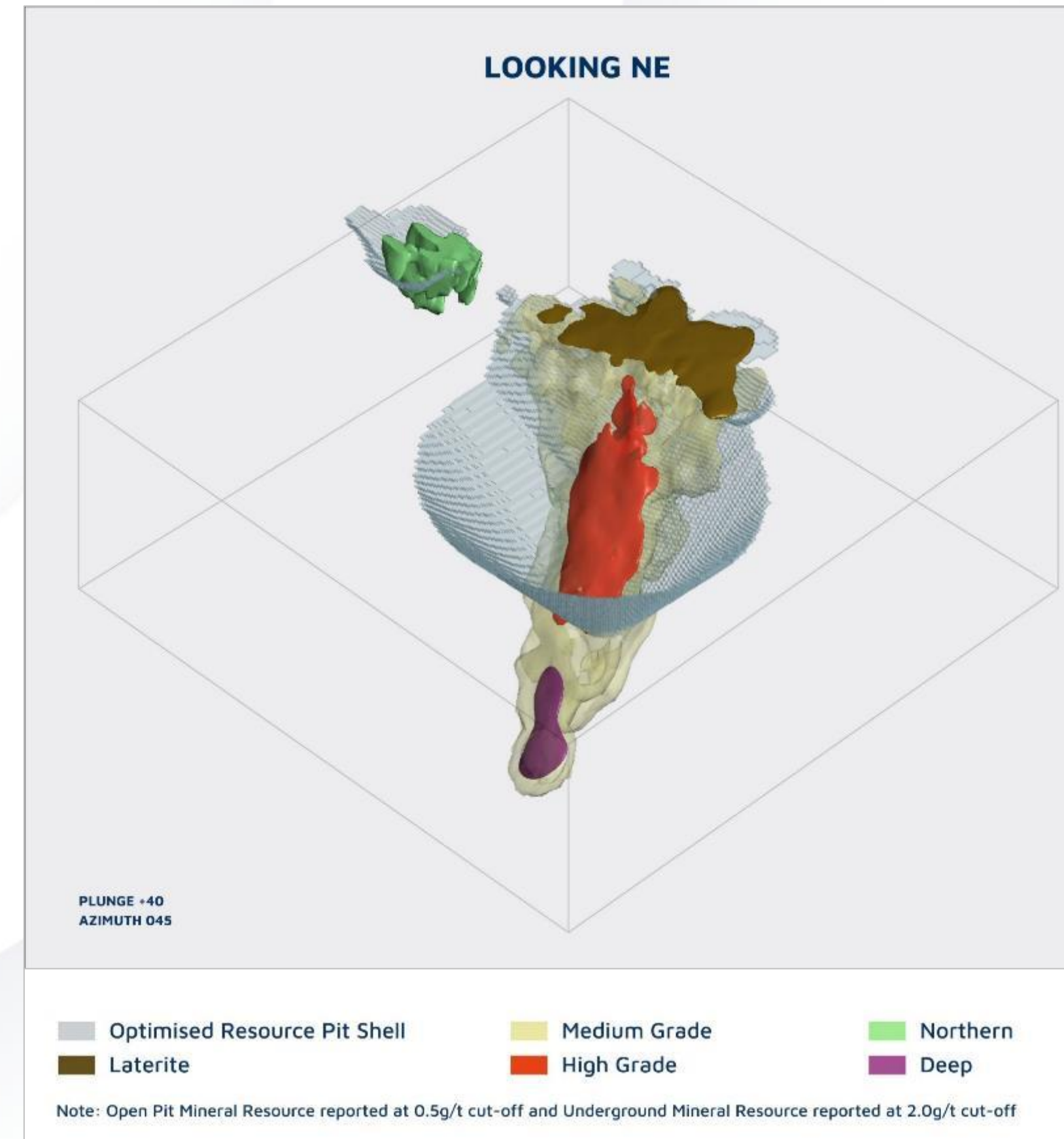
Initial layout prepared to allow progression of ESG studies, and will be refined as the Scoping Study concludes

