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CORPORATION

Saramacca NI 43-101 Maiden Mineral Resource Estimate

September 6, 2017

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Forward Looking Statement

This presentation contains forward-looking statements. All statements, other than of historical fact, that address activities, events or developments that the Company believes, expects or anticipates will or may occur in the future (including, without limitation, statements regarding expected, estimated or planned gold production, all-in sustaining costs and other cost estimates, capital expenditures and exploration expenditures and statements regarding the estimation of mineral resources and mineral reserves, exploration results, life-of-mine estimates and potential mineral resources and mineral reserves) are forward-looking statements. Forward-looking statements are generally identifiable by use of the words “may”, “will”, “should”, “continue”, “expect”, “anticipate”, “estimate”, “believe”, “prospective”, “significant”, “significant potential”, “substantial”, “transformative”, “intend”, “plan” or “project” or the negative of these words or other variations on these words or comparable terminology. Forward-looking statements are subject to a number of risks and uncertainties, many of which are beyond the Company’s ability to control or predict, that may cause the actual results of the Company to differ materially from those discussed in the forward-looking statements. Factors that could cause actual results or events to differ materially from current expectations include, among other things, without limitation, failure to meet expected, estimated or planned gold production, unexpected increases in all-in sustaining costs or other costs, unexpected increases in capital expenditures and exploration expenditures, variation in the mineral content within the material identified as mineral resources and mineral reserves from that predicted, changes in development or mining plans due to changes in logistical, technical or other factors, the possibility that future exploration results will not be consistent with the Company’s expectations, changes in world gold markets and other risks disclosed in IAMGOLD’s most recent Form 40-F/Annual Information Form on file with the United States Securities and Exchange Commission and Canadian securities regulatory authorities. Any forward-looking statement speaks only as of the date on which it is made and, except as may be required by applicable securities laws, the Company disclaims any intent or obligation to update any forward-looking statement.

Qualified Persons & Technical Information

The mineral resource estimate, including verification of the data disclosed, has been completed by SRK Consulting (Canada) Inc ("SRK") and reported in accordance with NI 43-101 requirements and CIM Estimation Best Practice Guidelines. The resource estimate was prepared by Mr. Glen Cole, P.Geo., Principal Resource Geologist and Dr. Oy Leuangthong, P.Eng., Principal Geostatistician with SRK.

Both Mr. Cole and Dr. Leuangthong, who are independent qualified persons under NI 43-101, have reviewed and approved the contents relating to the mineral resource estimate in this presentation. The technical information in this presentation 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.

Notes to Investors Regarding the Use of Resources

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.

Scientific and Technical Disclosure

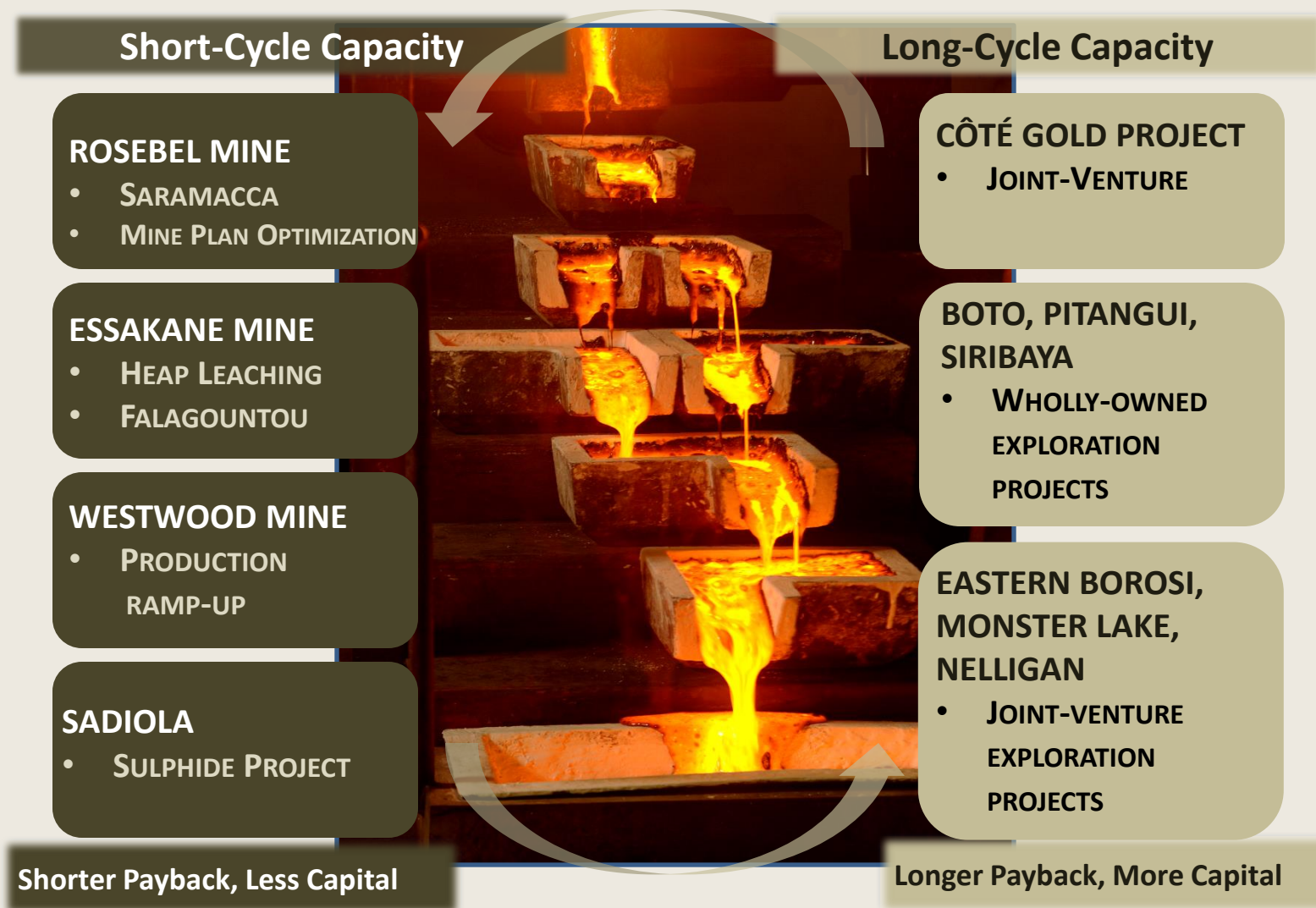
IAMGOLD is reporting mineral resource estimates in accordance with the CIM guidelines for the estimation, classification and reporting of resources.

