

RAPIDLY GROWING SHALLOW HIGH-GRADE OUNCES AT ABUJAR



February 2020

Schroeder Equities Australian Resources Conference

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expected, planned or intended, recipients should not place undue reliance on these intentions, expectations, future plans, strategy and prospects. The Company does not warrant or represent that the actual results, performance or achievements will be as expected, planned or intended.

COMPETENT PERSONS STATEMENT

The information in this presentation that relates to Exploration Targets and Exploration Results is based on information compiled by Mr Mark Strizek, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Strizek is a non-executive director of the Company. Mr Strizek has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaking to qualify as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Strizek consents to the inclusion in the announcement of the matters based on his information in the form and context in which it appears. Additionally, Mr Strizek confirms that the entity is not aware of any new information or data that materially affects the information contained in the ASX releases referred to in this presentation.

The information in this presentation that relates to Mineral Resources was prepared by RPM Global and released on the ASX platform on 12 November 2019. The Company confirms that it is not aware of any new information or data that materially affects the relating to Minerals Resources in this publication. The Company confirms that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. The Company confirms

that the form and context in which the RPM Global's findings are presented have not been materially modified.

The information in this report that relates to Mineral Resources is based on information evaluated by Mr Jeremy Clark who is a Member of The Australasian Institute of Mining and Metallurgy (MAusIMM) and who has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Clark is a Director of RPM Global and he consents to the inclusion of the estimates in the report of the Mineral Resource in the form and context in which they appear.

COMPLIANCE STATEMENT

This presentation contains information extracted from ASX market announcements reported in accordance with the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" ("2012 JORC Code") and available for viewing at www.tietto.com. Includes results reported previously and published on ASX platform, 16 January 2018, 27 March 2018, 23 April 2018, 8 May 2018, 7 June 2018, 4 October 2018, 1 November 2018, 28 November 2018, 31 January 2019, 26 February 2019, 12 March 2019, 19 March 2019, 9 April 2019, 9 May 2019, 30 May 2019, 9 July 2019, 26 July 2019, 2 October 2019, 24 October 2019, 12 December 2019 and 23 January 2020. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous announcements.

Tietto Minerals' Growth with Focus in Côte D'Ivoire



In Stable and vastly under-explored mining jurisdiction

EXTENSIVE GREENSTONE BELTS

Holds West Africa's largest share of greenstone belts for prospective gold (around 34%)

FATESTED GROWING GOLD PRODUCING COUNTRY IN REGION

32.6t of gold produced from 5 mines in 2019

TIETTO MINERALS COMMENCEMENT IN COTE DIVOIRE

Commenced mid 2012 - at the end of CDI's domestic crisis

FAVORABLE FISCAL TERMS

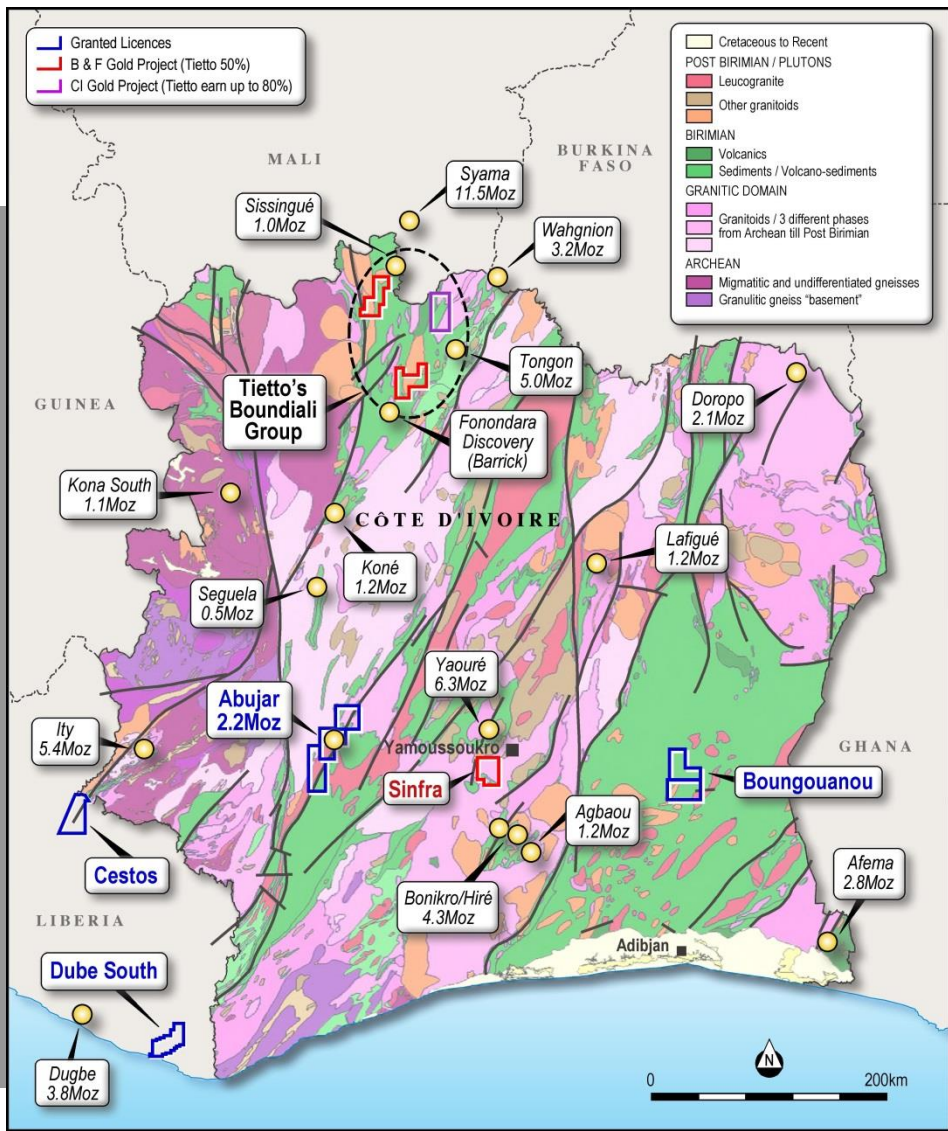
Very favourable 5 year corporate tax free holiday followed by 25% corporate tax and 4% Gov't Royalty^

STRONG GOVERNMENT SUPPORT

Tenements granted for 4 year term with two 3 year extensions available plus a further 2 year special extension

OUTSTANDING INFRASTRUCTURE

One of Africa's most well developed nations with outstanding infrastructure.



ABUJAR GOLD PROJECT (DISCOVERY of ABUJAR MIDDLE TENEMENT)



Walking across the Liberia/CDI border to visit the Abujar artisanal mining sites on 16/3/2014



Artisanal pit on AG deposit on 17/3/2014



Artisanal mining through steel reinforced concrete wells on AG deposit on 17/3/2014



February 2020



Bull dozer used for artisanal mining operations on 17/3/2014



Massive artisanal miner's village at the AG deposit on 17/3/2014

ABUJAR GOLD PROJECT (DISCOVERY of ABUJAR NORTH TENEMENT)



Garmina North artisanal pit on 29/1/2016 (Abujar North tenement)



Garmina North artisanal pit on 15/12/2014 (Abujar North tenement)



Artisanal miners processing gold ore at Garmina North on 15/12/2014 (Abujar North tenement)

Steel reinforced concrete wells used at Garmina South on 15/12/2014 (Northern end of Abujar Middle tenement)



Steel reinforced concrete wells used at Garmina South on 15/12/2014 (Northern end of Abujar Middle tenement)

ABUJAR GOLD PROJECT

RAPIDLY EMERGING WEST AFRICAN PROJECT

RESOURCE UPDATE Q3 2020

Funded to aggressively grow resources via drilling and establish a standalone gold camp of scale

Substantial brown and green field exploration upside remaining as 90% of 70km mineralised structure untested

50,000m DRILLING PROGRAM TO DRIVE RESOURCE GROWTH

Four company diamond drill rigs delivering 50,000 metre drill programme at some of the lowest exploration costs in the gold sector