- 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



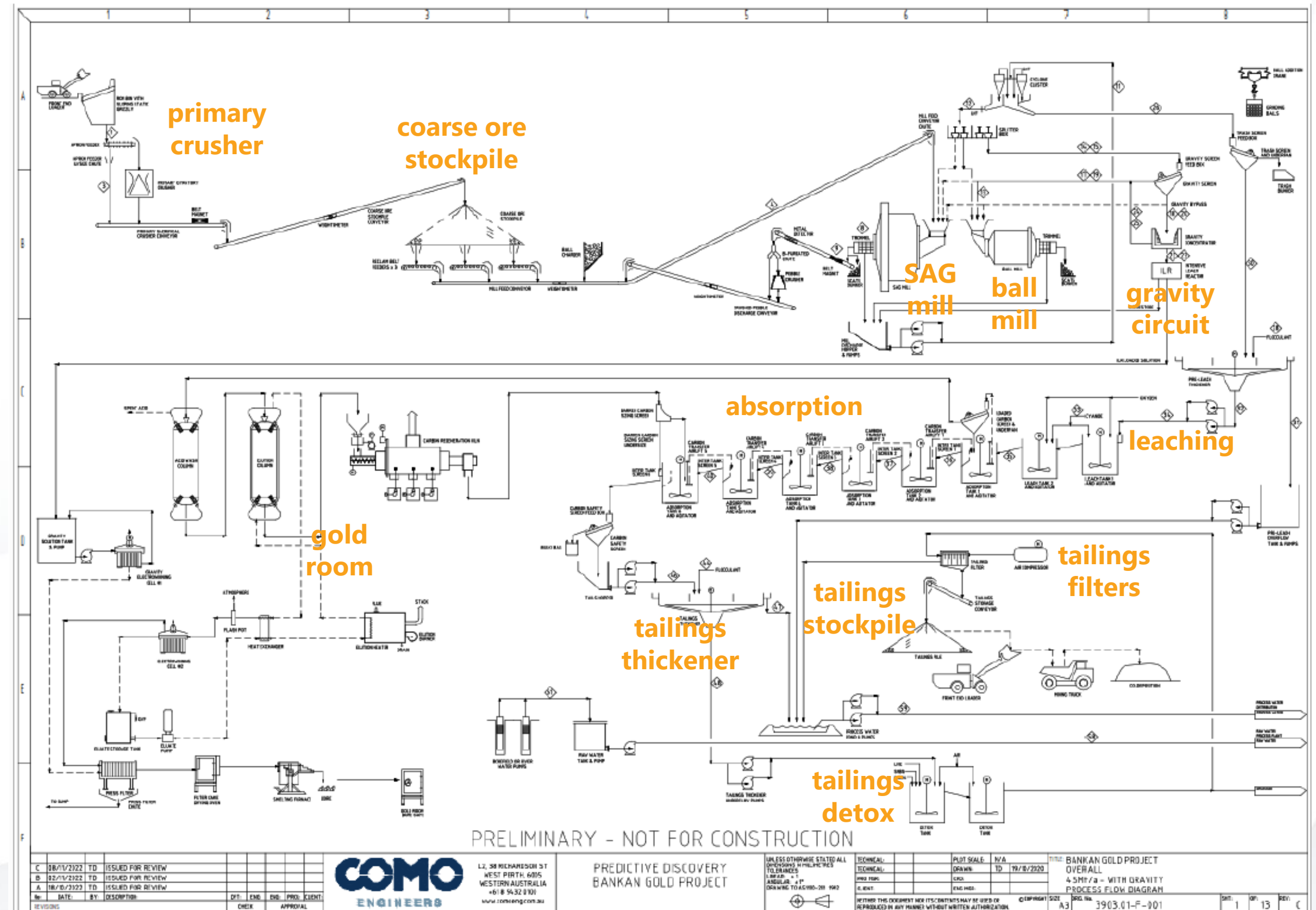
Straightforward and simple metallurgy

- 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

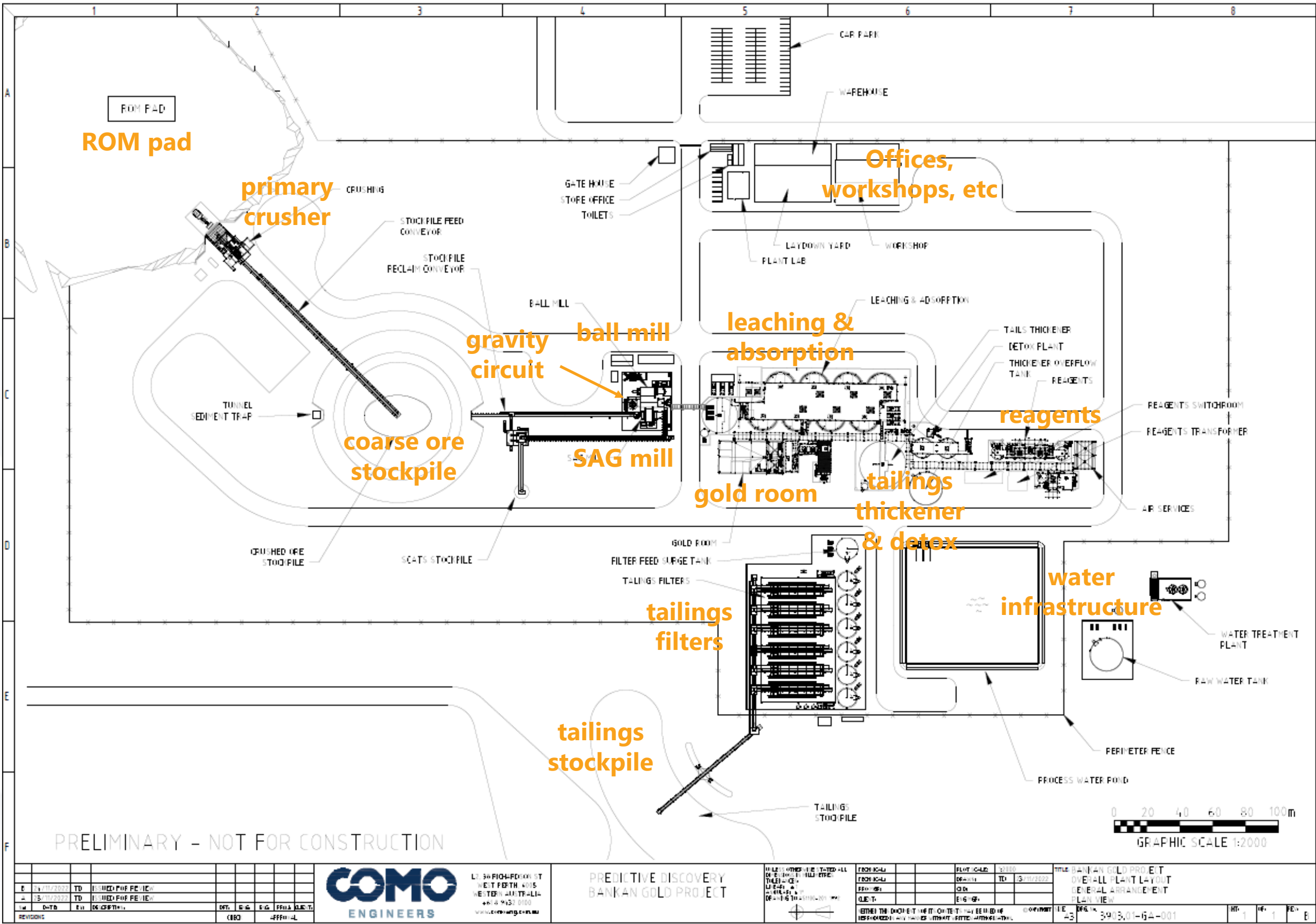


Conventional CIL processing with gravity circuit

- Conceptual processing flow sheet shown
- Single stage crushing to a SAG mill and ball mill
- Alternatives for future consideration:
 - Three stage crushing to ball mill
 - Two stage crushing plus HPGR to ball mill
- Closed gravity gold circuit
- Conventional CIL processing
- Integral cyanide destruction prior to tailings deposition
- Tailings filters to facilitate dry stacked tails
 - Alternative for future consideration: centrally discharged paste TSF