Steve Letwin

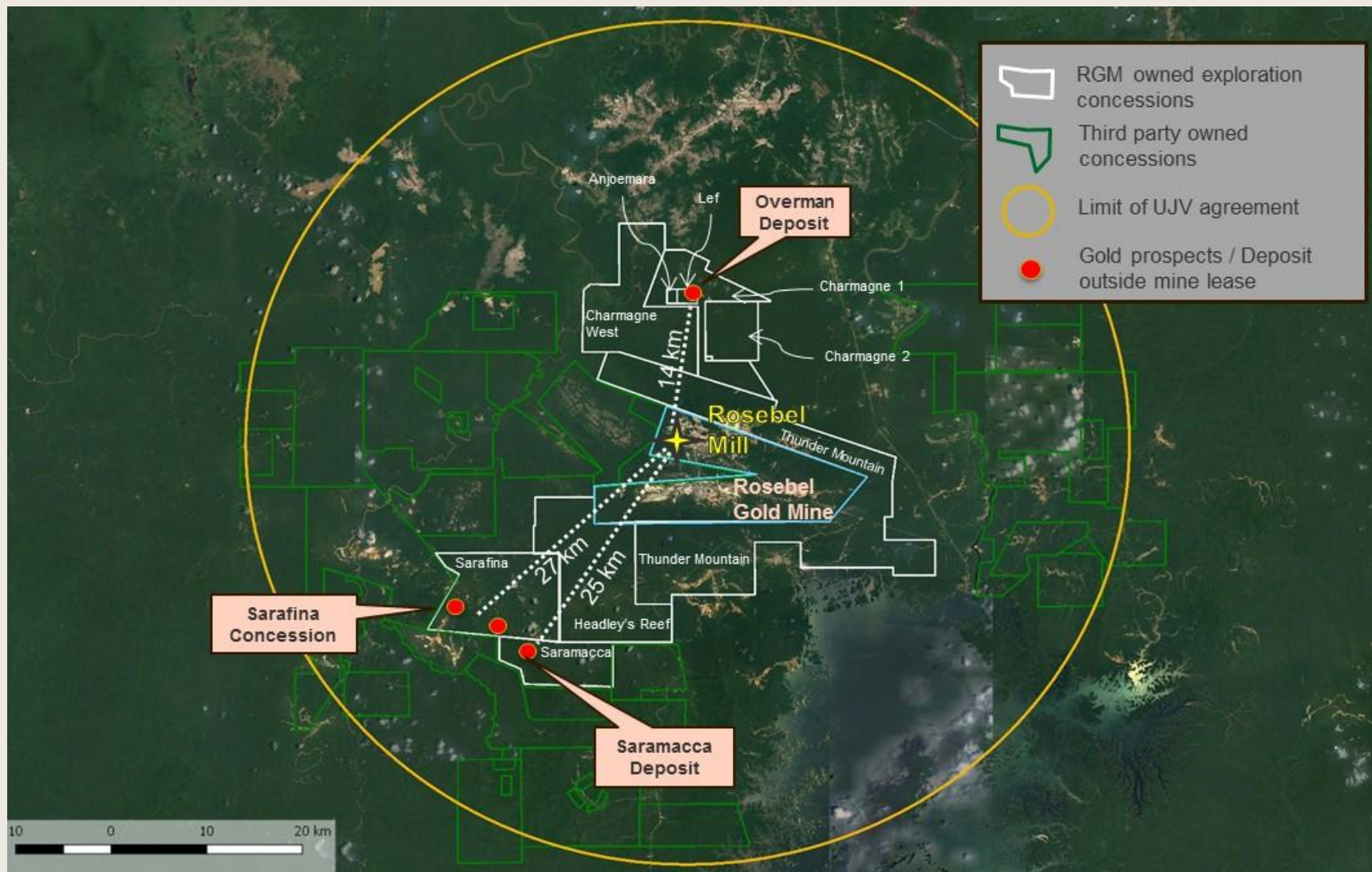
Transformation of Rosebel Continues



Balanced Business Model



Consolidating Prospective Land Packages Around Rosebel