2.2MOZ RESOURCE - Nov 2019 600m OF ULTRA HIGH-GRADE GOLD FROM SURFACE

- 6 intervals > 200 Au gram-metres
- 13 intervals > 100 Au gram-metres
- 36 intervals > 50 Au gram-metres

CORPORATE

CAPITAL STRUCTURE

(ASX:TIE)

A\$0.28

Share price (18 Feb 2020)

A\$17.4 M

Cash (31 December 19)

Inclusive of Tranche 2
Placement funds of \$9.3M

340 M

Shares on
issue

NIL

Debt

A\$97.1 M

Market Capitalisation

A\$79.7 M

Enterprise Value

DIRECTORS

FRANCIS HARPER

Non Executive Chairman

DR CAIGEN WANG

Managing Director

DR PAUL KITTO

Technical Director

MARK STRIZEK

Executive Director

HANJING XU

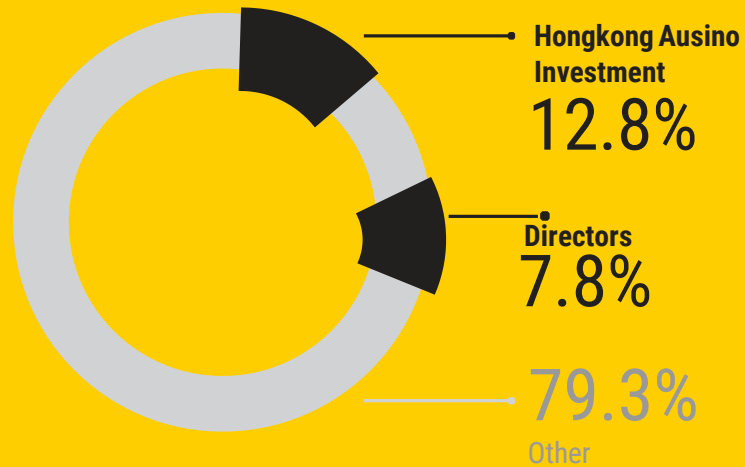
Non Executive Director



RESEARCH

HARTLEYS, EUROZ, ARGONAUT

SHAREHOLDERS



SHARE PRICE MOVEMENT



ABUJAR GOLD PROJECT

Delivering rapid resource growth

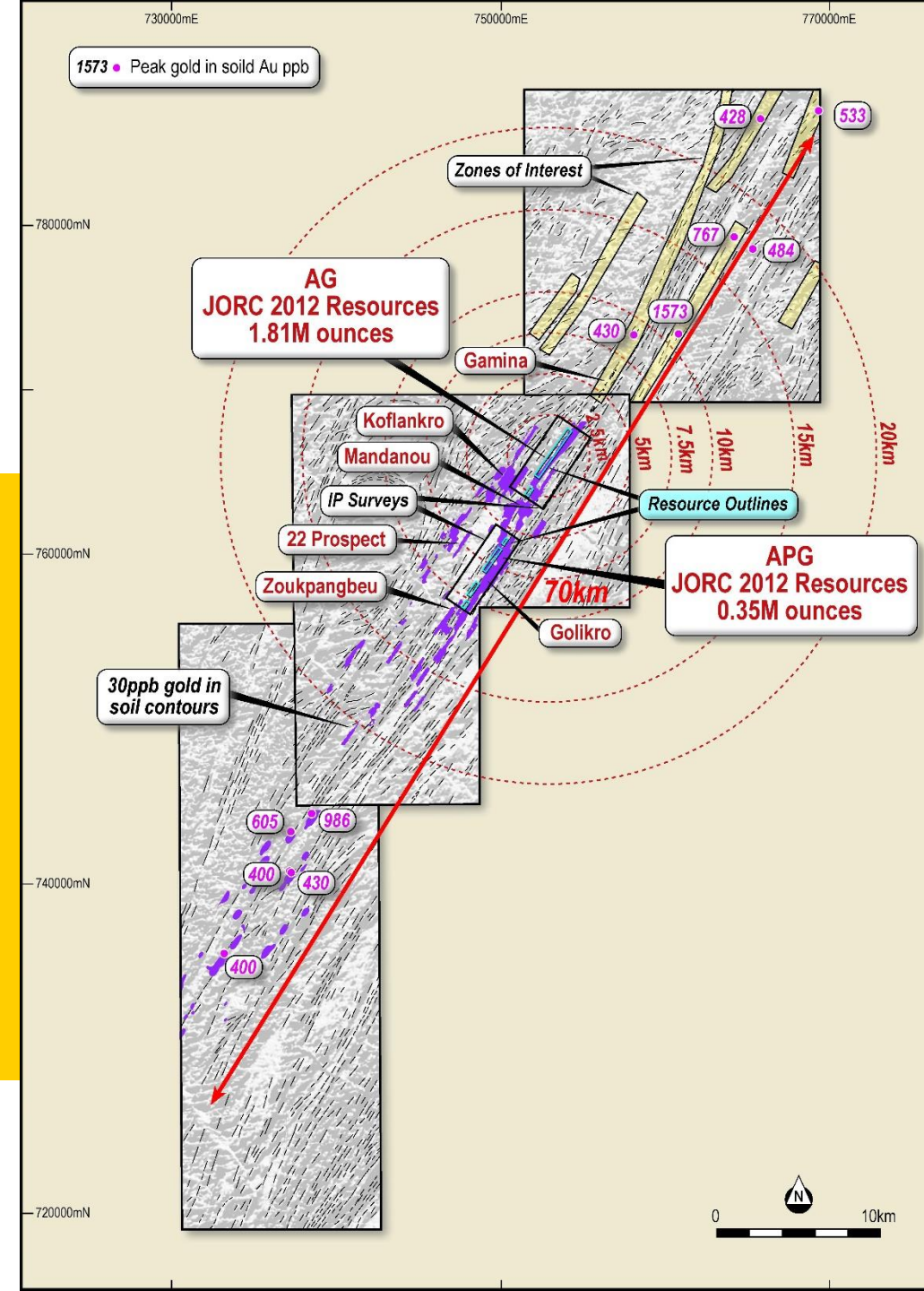
High grade core of 1.4 Moz at 2.2g/t Au

within JORC 2012 Resource of 45.5Mt at 1.5g/t Au for 2.15Moz

- 3 contiguous tenements 1,114km²
- JORC 2012 Resource contained within 2 main deposits:
 - AG** – 19.3Mt at 2.2g/t for 1.4Moz within 34.3Mt for 1.81Moz
 - APG** – 11.2Mt at 1.0 g/t for 0.35Moz
- Strike length of 70km, multiple mineralised structures, with less than 10% explored
- Preliminary metallurgy testwork demonstrates high gold recovery (>98%)
- 50,000m drilling program underway

4 company owned DD rigs (5th rig ordered)
currently drilling @ ~\$35/m, and rate of ~5,000m per month

