

Rosebel Gold Mine 2018 Analyst Tour

November 12, 2018

Cautionary Statement



All information included in this presentation whether in narrative or chart form, including any information as to the Company's future financial or operating performance, and other statements that express management's expectations or estimates of future performance, other than statements of historical fact, constitute forward looking information or forward-looking statements and are based on expectations, estimates and projections as of the date of this presentation. Forward-looking statements contained in this presentation include, without limitation, statements with respect to: the Company's guidance for production, cash costs, all-in sustaining costs, depreciation expense, effective tax rate, and operating margin, capital expenditures, operations outlook, cost management initiatives, development and expansion projects, exploration, the future price of gold, the estimation of mineral reserves and mineral resources, the realization of mineral reserve and mineral resource estimates, the timing and amount of estimated future production, costs of production, permitting timelines, currency fluctuations, requirements for additional capital, government regulation of mining operations, environmental risks, unanticipated reclamation expenses, title disputes or claims and limitations on insurance coverage. Forward-looking statements are provided for the purpose of providing information about management's current expectations and plans relating to the future. Forward-looking statements are generally identifiable by, but are not limited to the, use of the words "may", "will", "should", "continue", "expect", "anticipate", "estimate", "believe", "opportunities", "intend", "plan", "possible", "suggest", "guidance", "outlook", "potential", "prospects", "seek", "targets", "strategy" or "project" or the negative of these words or other variations on these words or comparable terminology. Forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable by management, are inherently subject to significant business, economic and competitive uncertainties and contingencies. The Company cautions the reader that reliance on such forwardlooking statements involve risks, uncertainties and other factors that may cause the actual financial results, performance or achievements of IAMGOLD to be materially different from the Company's estimated future results, performance or achievements expressed or implied by those forward-looking statements, and the forward-looking statements are not guarantees of future performance. These risks, uncertainties and other factors include, but are not limited to, changes in the global prices for gold, copper, silver or certain other commodities (such as diesel and electricity); changes in U.S. dollar and other currency exchange rates, interest rates or gold lease rates; risks arising from holding derivative instruments; the level of liquidity and capital resources; access to capital markets, and financing; mining tax regimes; ability to successfully integrate acquired assets; legislative, political or economic developments in the jurisdictions in which the Company carries on business; operating or technical difficulties in connection with mining or development activities; laws and regulations governing the protection of the environment; employee relations; availability and increasing costs associated with mining inputs and labour; the speculative nature of exploration and development, including the risks of diminishing quantities or grades of reserves; adverse changes in the Company's credit rating; contests over title to properties, particularly title to undeveloped properties; and the risks involved in the exploration, development and mining business. With respect to development projects, IAMGOLD's ability to sustain or increase its present levels of gold production is dependent in part on the success of its projects. Risks and unknowns inherent in all projects include the inaccuracy of estimated reserves and resources, metallurgical recoveries, capital and operating costs of such projects, and the future prices for the relevant minerals. Development projects have no operating history upon which to base estimates of future cash flows. The capital expenditures and time required to develop new mines or other projects are considerable, and changes in costs or construction schedules can affect project economics. Actual costs and economic returns may differ materially from IAMGOLD's estimates or IAMGOLD could fail to obtain the governmental approvals necessary for the operation of a project; in either case, the project may not proceed, either on its original timing or at all.

Exploration Target Potential: The potential quantity and grade of the exploration targets referred to are conceptual in nature and insufficient exploration work has been completed to define a mineral resource. The property will require significant future exploration to advance to a resource stage and there can be no certainty that the exploration target will result in a mineral resource being delineated. The exploration targets are consistent with similar deposits in the area, deposit models or derived from initial drilling results.

For a more comprehensive discussion of the risks faced by the Company, and which may cause the actual financial results, performance or achievements of IAMGOLD to be materially different from the company's estimated future results, performance or achievements expressed or implied by forward-looking information or forward-looking statements, please refer to the Company's latest Annual Information Form, filed with Canadian securities regulatory authorities at www.sedar.com, and filed under Form 40-F with the United States Securities Exchange Commission at www.sec.gov/edgar.shtml. The risks described in the Annual Information Form (filed and viewable on www.sec.gov/edgar.shtml, and available upon request from the Company) are hereby incorporated by reference into this presentation.

The Company disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise except as required by applicable law.

All amounts in this presentation are expressed in U.S. dollars except as otherwise noted.

Technical Information and Qualified Persons



The information contained herein may refer to the following previously published information. The information relating to these releases can be found on our website (www.iamgold.com):

September 23, 2018 - Updated Reserve and Resource Estimate

The mineral disclosure was prepared by IAMGOLD and SRK, and incorporates the work of IAMGOLD, SRK and other consultants. The affiliation and areas of responsibility for each Qualified Person involved in preparing this mineral disclosure upon which the technical report will be based, are:

IAMGOLD QPs

- R. Dutaut, Geo., Property description and location, accessibility, climate, local resources, infrastructure and physiography, history, geological setting and mineralization, deposit type, exploration, drilling, sample preparation and analysis and security, data verification, and mineral resource estimate Rosebel Property (excluding Saramacca)
- A. Doucette, Eng., Mining method, mineral reserve estimate and Infrastructure
- S. Rivard, Eng., Recovery method Mineral processing and metallurgical testing
- M. Payeur, Eng., Market Studies and Contracts, Environmental studies, permitting, and social or community impacts, Capital and operating cost estimate, and other relevant data and information

SRK QPs

- D. Chartier, P. Geo., Accessibility, climate, local resources, infrastructure and physiography, history, geological setting and mineralization, deposit type, exploration, drilling, sample preparation and analysis and security, data verification, and mineral resource estimate Saramacca Property.
- O. Leuangthong, P. Eng., Mineral resource estimate Saramacca Property

November 7, 2018 – Ongoing 2018 exploration drill program along Saramacca-Brokolonko Trend

The drilling results contained in this news release have been prepared in accordance with National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101").

The "Qualified Person" responsible for the supervision of the preparation, verification and review of the technical information in this release is Caroline Laplante, P. Geo., Country Exploration Manager of the regional exploration team at the Rosebel Gold Mine in Suriname. She is considered a "Qualified Person" for the purposes of National Instrument 43-101 with respect to the technical information being reported on. The technical information has been included herein with the consent and prior review of the above noted Qualified Person.

The information in this news release was reviewed and approved by Craig MacDougall, P.Geo., Senior Vice President, Exploration for IAMGOLD. Mr. MacDougall is a Qualified Person as defined by National Instrument 43-101.

Cautionary Note to Investors Concerning Estimates of Measured and Indicated Resources

This presentation uses the term "indicated resources". We advise investors that while that term is recognized and required by Canadian regulations, the United States Securities and Exchange Commission (the "SEC") does not recognize them. Investors are cautioned not to assume that any part or all of mineral deposits in these categories will ever be converted into reserves.

Cautionary Note to Investors Concerning Estimates of Inferred Resources

This presentation also uses the term "inferred resources". We advise investors that while this term is recognized and required by Canadian regulations, the SEC does not recognize it. "Inferred resources" have a great amount of uncertainty as to their existence and great uncertainty as to their economic and legal feasibility. It cannot be assumed that all or any part of an inferred mineral resource will ever be upgraded to a higher category. Under Canadian rules, estimates of inferred mineral resources may not form the basis of feasibility or pre-feasibility studies, except in rare cases. Investors are cautioned not to assume that part or all of an inferred resource exists, or is economically or legally mineable.