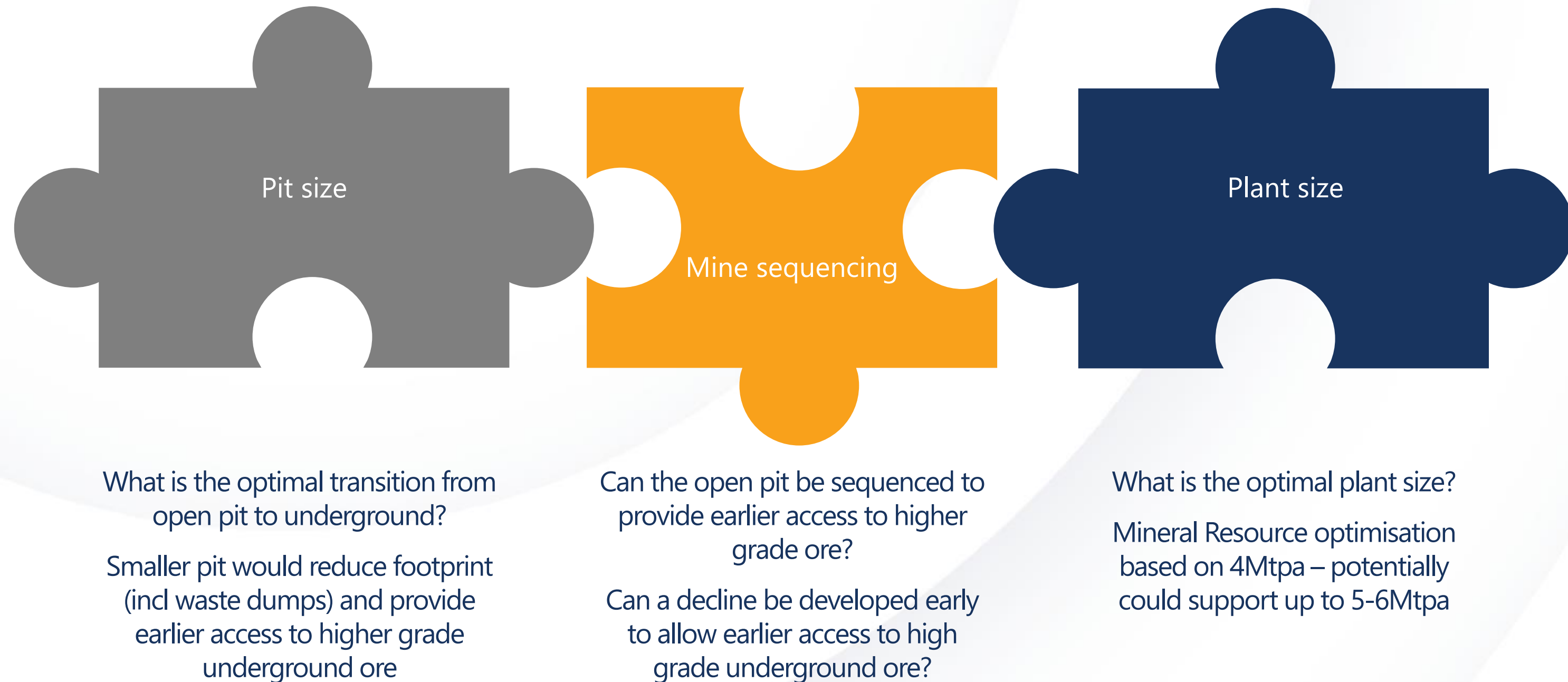


Conceptual project layout



Key Considerations