February 2020



AG DEPOSIT

High-grade core of 1.4Moz and rapidly growing

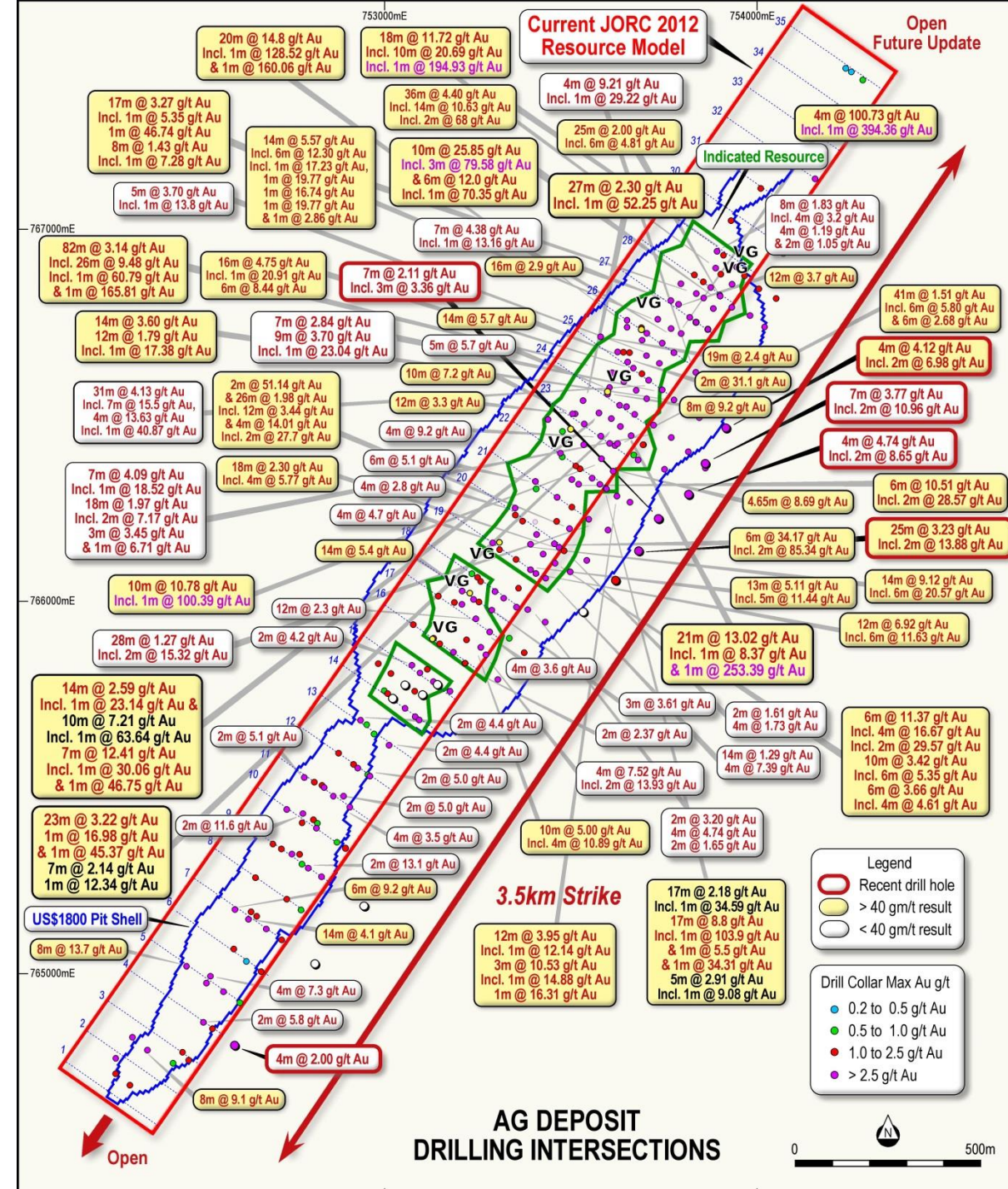
Ultra high grade from surface confirmed to 400m depth

Over 1.4kms of strike between lines 15 to 29 AG reports:

- 36 intervals > 50 Au gram metres
- 13 intervals > 100 Au gram metres
- 6 intervals > 200 Au gram metres

High-grade core of 1.4Moz at 2.2 g/t includes indicated resources of 9.6Mt at 2.5g/t for 0.76Moz.

AG resource now stands at >4,000 oz per vertical metre, suggesting potential for high margin open pit mining operation

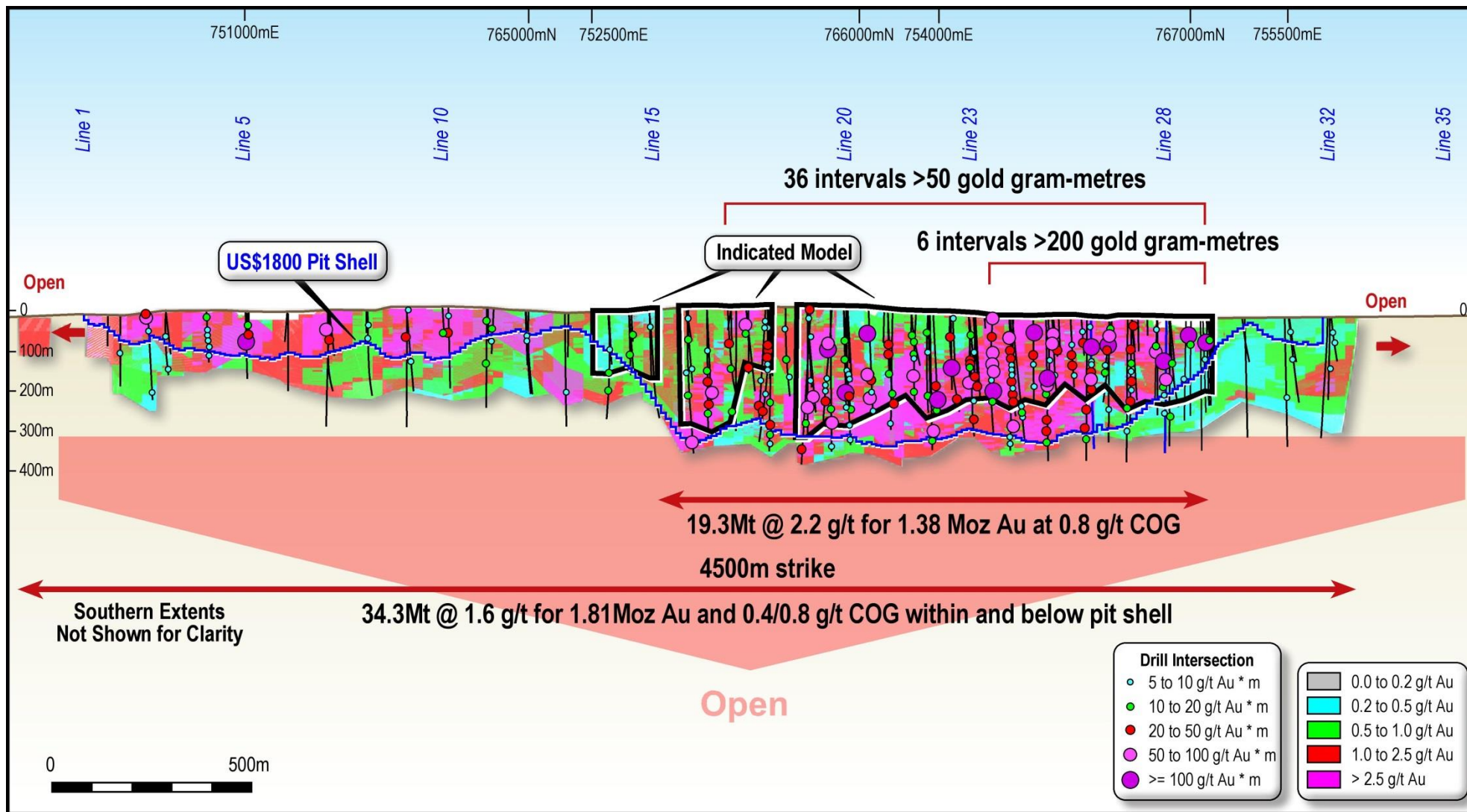


Ultra-high grade, shallow results (<100m vertical)