Agenda

- 1. Safety Brief
- 2. Historical Overview
- 3. Vision & Strategy for the Future The Rosebel Gold Mines Complex
- 4. RGM Today An Overview of Production & Improvement Initiatives
- 5. Moving Forward Locking-In Value
 - Saramacca Project
- **6.** Exploring the Consolidated Land Package
- 7. RGM Landscape SWOT



Historical Overview

Rosebel Gold Mines – A Brief Overview

- Began full production in 2004
- Initial metrics:

• **LOM:** 8 years, out to 2012

Reserves: 2,382koz

Today, 14 years later

Total production is 4,826koz (end of 2017)

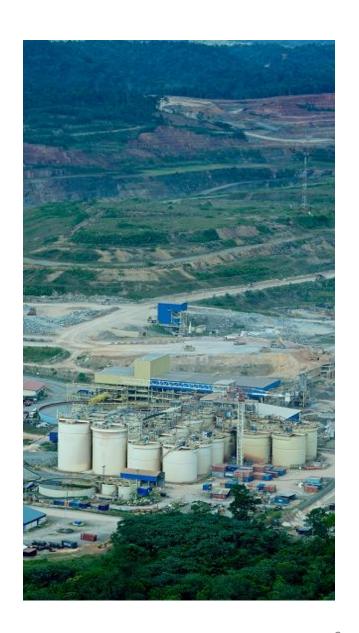
Revised metrics:

• **LOM:** 15 years, out to 2033

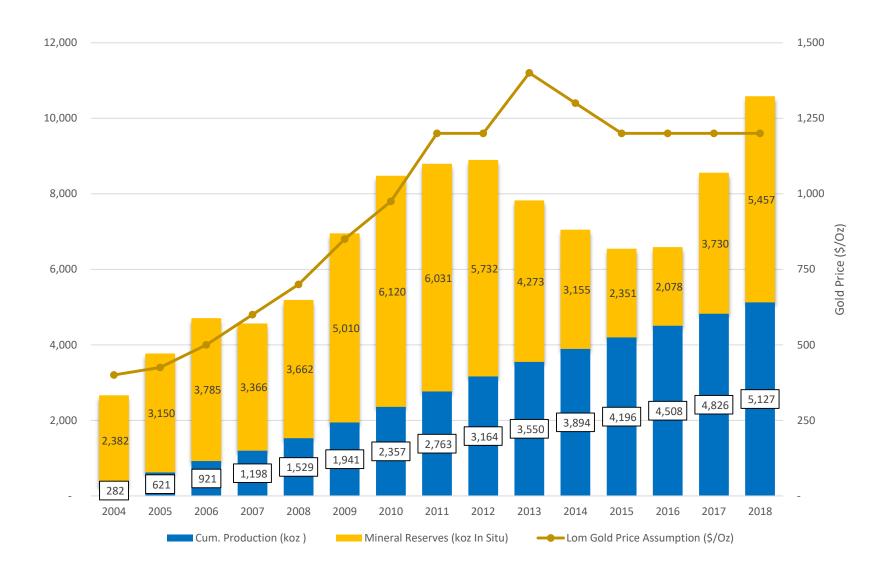
Reserves: 5,457koz¹

Estimated Cumulative Production: 9,899koz²

316% Increase from initial Reserves









Total Economic Value: \$3.4 Billion



Supporting Country Capacity Building

- Green Partnership Program on Sustainable Management of Natural Resources.
- Medical Equipment Investments.
- Graduate Studies Sponsorships:
 - MSc Mineral Geosciences:
 - √ 32 students
 - √ 21 graduates
 - √ 4 expected to graduate 2018-Q1-2019



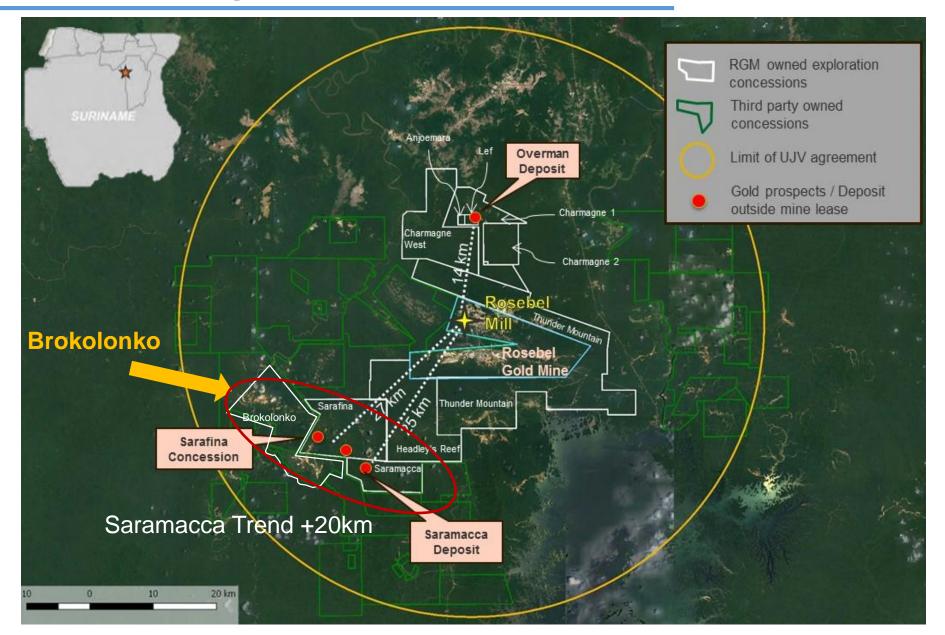
IAMGOLD donated a state-of-the-art, 3D mammograph with tomosynthesis to the MAMMA Centre of the Radiology Department at the Academic Hospital.

- USD 250K, including maintenance.
- First in the Caribbean.
- Since April 2018, 636 women visited the center.



Vision & Strategy – The Rosebel Gold Complex

Rosebel – Creating a Gold District



CREATING A WORLD CLASS GOLD COMPLEX

JIVIPLEA

2017

RGM Re-Engineering

- 69% reserve increase through complete mine plan re-design
- Saramacca initial resource

2018

Reserve Base Diversification

- 51% reserve increase through Saramacca resource conversion
- Drilling the Saramacca-Brokolonko Trend

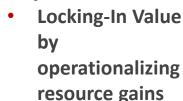
2019

Saramacca Start- Up

- Exploring the consolidated Land Package
- Assessing
 Saramacca
 underground
 potential

2020 - 2033

Gold Complex Expansion





Engineering Driven Transformation of Rosebel

Continuous Mine Plan Optimization from 2014 to 2018:

- ✓ 2014 major grade reconciliation audit.
- ✓ 2015 systematic use of Reverse Circulation (RC) for grade control.
- √ 2016 new advanced resource models developed using revised geostatistical techniques.
- √ 2017 resource models completed and validated for all orebodies.
 - shift in strategic mine planning and scheduling leading to 69% increase in reserves.
- √ 2018 optimized CEET models for varying rock hardness blending.
 - progressive implementation of advanced scheduling techniques on site.
 - complete review of geological models.