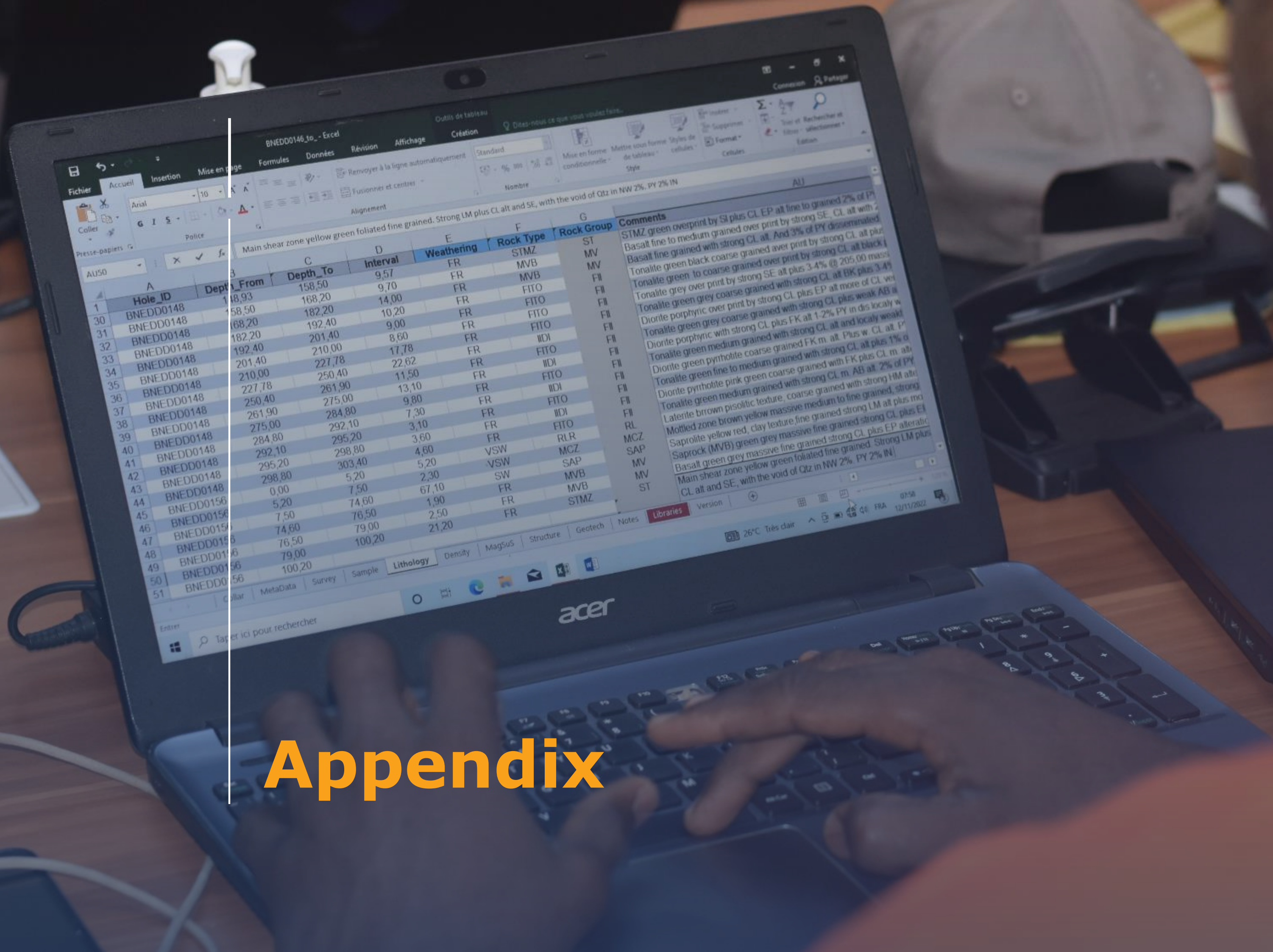
Various trade-offs and scenarios will be considered in the Scoping Study and beyond