Section Line	Hole ID	Intersection	ASX release
17B	ARC17	6m @ 11.85 g/t Au, Inc. 2m @ 13.6 g/t Au, 2m @ 12.45 g/t Au and 2m @ 9.51 g/t Au	IPO Prospectus
19B	ZRC172	14m @ 9.12 g/t Au, Inc. 2m @ 58.57 g/t Au	1/11/2018
19B	ZRC187	4m @ 16.67 g/t Au, Inc. 2m @ 29.57 g/t Au	19/03/2019
20B	ZRC188	2m @ 51.14 g/t Au	26/02/2019
23B	ZDD093	27m @ 2.30 g/t Au, Inc. 1m @ 52.25 g/t Au	24/10/2019
	ZDD096	10m @ 7.21 g/t Au, Inc. 1m @ 63.64 g/t Au 7m @ 12.41 g/t Au Inc. 1m @ 30.06 g/t Au and 1m @ 46.75 g/t Au	24/10/2019
	ZDD092	23m @ 3.22 g/t Au Inc. 1m @ 16.98 g/t Au and 1m @ 45.37 g/t Au	24/10/2019
24	ZRC044	18m @ 4.25 g/t Au, Inc. 2m @ 29.58 g/t Au and 2m @ 7.35 g/t Au	Prior to IPO
24B	ZDD084	20m @ 14.80 g/t Au, Inc. 1m @ 128.52 g/t Au and 1m @ 160.06 g/t Au and 1m @ 2.38 g/t Au	2/10/2019
25	ZDD081	16m @ 4.75 g/t Au, Inc. 1m @ 20.91 g/t Au and 6m @ 8.44 g/t Au	26/09/2019
26	ZDD082	82m @ 3.14 g/t Au Inc. 26m @ 9.48 g/t Au, 1m @ 60.79 g/t Au, and 1m @ 165.81 g/t Au	2/10/2019
26B	ZDD035	4m @ 100.73 g/t Au, Inc. 1m @ 394.36 g/t Au	9/05/2019
27B	ZDD029	6m @ 12.30 g/t Au, Inc. 1m @ 17.23 g/t Au, 1m @ 19.77 g/t Au, 1m @ 16.74 g/t Au and 1m @ 19.68 g/t Au	19/03/2019
28	ZDD043	10m @ 25.85 g/t Au, Inc. 1m @ 35.42 g/t Au, 1m @ 100.62 g/t Au and 1m @ 102.71 g/t Au	30/05/2019
28B	ZDD028	10m @ 20.69 g/t Au, Inc. 1m @ 194.93 g/t Au from 40m	19/03/2019
29	ZDD027	36m @ 4.40 g/t Au, Inc. 1m @ 103.17 g/t Au and 1m @ 33.45 g/t Au	12/03/2019

AG DEPOSIT

Mineralisation open at depth, down dip and along strike



AG DEPOSIT

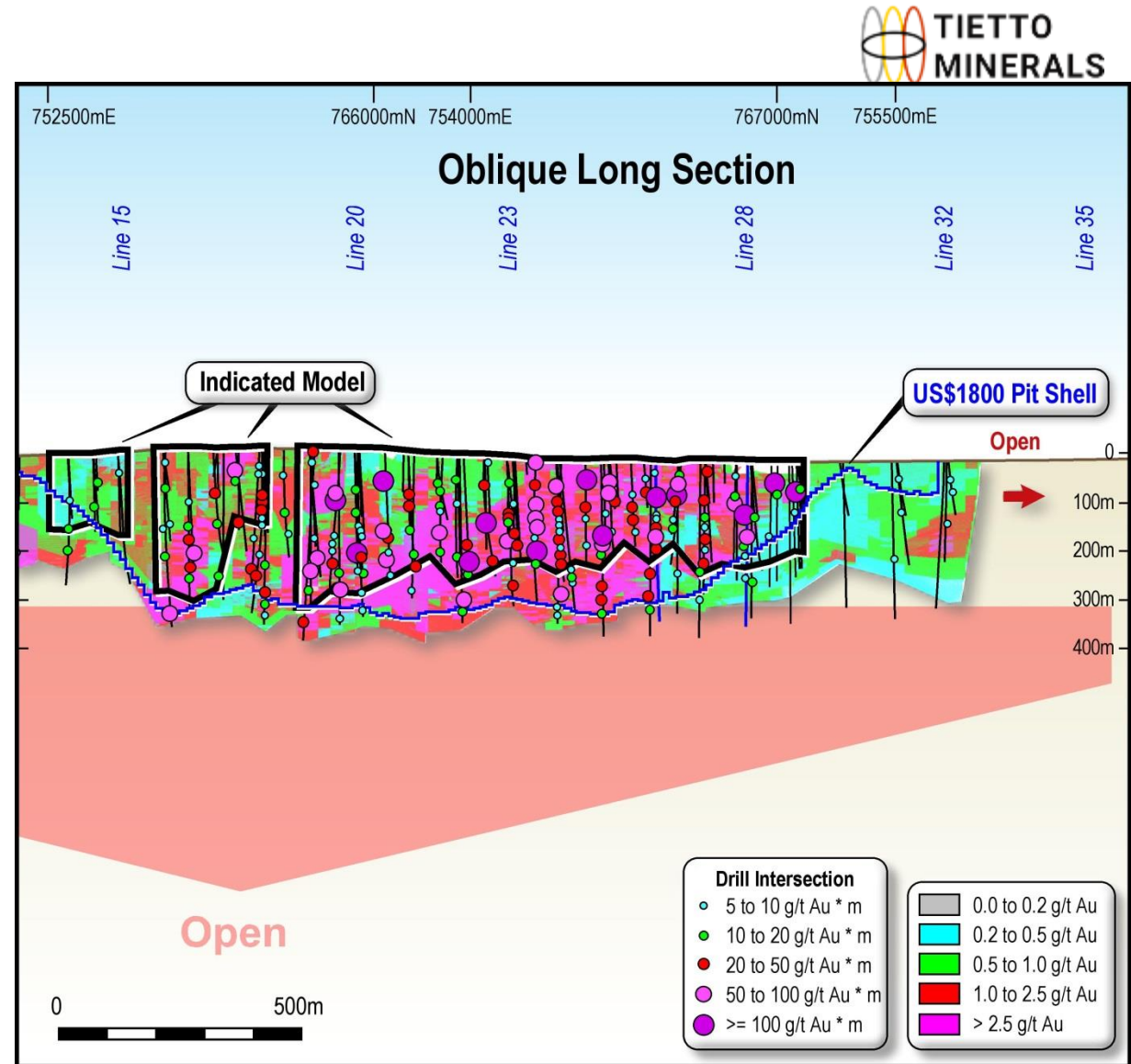
Continuous zone of high-grade starting from surface

Within continuous 1.4km of strike between lines 15 to 29 AG reports:

- 9.6Mt at 3.4g/t Au for 1Moz using 1.5g/t COG*

Suggesting potential for high margin open pit mining operation

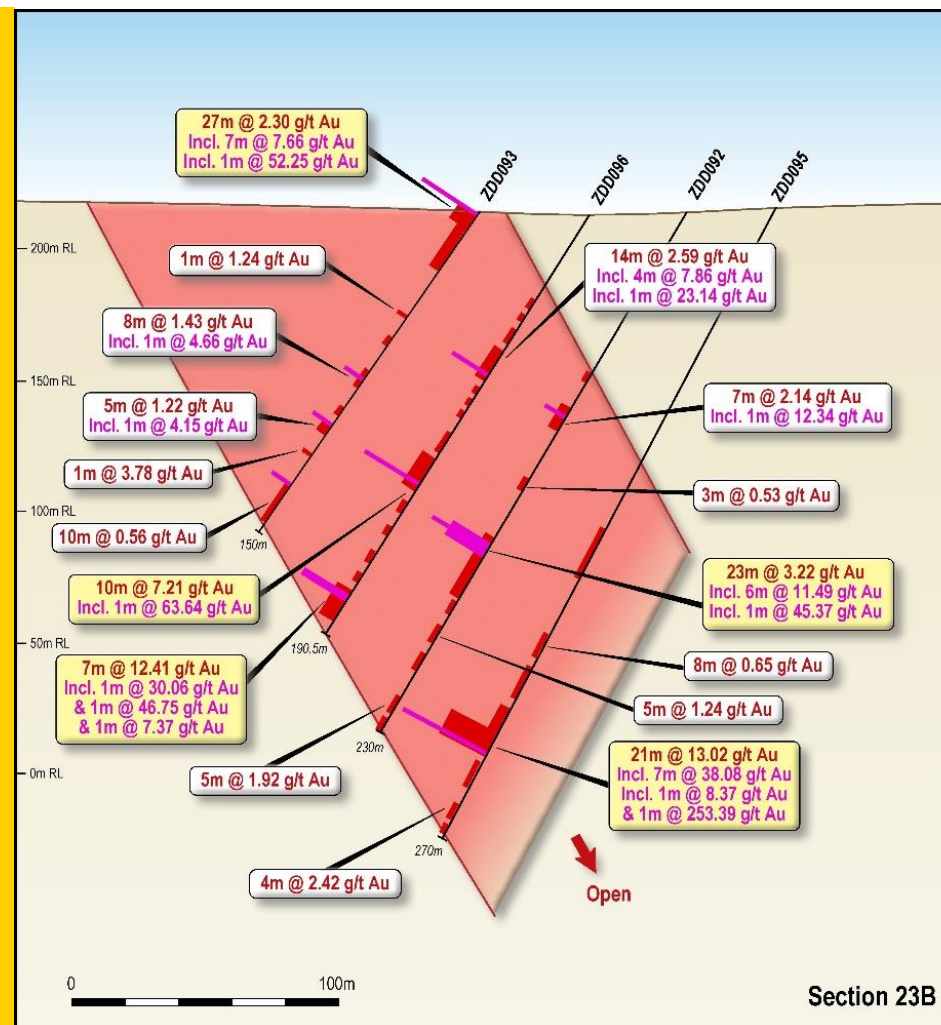
Potential to increase near surface resources with further up-dip drilling