RGM Today – A Quick Overview

· · · · TRIR Target

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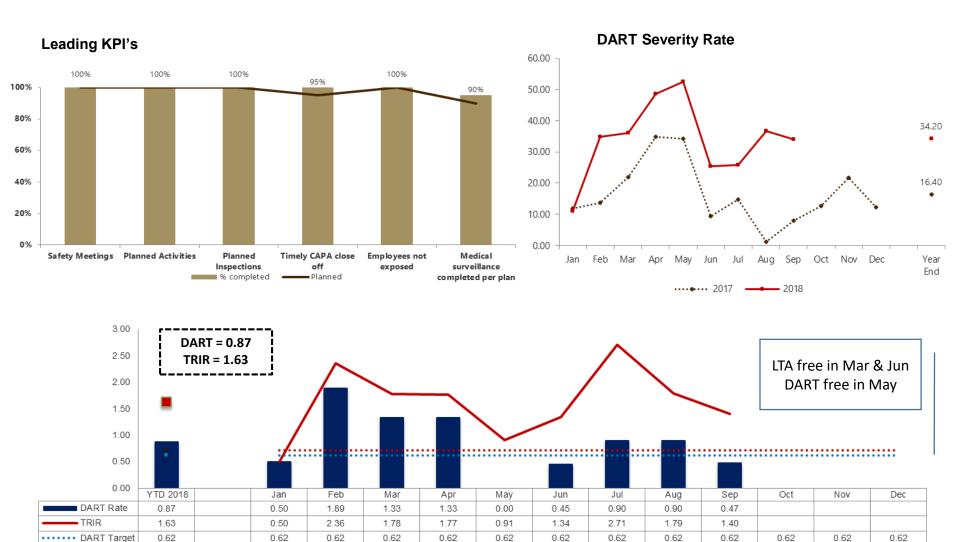
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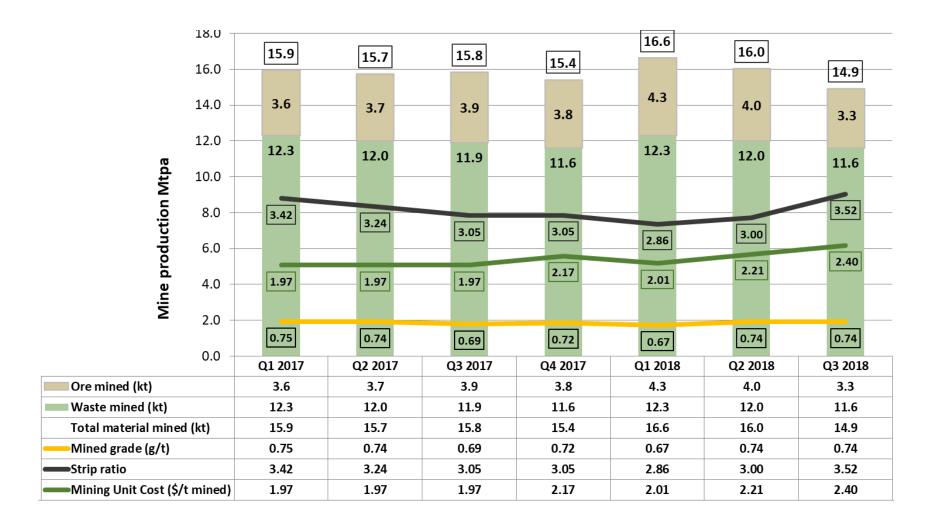
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	Q3 YTD)
	2018 2017			2017
Mine operating statistics				
Ore mined (kt)		11,601		11,245
Waste mined (kt)		35,940		36,169
Total material mined (kt)		47,541		47,414
Strip ratio		3.1		3.2
Ore milled (kt)		9,172		9,583
Head grade (g/t)		0.78		0.82
Recovery (%)		93		93
Gold production - 100% (koz)		213		235
Gold sales - 100% (koz)		213		228
Performance measures				
Average realized gold price (\$/oz)	\$	1,283	\$	1,254
Cost of sales (\$/oz)	\$	858	\$	751
Total cash costs (\$/oz)	\$	855	\$	722
All-in sustaining costs (\$/oz)	\$	1,017	\$	902

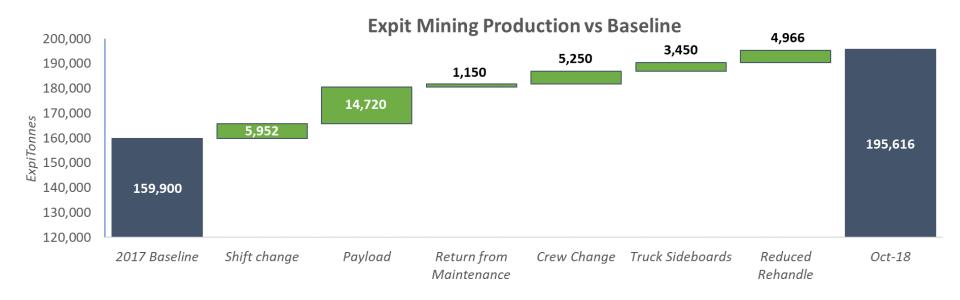
- Collective Labour Agreement ("CLA") negotiation impacted mine production in Q3.
- Milling compensated through draw of stockpiles.
- Mine grades expected to improve in Q4.
- Revised 2018 annual attributable production guidance to 280koz – 295koz.
- YTD AISC is 13% higher than 2017.

New two-year CLA Agreement signed September 14, 2018





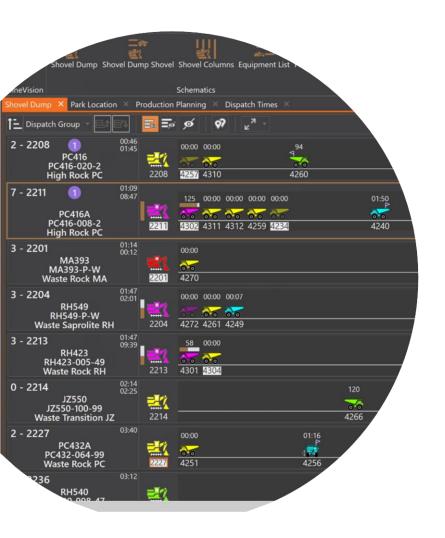




- October 2018 delivered 195,616 expit tonnes per day.
- Overall 23% improvement in expit production from baseline.
- No increase in fleet.

Real Time	Near Real Time	End of Shift/Day	End of Week & Beyond
Dynamic Dispatching	Short Interval Control	Visual Management	Operator Scorecards
Dispatch system automatically allocates trucks to shovel to maximize fleet efficiency	Identify and correct underperforming equipment during the shift	Daily performance meetings at each level create clear accountability and transparency	Individual performance is tracked and reviewed weekly

- Identify and quantify opportunities.
- Help generate and track actions.
- Validate improvements and monitor to sustain gains.



- Allows a more continuous load&haul process, reducing idle time.
- Selects optimal production circuits to assign trucks in real time.
- Analyses multiple options for loading and dumping locations scenarios.
- Provides Real time assignments based on current conditions.
- Fueling and Shift Change modules reduce delays from these activities.



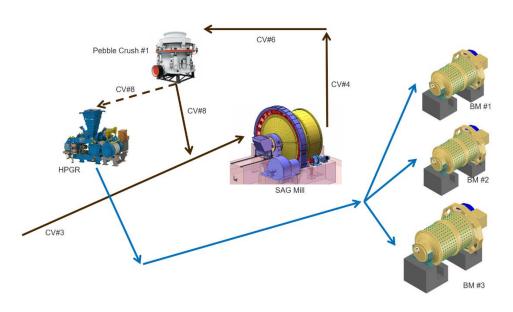
- High level of variability in performance across all operators.
- Allows to focus training requirements more specifically.
- Training department has weekly meeting with GF to identify operators for in-seat training.
- Focus on bottom 25% of operators.





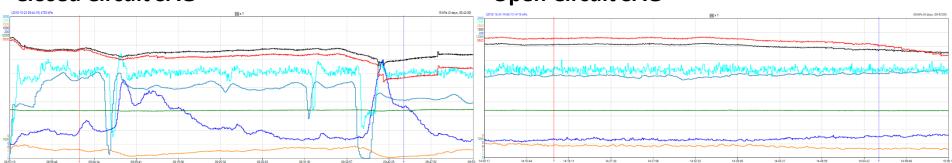
Open Circuit SAG:

- Increase SAG hard rock capacity by:
 - ✓ Decreasing high power draw constraint.
 - Eliminating pebble production circuit constraint.
 - ✓ Decreasing mill instability.
- Benefits Hard Rock throughput increase.
- Design and install 2019.