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 process
- 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



Appendix

Capital structure

1,786M

Shares on issue

A\$32M

Cash (at 31 December 2022)

A\$312M

Market cap (at 10 March 2023)

Technical partners



Research



Bankan Project Mineral Resource

Updated Bankan Mineral Resource estimate

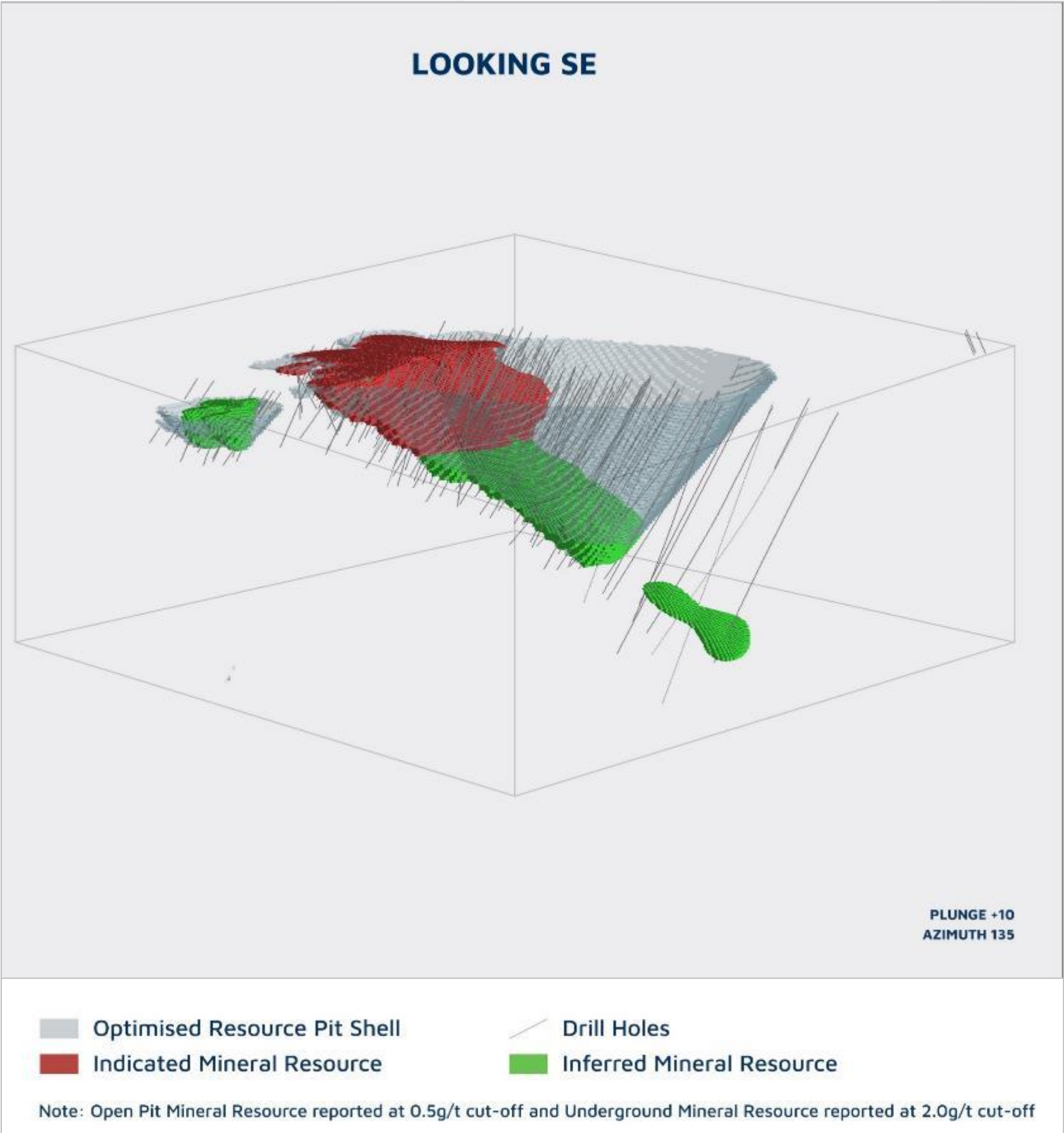
Deposit	Classification	Cut-off (g/t Au)	Tonnes (Mt)	Grade (g/t Au)	Contained (Koz Au)
NEB Open Pit	Indicated	0.5	42.7	1.27	1,747
	Inferred	0.5	24.7	2.23	1,768
	Total		67.4	1.62	3,515
NEB Underground	Inferred	2.0	2.2	4.75	335
NEB Total			69.6	1.72	3,850
BC Open Pit	Inferred	0.5	7.2	1.42	331
Total Bankan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