*AG Mineral Resources reported at 1.5g/t Au ut-off grades no pit shell constraint applied.

Open pitable high grade shallow resources and high grade UG potential

- **10m @ 7.21 g/t Au** from 115m Inc. **1m @ 63.64 g/t Au** from 122m; **7m @ 12.41 g/t Au** from 174m Inc. **1m @ 30.06 g/t Au** from 174m and **1m @ 46.75 g/t Au** from 175m
- **18m @ 4.25 g/t Au** from 68m, **16m @ 2.00 g/t Au** from 106m and **8m @ 2.81 g/t Au** from 134m
- **82m @ 3.14 g/t Au** from 26m Inc. **26m @ 9.48 g/t Au** from 83m and **1m @ 60.79 g/t Au** from 83m **1m @ 165.81 g/t Au** from 84m
- **18m @ 11.72 g/t Au** from 39m inc. **10m @ 20.69 g/t Au** from 39m inc. **1m @ 194.93 g/t Au** from 40m
- **14m @ 9.12 g/t Au** from 108m including **6m @ 20.58 g/t Au** from 120m which included **2m @ 58.57g/t Au** from 120m



- **21m @ 13.02 g/t Au** from 228m inc. **1 @ 253.39 g/t Au** from 234m
- **17m @ 8.8 g/t Au** from 254m inc. **7m @ 20.63 g/t Au** from 254m
- **6m @ 34.17 g/t Au** from 238m inc. **2m @ 85.34 g/t Au**
- **12m @ 3.95 g/t Au** from 342m
- **6m @ 6.29 g/t Au** from 298m
- **3m @ 10.2 g/t Au** from 290m
- **18m @ 4.90 g/t Au** from 268m inc. **12m @ 6.92 g/t Au** from 268m which inc. **6m @ 11.63 g/t Au** from 274m

PRELIMINARY METALURGY

Extremely high gold (Au) recovery (>98%)

Preliminary met testwork (ALS in Perth, Australia)

- High gravity and CIL recovery
- Simple CIL with high efficiency

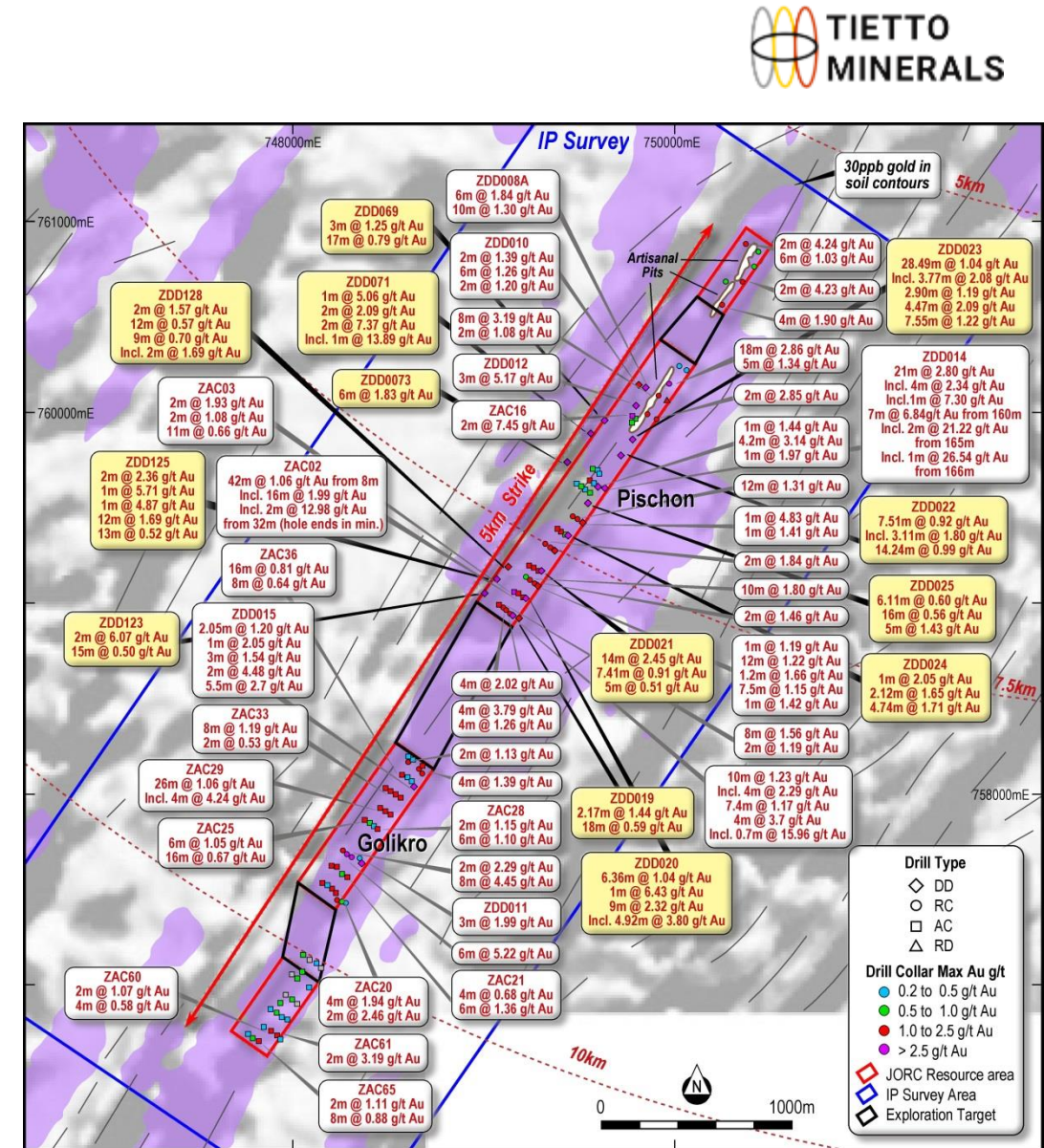
SAMPLE TYPE	GRINDING SIZE (MM) (80% PASSING)	GRAVITY RECOVERY (%)	CIL RECOVERY (%)
OXIDIZED	75	64.4	98.5
TRANSITIONAL	75	82.6	99.5
PRIMARY ORE	75	83.6	99.1