Closed Circuit SAG

Open Circuit SAG





The Saramacca Project

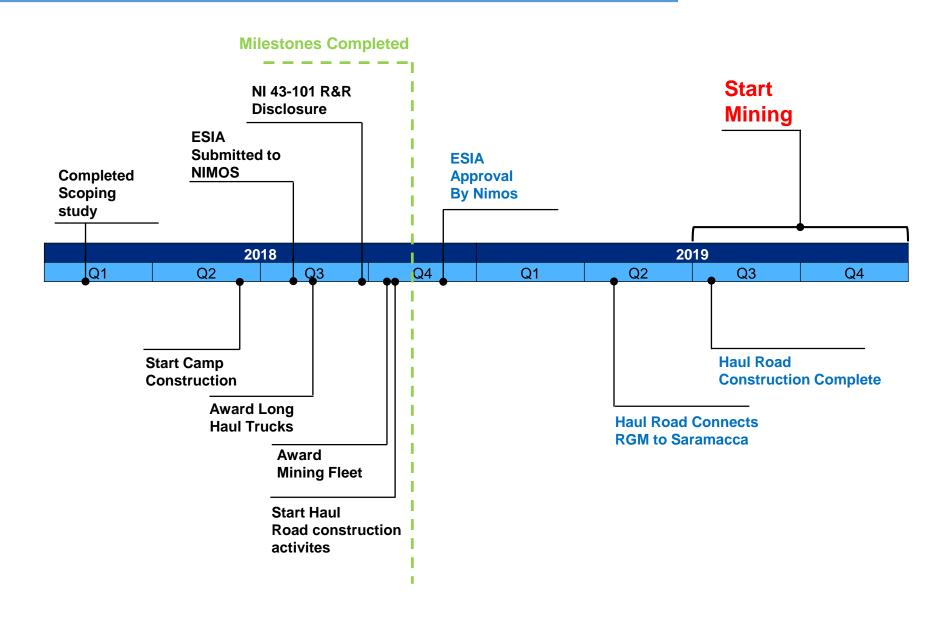


Project development highlights

- ✓ Saramacca on schedule to start mining in H2 2019.
- ✓ Project Costs estimate (September 2018) confirms project economic metrics.

Additional 51% increase to Total Reserves in 2018¹

- √ 1.6 Moz increase to reserves, including 1 Moz from Saramacca.
- ✓ Extend LOM by 5 years to 2033.
- √ Total 15 year mine life expected with average mill throughput of 10.9 Mtpa, including 1.9 Mtpa from Saramacca.
- ✓ Average annual attributable production increased by 11% to 295,000 ounces from 2020 to 2032, with peak attributable production of approximately 362,000 ounces.



2018 Highlights – Consolidated RGM Resources

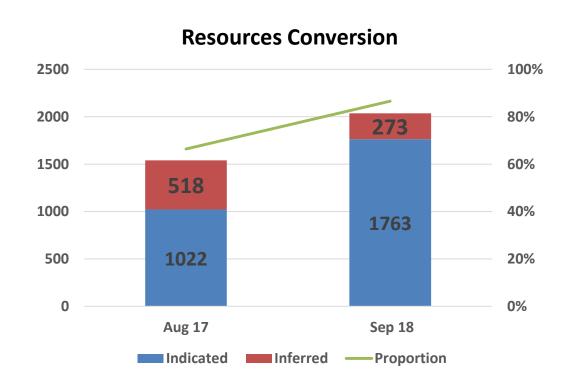
Deposit	Classification	Tonnes (000)	Grade (g/t Au)	Contained Ounces (000) 100% Basis	Attributable Contained Ounces (000)
RGM	Measured	34,216	0.6	696	661
	Indicated	261,108	0.9	7,817	7,426
	Measured & Indicated	295,324	0.9	8,513	8,087
	Inferred	65,154	0.9	1,797	1,707
Saramacca	Indicated	27,938	2.0	1,763	1,172
	Inferred	11,824	0.7	273	182
Consolidated	Measured	34,216	0.6	696	661
	Indicated	289,047	1.0	9,580	8,598
	Measured & Indicated	323,262	1.0	10,276	9,260
	Inferred	76,978	0.8	2,070	1,889

Notes:

- 1. Attributable ounces: 95% for Rosebel (excluding Saramacca), 66.5% for Saramacca.
- 2. CIM definitions were followed for classification of Mineral Resources.
- 3. Mineral Resources reported at a weighted average cut-off grade for Rosebel (excluding Saramacca) of 0.18 g/t Au for saprolite, 0.23 g/t Au for transition material and 0.35 g/t Au for fresh rock material. Average cut-off grades for Saramacca are 0.25 g/t Au for laterite and saprolite, 0.30 g/t Au for transition material and 0.50 g/t Au for fresh rock material.
- 4. Mineral Resources for RGM include 2018 depletion prior to September 1, 2018.
- 5. Mineral Resources are constrained within a pit shell estimated using a long-term gold price of US\$1,500/oz.
- 6. Mineral Resources are inclusive of Mineral Reserves.
- 7. Numbers may not add due to rounding.
- 8. Effective date for Rosebel (excluding Saramacca) is September 1, 2018. Effective date for Saramacca is September 13, 2018.



- Successfully converted inferred to indicated : 90% of indicated resources.
- Comparison of latest MI results to maiden MII resource shows overall better grade.

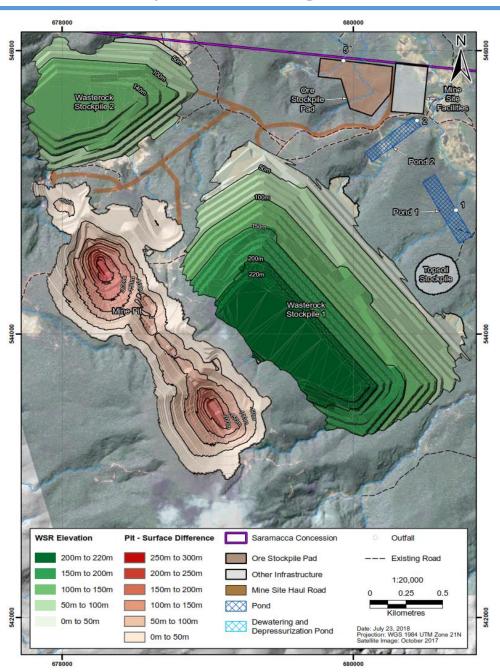


Deposit	Classification	Tonnes (000)	Grade (g/t Au)	Contained Ounces (000) 100% Basis	Attributable Contained Ounces (000)
RGM	Proven & Probable	117,872	1.0	3,632	3,450
	Stockpiles	15,803	0.6	283	269
Saramacca	Proven & Probable	26,549	1.8	1,542	1,025
Total		160,224	1.1	5,457	4,745

Notes:

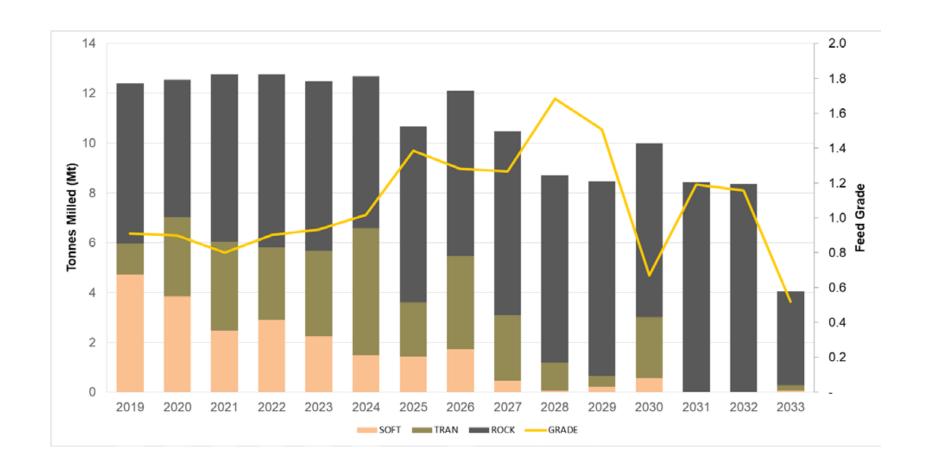
- 1. Attributable ounces: 95% for Rosebel (excluding Saramacca), 66.5% for Saramacca.
- 2. CIM definitions were followed for Mineral Reserves.
- 3. Mineral Reserves are estimated assuming open pit mining methods.
- 4. Mineral Reserves are estimated using an average long-term gold price of US\$1,200/oz.
- 5. Average weighted process recovery of 89.8%.
- 6. Mining cost: \$2.19/t mined. Processing costs: \$4.79/t milled. Power costs: \$3.13/t milled. General and Administrative costs of \$2.16/t milled.
- 7. Mineral Reserves include 2018 depletion prior to September 1, 2018.
- 8. Mineral Reserves include material from all pits, including Saramacca.
- 9. Bulk density is variable by rock type.
- 10. Numbers may not add due to rounding.
- 11. Effective date for Rosebel (excluding Saramacca) is September 1, 2018. Effective date for Saramacca is September 13, 2018.