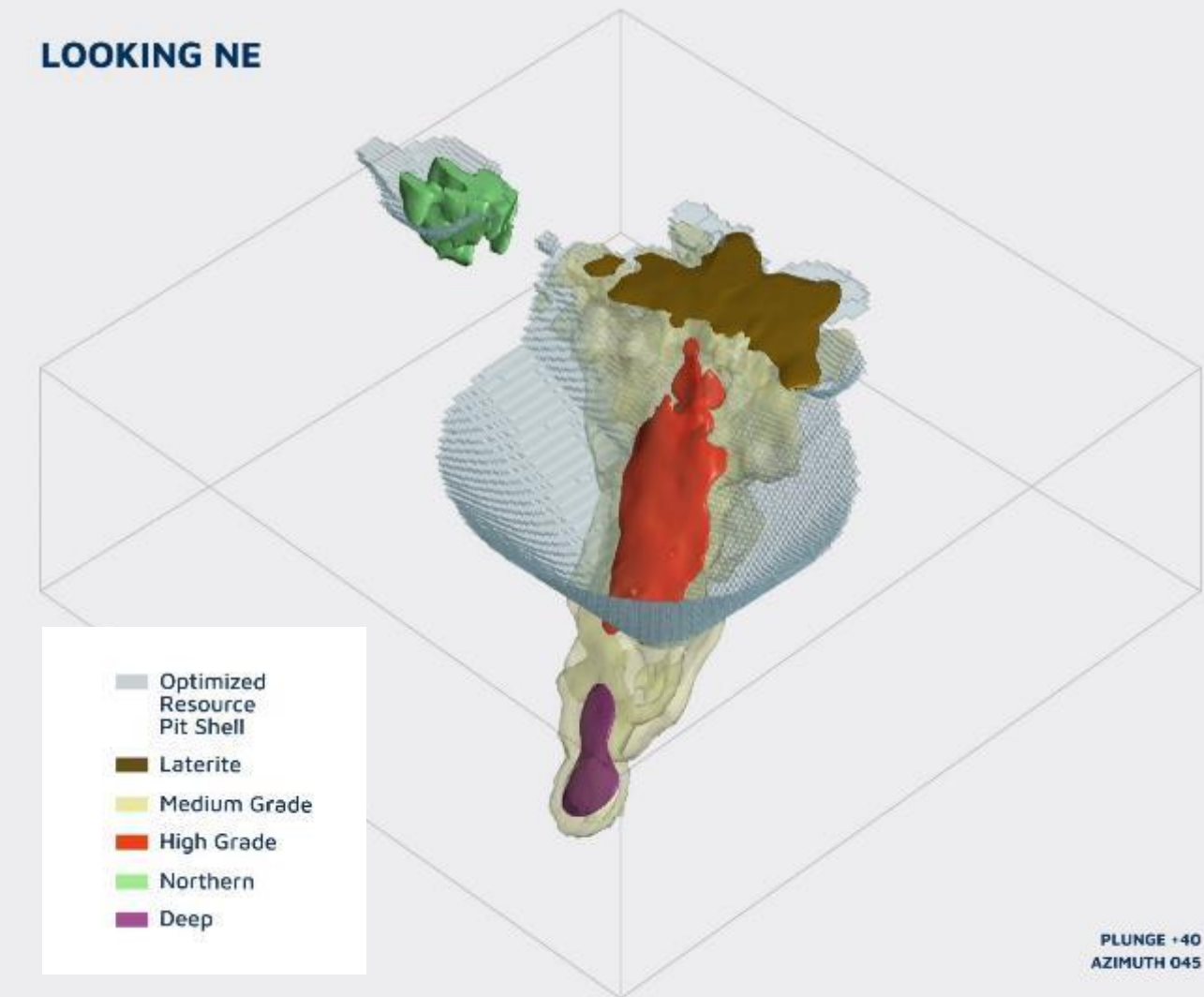


Bankan Project Mineral Resource

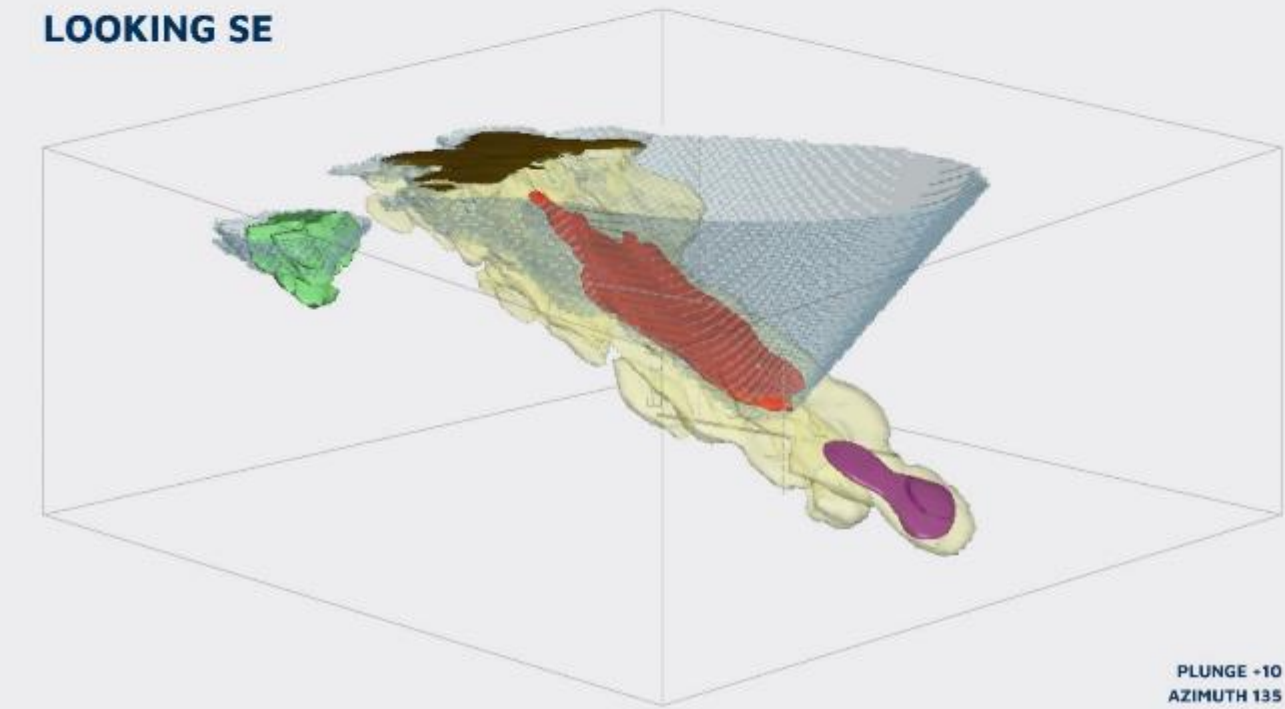
NEB Mineral Resource Estimate by Domain

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

LOOKING NE



LOOKING SE



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

Material ASX Releases

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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