APG DEPOSIT

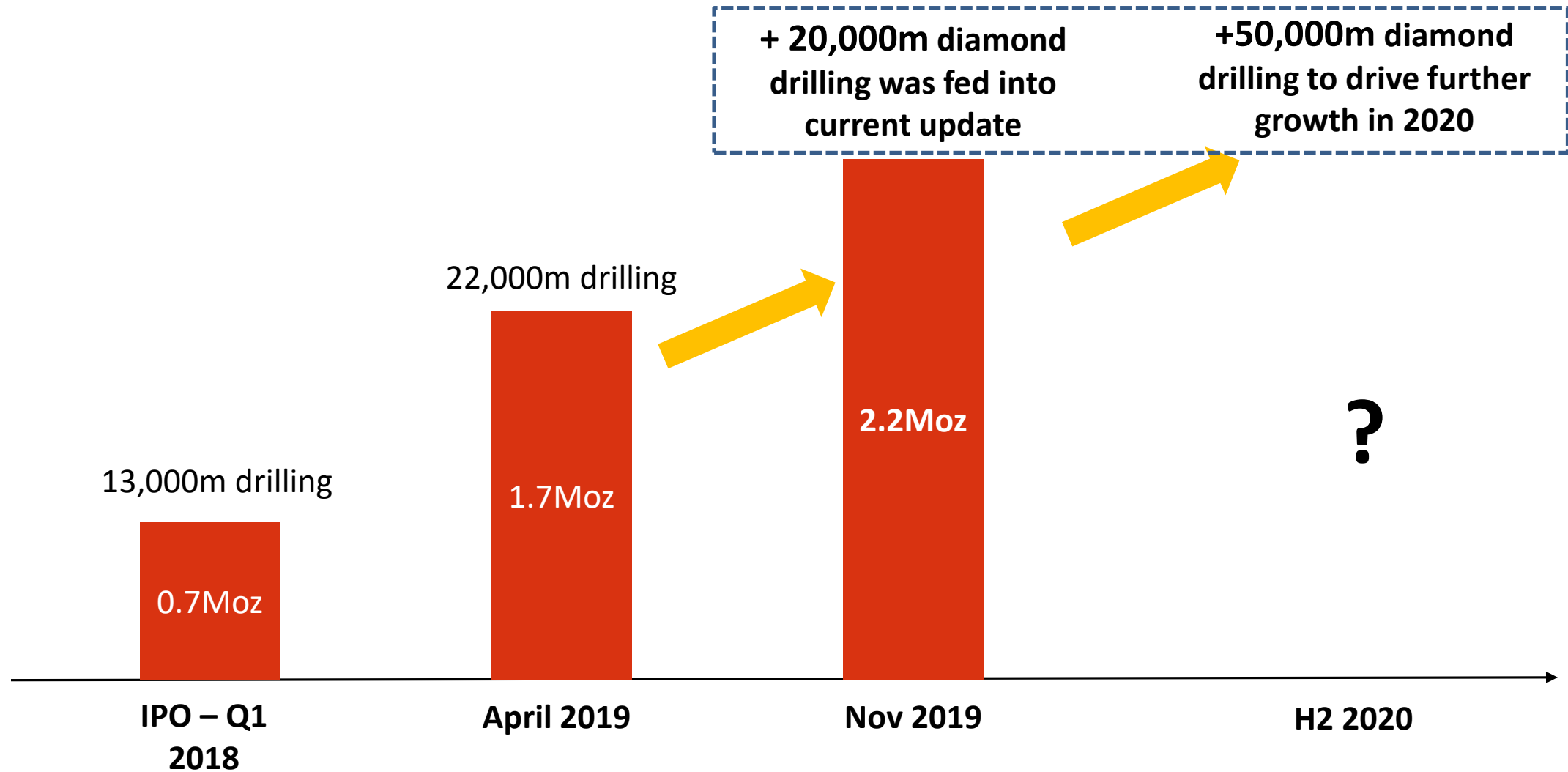
Targeting growth in 2020

Located 5km south of the high-grade AG deposit

- Inferred JORC 2012 Mineral Resource of 12.24Mt @ 1.0g/t Au for 350,000oz
- Gold mineralisation intersected over a 5km strike using RC, DD and AC drilling
- Mineralisation remains open at depth (reported down to 150m), down plunge and along strike
- Satellite mining opportunity



RAPIDLY GROWING RESOURCE



REGIONAL PROSPECTS – Abujar Gold

- Multiple parallel zones on **70km shear structure**
- **Western shear geochemical survey** plan completed to deliver drill ready targets
- Strong pipeline of drilling targets

Resource Definition

1. AG + AG Deepes
2. Pischon resource drilling
3. Golikro resource drilling

Target Testing

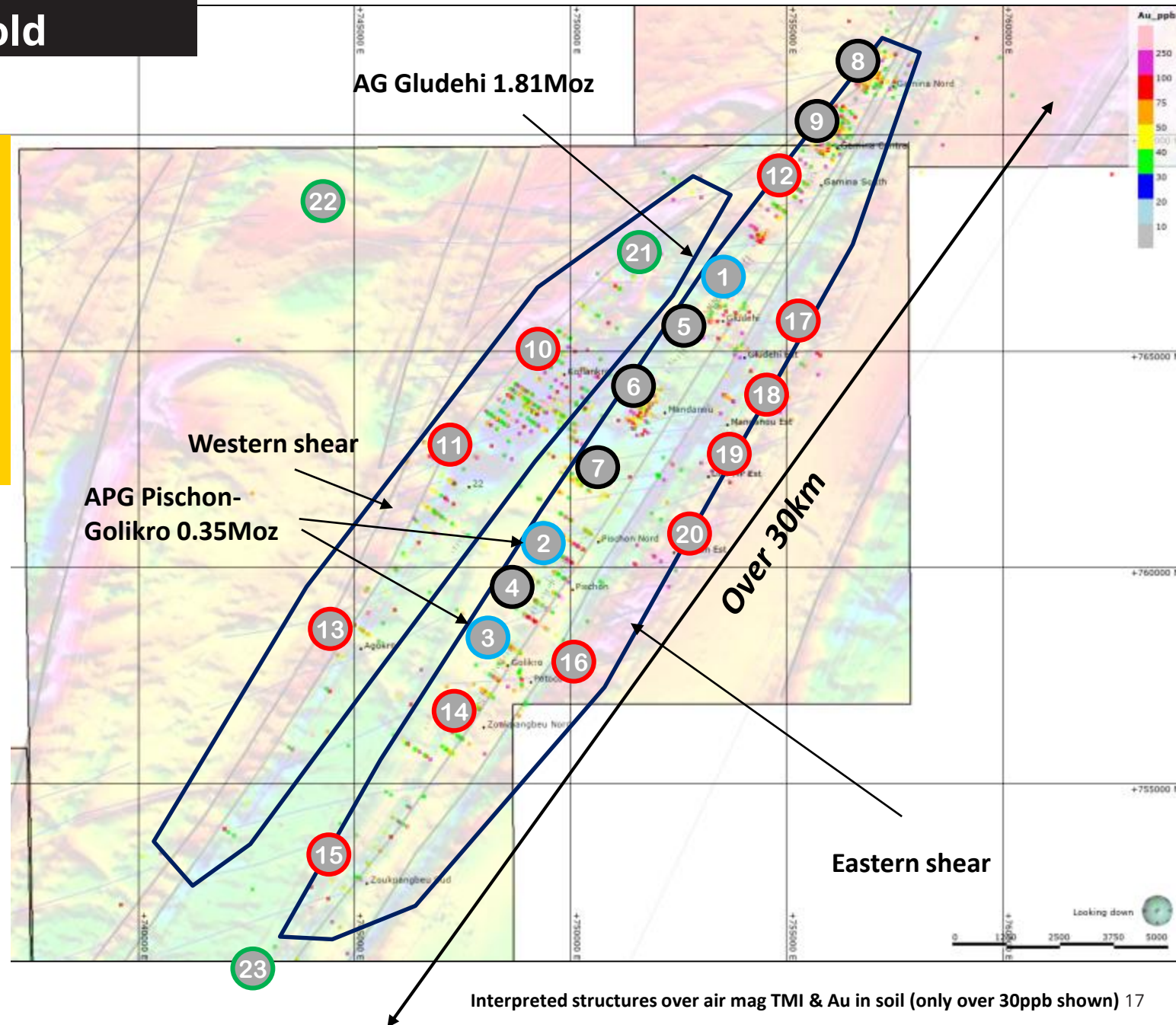
4. Link Pischon Golikro
5. Gludehi Southern lines
6. Mandanou
7. Link Mandanou Pischon
8. Gamina North
9. Gamina Central