2018 Preliminary Mine Design

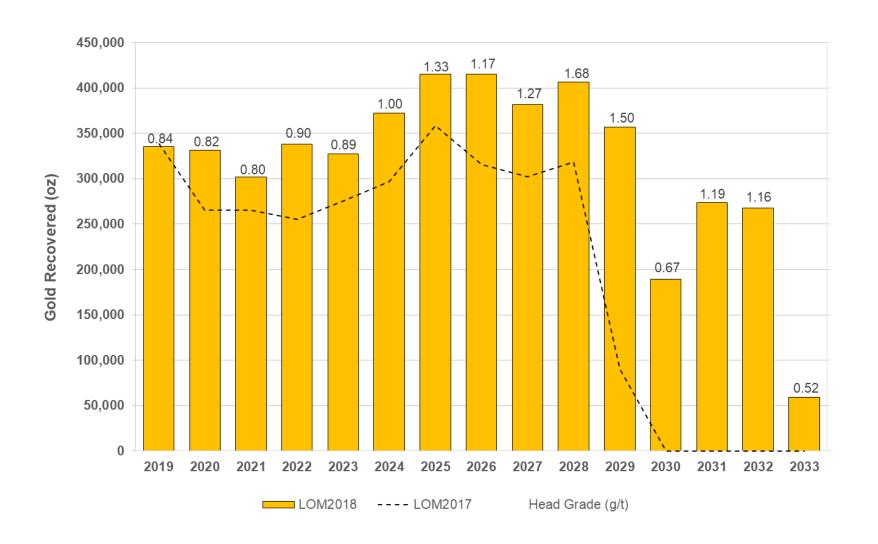


- Current layout showing:
 - ✓ infrastructure pad
 - ✓ settling ponds
 - waste dumps
 - ✓ mine road network









Material	Scoping Study Recoveries	September 23, R&R Recoveries
Hard Laterite (Duricrust) ¹	-	95.2 %
Soft Laterite	97 %	93.2 %
Saprolite	97 %	91.0 %
Transition	76 %	89.6 %
Hard Rock	82 %	74.8 %

Highlights:

- Recovery optimization study in progress, completion planned Q1 2019.
- Following the optimization study.
 - ✓ Mill modification project if required (planning, engineering, procurement, construction).
- Saramacca hard rock from 2027 onwards.

- Haulage between Saramacca and RGM mill will be carried out with a dedicated long haul fleet:
 - ✓ Haulmax 3900, 80t capacity
 - ✓ Initial Fleet: 8 units



- Mine haulage will be carried out with:
 - ✓ Komatsu HD1500, 150t capacity¹
 - ✓ Initial Fleet: 7 units

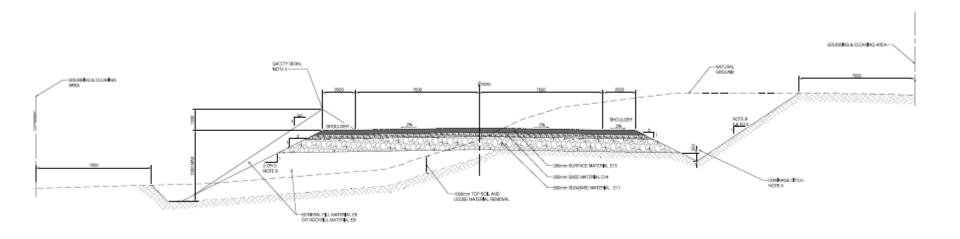


1 Change from NI 43-101 TR disclosure

Haul Road and Infrastructure – Project Justification

- Completion of road scheduled for July 2019.
- The road will be a private double lane ore transportation road, sized for the Haulmax 3900.
- Road is planned to connect Mayo to Saramacca in Q2 2019.
 - ✓ Subgrade base, Bridges, Culverts, Overpasses.
- An infrastructure pad will be built in Saramacca to host:
 - ✓ Maintenance shop
 - ✓ Offices
 - ✓ Fuel farm
 - ✓ Lunchroom
 - ✓ Security and telecom infrastructure



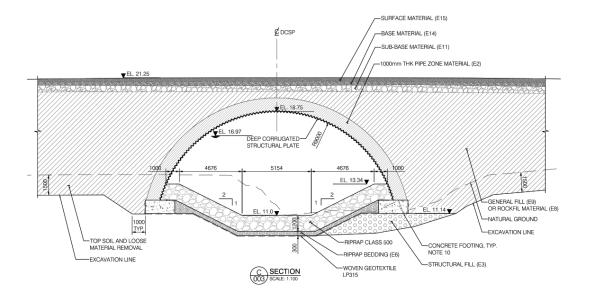


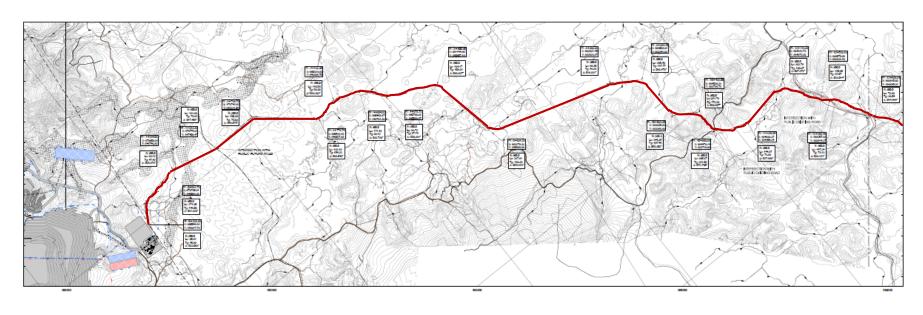
Main criteria:

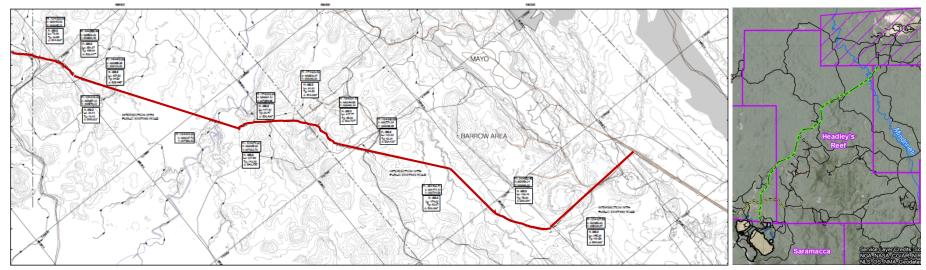
Total road length: 23 km

Quantity of bridges: 2

Total culvert length: 3200 m

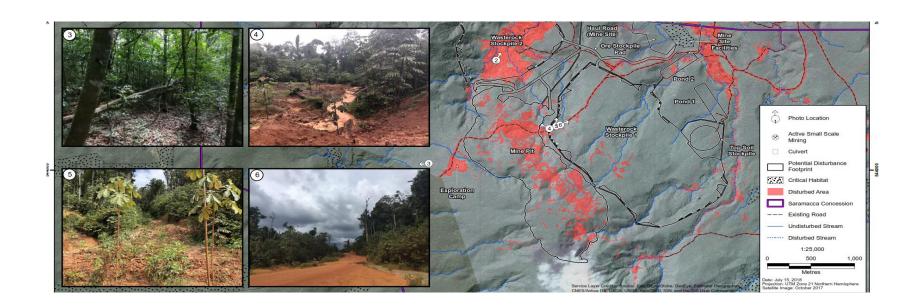






Environmental & Social Impact Study (ESIA)

- IAMGOLD issued ESIA to Nimos.
- All 5 public disclosure meetings were held as planned from August 29 to September 3, 2018.
- NIMOS ESIA Review Report received Oct 2.
 - ✓ Responses were formulated by internal team.
 - ✓ Re-submission on October 31, 2018.
- NIMOS requires 30 days to review with approval expected by end of November.