Target Definition

10. Koflankro
11. 22
12. Gamina South
13. Agokro
14. Zoukpangbeu North
15. Zoukpangbeu South
16. Potoco
17. Gludehi East
18. Mandanou East
19. Link MP East
20. Pischon East

Reconnaissance

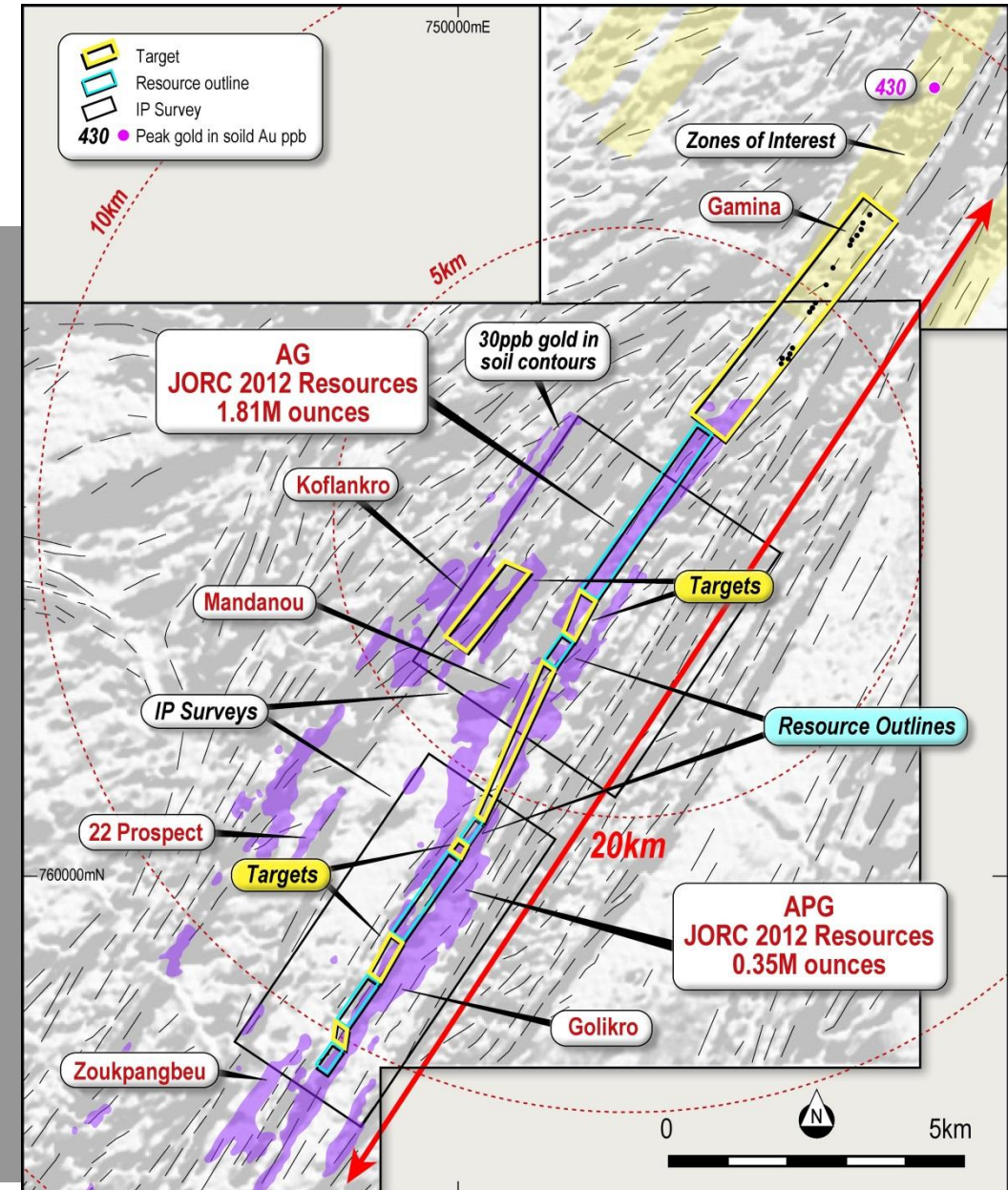
21. Gludehi NW
22. NW regional
23. SE regional



Priority Abujar Exploration Targets

Step out drilling – expected to grow resources

- Gamina
 - ✓ Over 4.5km of strike north of high-grade core at AG
 - ✓ Extensive artisanal workings
 - ✓ Drilling planned this quarter
- Madanou
 - ✓ Mineralised linkage structure connecting AG to the oxide resources at APG
 - ✓ Drilling intersecting shallow high-grade quartz veins
 - ✓ Extensive artisanal workings
- Koflankro
 - ✓ Target definition