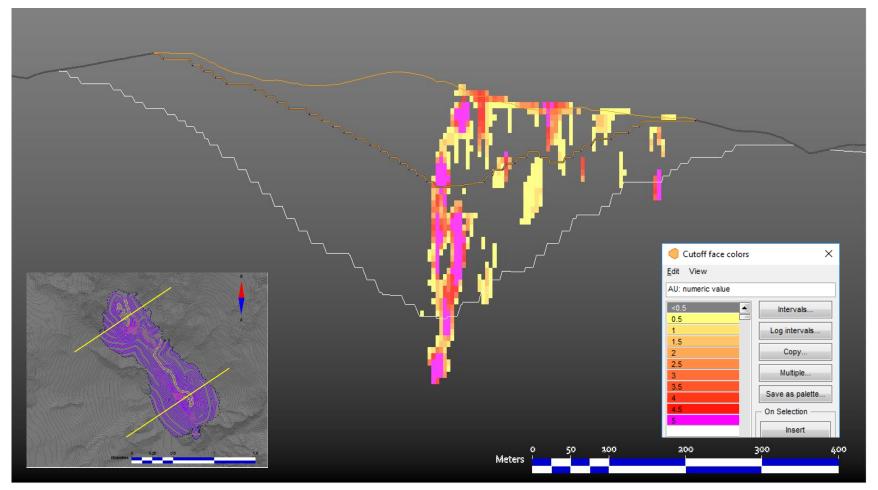




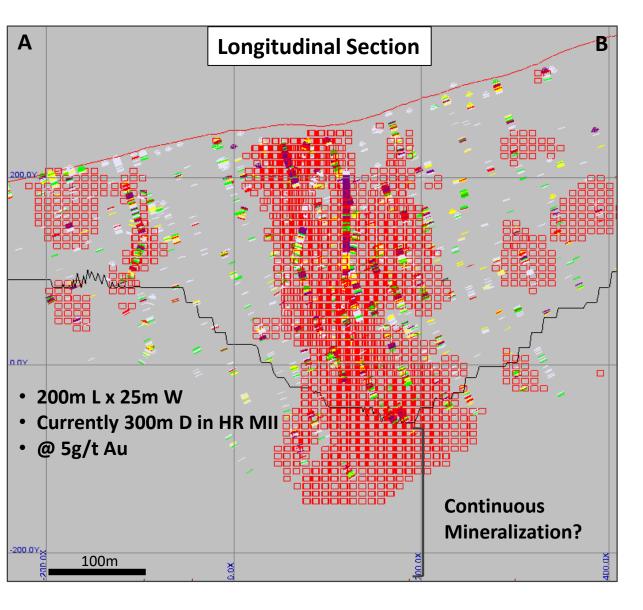
Activity	Date
Start mobilizing construction team on site	November 2018
Complete infrastructure pad geotechnical investigation	November 2018
Complete camp construction	November 2018
Complete pit slope optimization study	November 2018
Complete recovery optimization test work and study	February 2019

Going Underground at Saramacca?

- Preliminary assessment of underground potential on-going.
- High level pit optimization shows significant reduction in SR.
- Current capital disbursement and pit phasing structured for UG optionality.

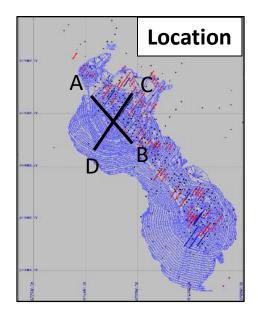


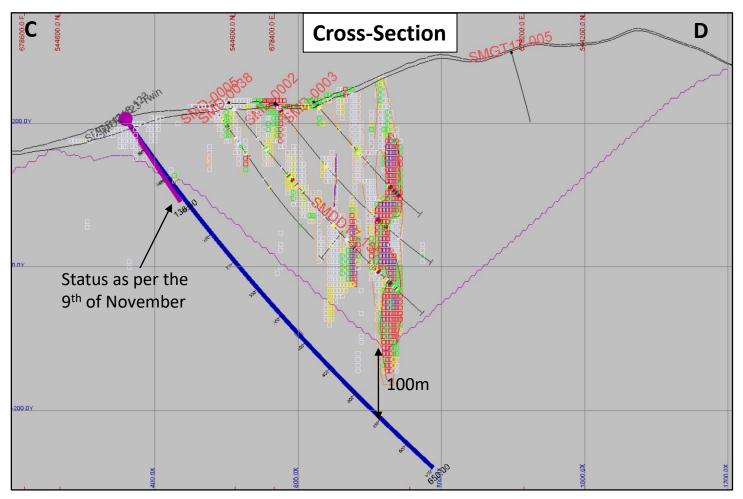
Longitudinal Section of North-West Shoot



Underground Potential :

- ✓ 2,500m DDH
- Define 200x250x25m area
- ✓ Targeting 5 g/t
- North-West and South-East shoots





- First "underground potential" DDH:
 - ✓ Drilling started November 5th, 2018
 - √ 138.5m drilled (as per the 9th of November)



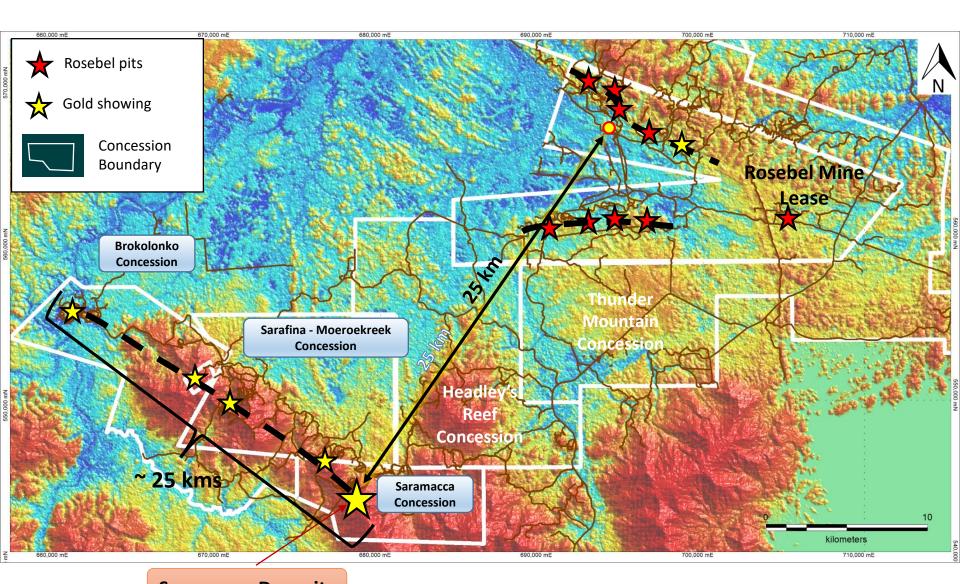
Exploring the Consolidated Land Package

Continuing Transformation



- Consolidation of the prospective land packages within 45km of the Rosebel mill continues.
 - ✓ Sarafina property acquired in March 2014.
 - ✓ Saramacca property acquired in August 2016.
 - ✓ Exploration rights to Brokolonko secured in January 2018. Preliminary drill results released November 8, 2018. Drilling on-going to confirm presence of mineralization and to evaluate the total resource potential.





Saramacca Deposit

Exploring the Consolidated Land Package



HSS

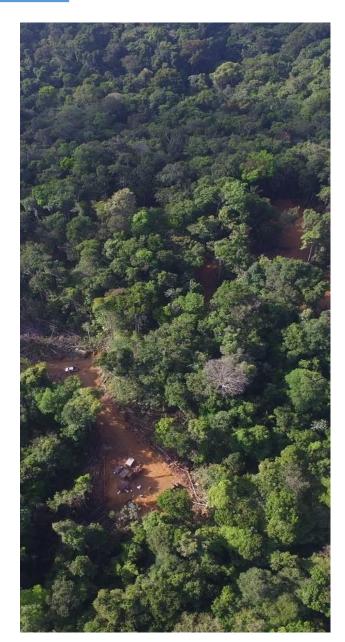
✓ Suriname Exploration achieved <u>5 years</u>
 <u>without a LTA</u> on August 7th, 2018.

2018 Drilling Activities

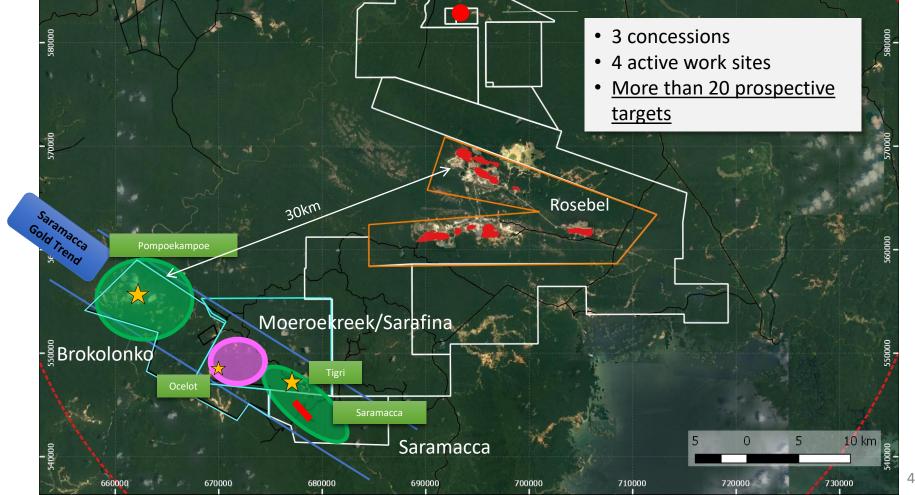
- ✓ Brokolonko
 - 45 DDH for 7,069m
- ✓ Saramacca
 - Exploration 27 DDH for 4,643m
 - Condemnation 29 RCH for 3,726m
- ✓ Sarafina (ongoing)
 - 31 DDH for 5,650m

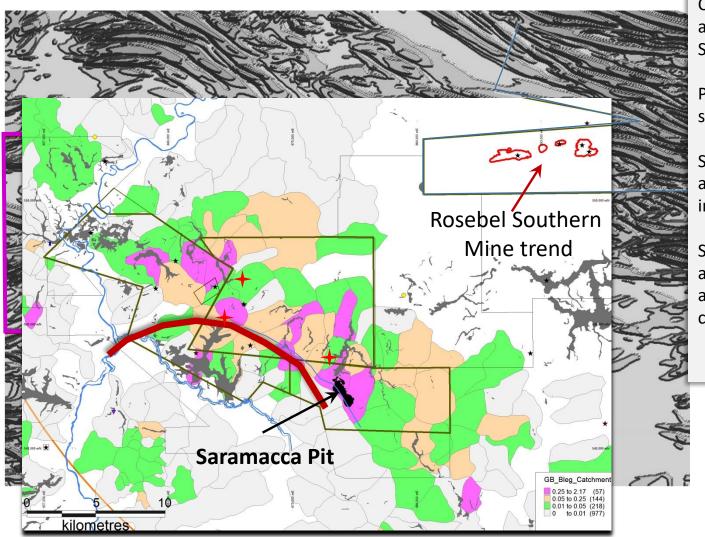
Exploration Program Overview

- ✓ Geo mapping on Saramacca, Moeroe, Broko
- ✓ Soil sampling MMI and Aqua Regia (study)
- Geophysics along Saramacca Trend



- Develop new resources along the Saramacca Trend to consolidate the Rosebel Gold Mine Complex.
 - Expansion of the Saramacca resource footprint.
 - Evaluation and expansion of existing prospects.
 - ✓ Identify new gold prospects based on geology, geochemistry and geophysics.





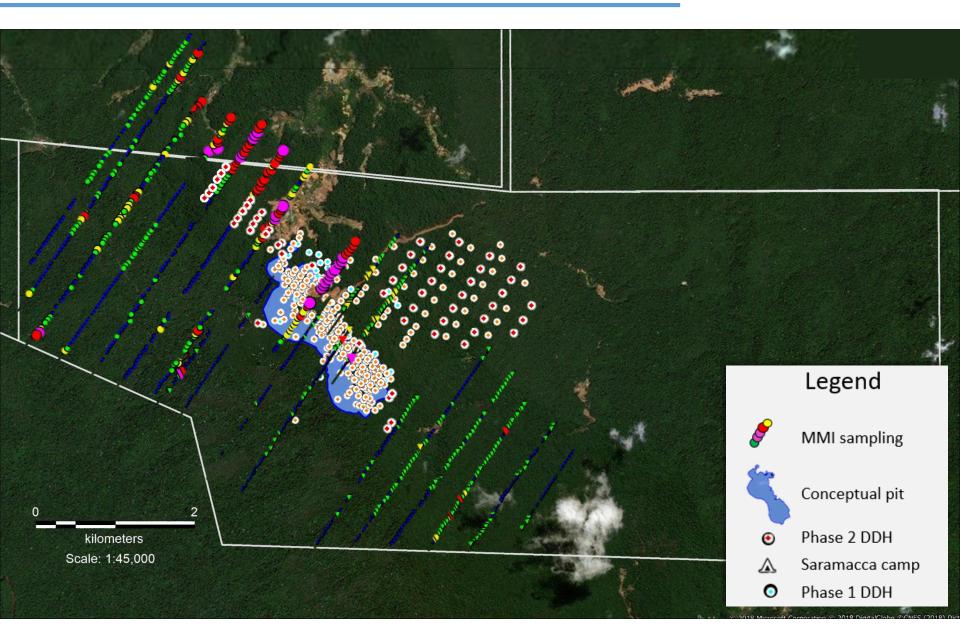
Complex structural architecture along the Saramacca Trend