Priority Abujar Exploration Targets

Gamina – directly north of AG

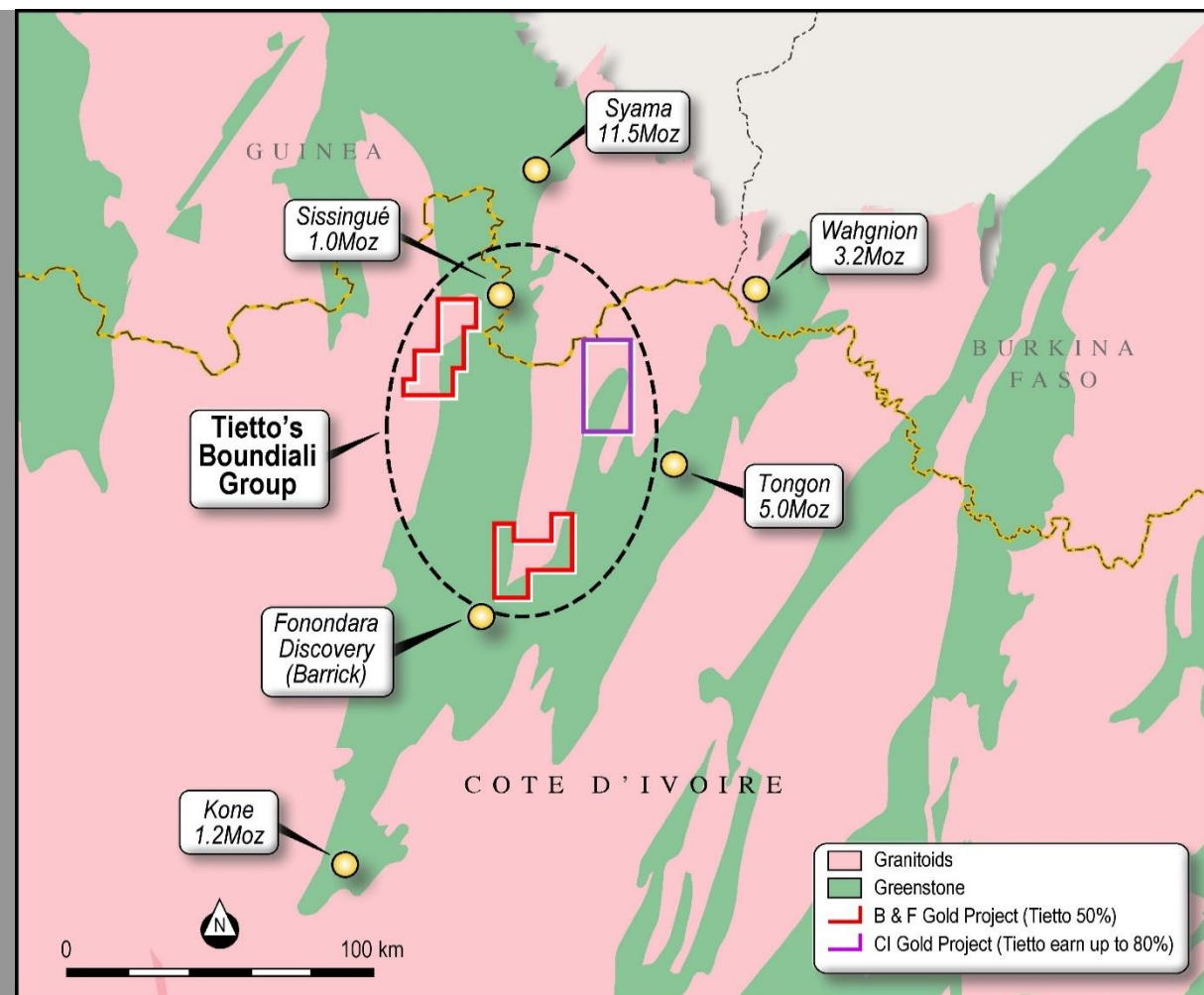


December 2014

REGIONAL PERMITS – Cote D'Ivoire

Highly prospective – Significant land package

- Boundiali Group (North Côte d'Ivoire)
 - ✓ Within 20Moz+ Au province
 - ✓ Located in fertile structures (Syama 11.5Moz, Tongon 5Moz, Banfora 5Moz & Sissingué 1 Moz)
 - ✓ Airmag survey planned
- Bongouanou (South-East Côte d'Ivoire)
 - ✓ Underexplored province
 - ✓ Fully granted permits
 - ✓ Airmag acquired highlighting prospective structures
 - ✓ Reconnaissance geochemical survey planned
- Sinfra (Central Côte d'Ivoire)
 - ✓ Near & along same structure of the Yaouré 6.3Moz deposit



2020 CATALYSTS

Strong newsflow expected throughout 2020



**AG & APG
DEPOSITS**

- Infill and Extensional Drilling

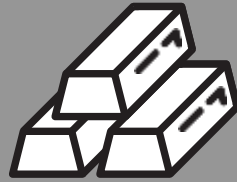
- Additional Metallurgical Studies
- Drilling continues
- Environmental and Social Impact Studies

- Application for Mining Licence
- 3rd Resource Update
- Preliminary Mining Studies



REGIONAL EXPLORATION → Geochem | Geophysical survey | Reconnaissance drilling

A rapidly emerging West African gold company



SHALLOW HIGH-GRADE RESOURCE

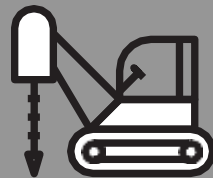
Delivered 12 Nov 2019



DELIVERING RAPID RESOURCE GROWTH



STRONG CONTINUOUS NEWSFLOW



50,000M HIGH IMPACT & LOW COST DRILLING



EXCELLENT METALLURGY



SUPPORTIVE SHAREHOLDER BASE & WELL FUNDED

APPENDIX A

Abujar Gold Project - JORC Resources



Mineral Resource Estimates - RPM Global (November 2019)*

Area	Class	Oxide			Transition			Fresh			Total		
		Quantity (Mt)	Au (g/t)	Au (MOz)	Quantity (Mt)	Au (g/t)	Au (MOz)	Quantity (Mt)	Au (g/t)	Au (MOz)	Quantity (Mt)	Au (g/t)	Au (MOz)
AG	Indicated	0.08	2	0.01	0.3	1.6	0.02	14.19	1.8	0.84	14.58	1.8	0.86
	Inferred	0.44	1.5	0.02	1.21	1.3	0.05	18.02	1.5	0.88	19.68	1.5	0.95
	Total	0.53	1.6	0.03	1.51	1.3	0.06	32.22	1.7	1.72	34.26	1.6	1.81
APG	Inferred	1.24	0.7	0.03	3.43	0.8	0.09	6.56	1.1	0.23	11.24	1	0.35
Grand Total		1.77	1	0.06	4.95	1	0.15	38.78	1.6	1.94	45.49	1.5	2.15

Note:

1. The Mineral Resources has been compiled under the supervision of Mr. Jeremy Clark who is a full-time employee of RPM and a Registered Member of the Australian Institute of Mining and Metallurgy. Mr. Clark has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that he has undertaken to qualify as a Competent Person as defined in the JORC Code.
2. All Mineral Resources figures reported in the table above represent estimates at 11 November, 2019. Mineral Resource estimates are not precise calculations, being dependent on the interpretation of limited information on the location, shape and continuity of the occurrence and on the available sampling results. The totals contained in the above table have been rounded to reflect the relative uncertainty of the estimate. Rounding may cause some computational discrepancies.
3. Mineral Resources are reported in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The Joint Ore Reserves Committee Code – JORC 2012 Edition).
4. The Mineral Resources have been reported at a 100% equity stake and not factored for ownership proportions.

*Reported at 0.4 g/t Au cut off within pit shells, and 0.8 g/t Au cut off below the shells to a depth of 400 metres for the Gludehi deposit and to 100 metres for the Pishchon deposit.

APPENDIX A

Abujar Gold Project - JORC Resources



AG JORC 2012 Mineral Resource - RPM Global (November 2019)*

COG	Indicated			Inferred			Total		
	MTonnes	Au g/t	Moz	MTonnes	Au g/t	Moz	MTonnes	Au g/t	Moz
0.3	16.1	1.7	0.88	27.9	1.2	1.09	44.0	1.4	1.97
0.4	15.1	1.8	0.87	25.8	1.3	1.07	40.9	1.5	1.93
0.5	13.7	1.9	0.85	22.8	1.4	1.02	36.5	1.6	1.87
0.6	12.3	2.1	0.82	19.1	1.6	0.96	31.4	1.8	1.78
0.7	10.9	2.3	0.79	15.9	1.7	0.89	26.8	2.0	1.68
0.8	9.7	2.5	0.76	13.6	1.9	0.83	23.3	2.1	1.60
0.9	8.7	2.6	0.74	11.7	2.1	0.78	20.4	2.3	1.52
1	7.8	2.8	0.71	10.4	2.2	0.74	18.3	2.5	1.45
1.1	7.1	3.0	0.69	9.3	2.4	0.70	16.3	2.6	1.39
1.2	6.4	3.2	0.66	8.3	2.5	0.67	14.7	2.8	1.33
1.3	5.9	3.4	0.64	7.5	2.6	0.64	13.3	3.0	1.27
1.4	5.3	3.6	0.62	6.8	2.8	0.60	12.1	3.1	1.22
1.5	4.9	3.8	0.60	6.2	2.9	0.58	11.1	3.3	1.17
1.6	4.5	4.0	0.58	5.5	3.1	0.55	10.0	3.5	1.12
1.8	3.9	4.4	0.54	4.7	3.3	0.50	8.6	3.8	1.04
1.9	3.6	4.6	0.52	4.4	3.4	0.48	7.9	3.9	1.00
2	3.3	4.8	0.51	4.1	3.5	0.46	7.4	4.1	0.97
2.5	2.4	5.7	0.45	2.7	4.2	0.37	5.2	4.9	0.81
3	1.9	6.5	0.40	1.9	4.8	0.29	3.8	5.7	0.69

*AG global Mineral Resources reported at varying cut-off grades no pit shell constraint applied.

APPENDIX B: REGIONAL PERMITS

Highly prospective – Significant land package

- Cestos (Central North Liberia)
 - ✓ Underexplored province
 - ✓ Fully granted permit
 - ✓ Near & along same structure of Ity 5Moz mine
 - ✓ Airmag acquired highlighting fertile structures
 - ✓ Geochemical survey underway
 - ✓ Drill ready targets - maiden DD drilling for 2020
- Dube South (South-East Liberia)
 - ✓ Underexplored province
 - ✓ Fully granted permit
 - ✓ Near Dugbe 3.8Moz deposit
 - ✓ Airmag acquired highlighting fertile structures
 - ✓ Geochemical survey underway
 - ✓ Drill ready targets - maiden DD drilling for 2020