Pompoekampoe structurally different

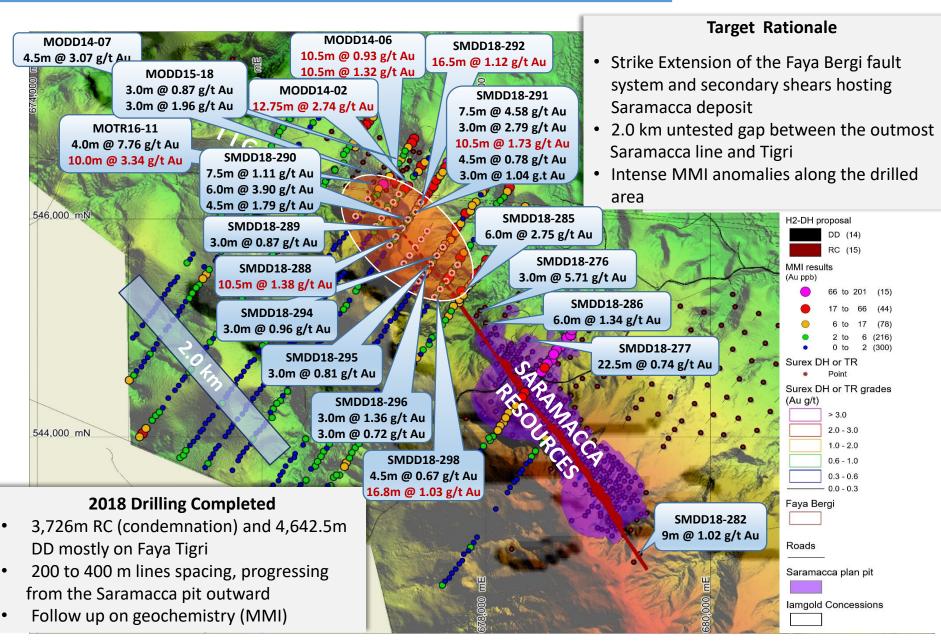
Second trend wrapping around a potential intrusive

Saramacca and Ocelot associated with anomalous BLEG catchments

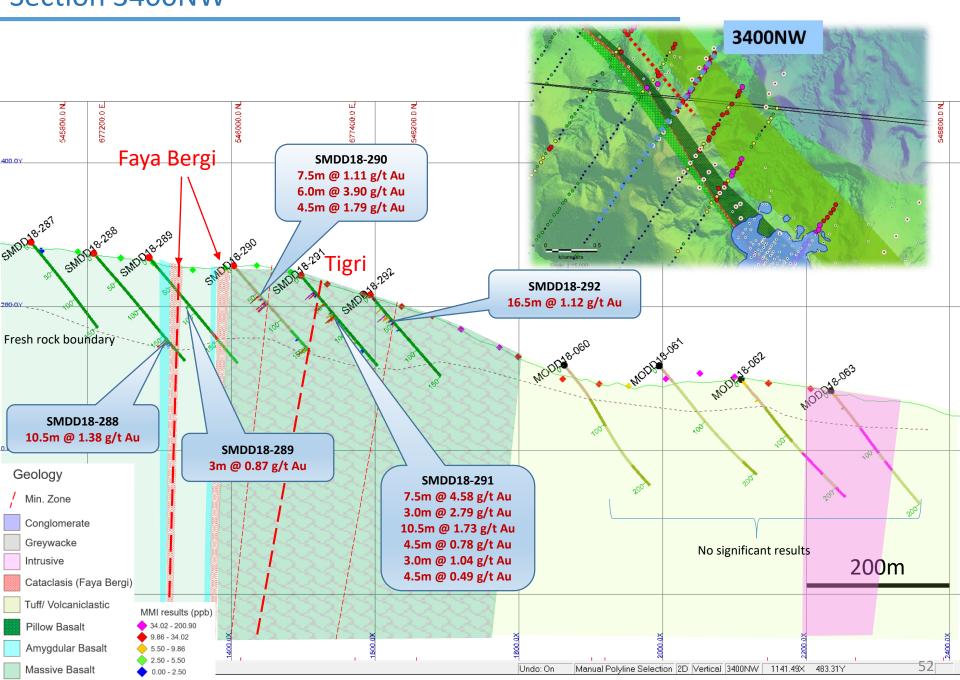
Saramacca Deposit – Exploration Sequence



Saramacca Trend – Northwest Expansion







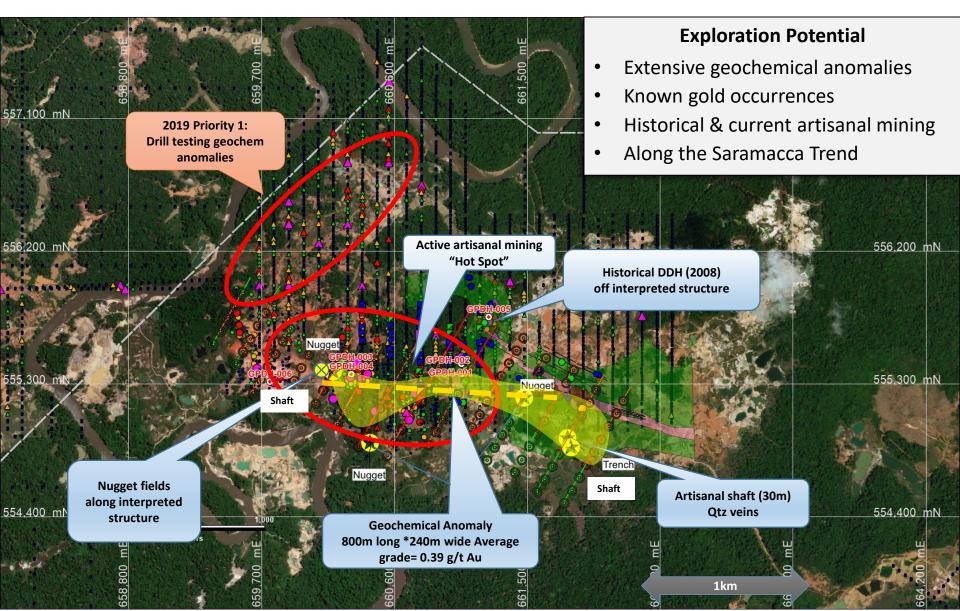




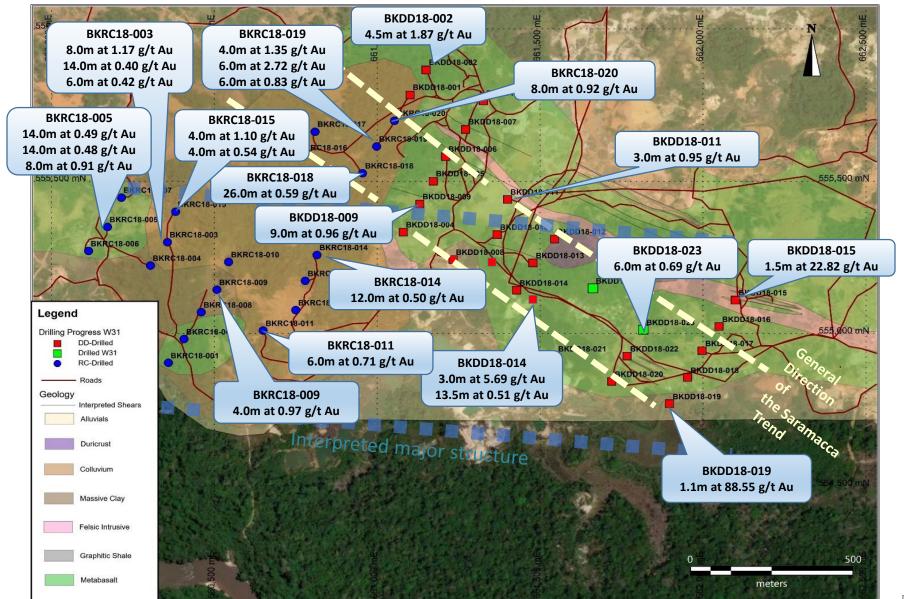
SSM saprolite mining

Nugget field

Pompoekampoe (Brokolonko) Drilling Program



Background is Big 2 satellite image





RGM Landscape – SWOT

Strengths

- Government support
- In-country talent level
- LOM and consolidated land package
- Mill stability
- Strong management team

Opportunities

- New power agreement
- Saramacca underground potential
- UJV buy-out
- New gold complex strategy
- Controlled reconciliation

Weaknesses

- Reclaim footprint
- UJV metal accounting
- AISC
- Site financed Saramacca capital
- Blending requirements

Threats

SSM

SWOT

- Mill life span
- Limited in-country talent pool
- Gold price
- Surinamese economic decline



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