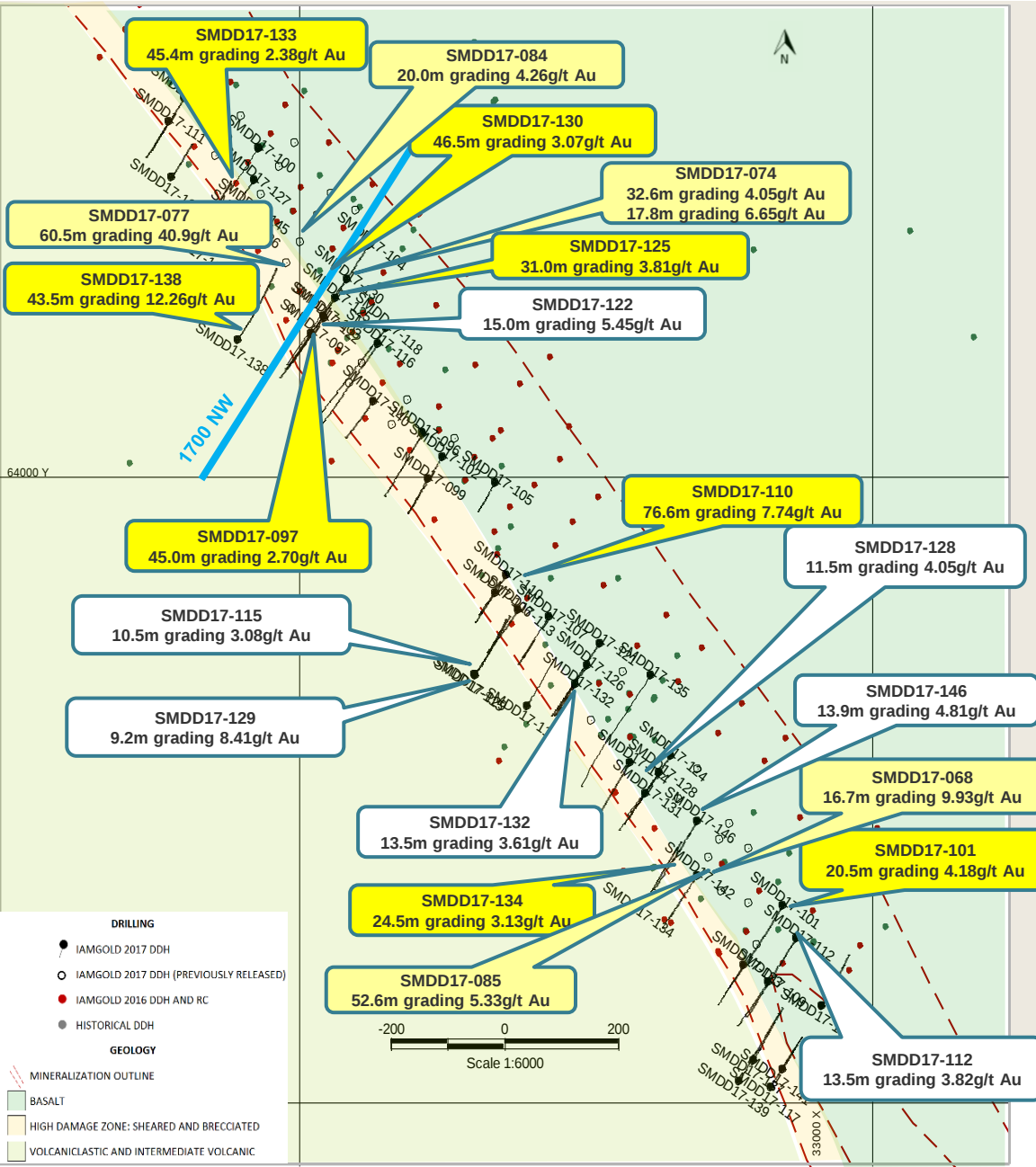
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Craig MacDougall

Saramacca's Mineral Resource Estimate
and Exploration Highlights

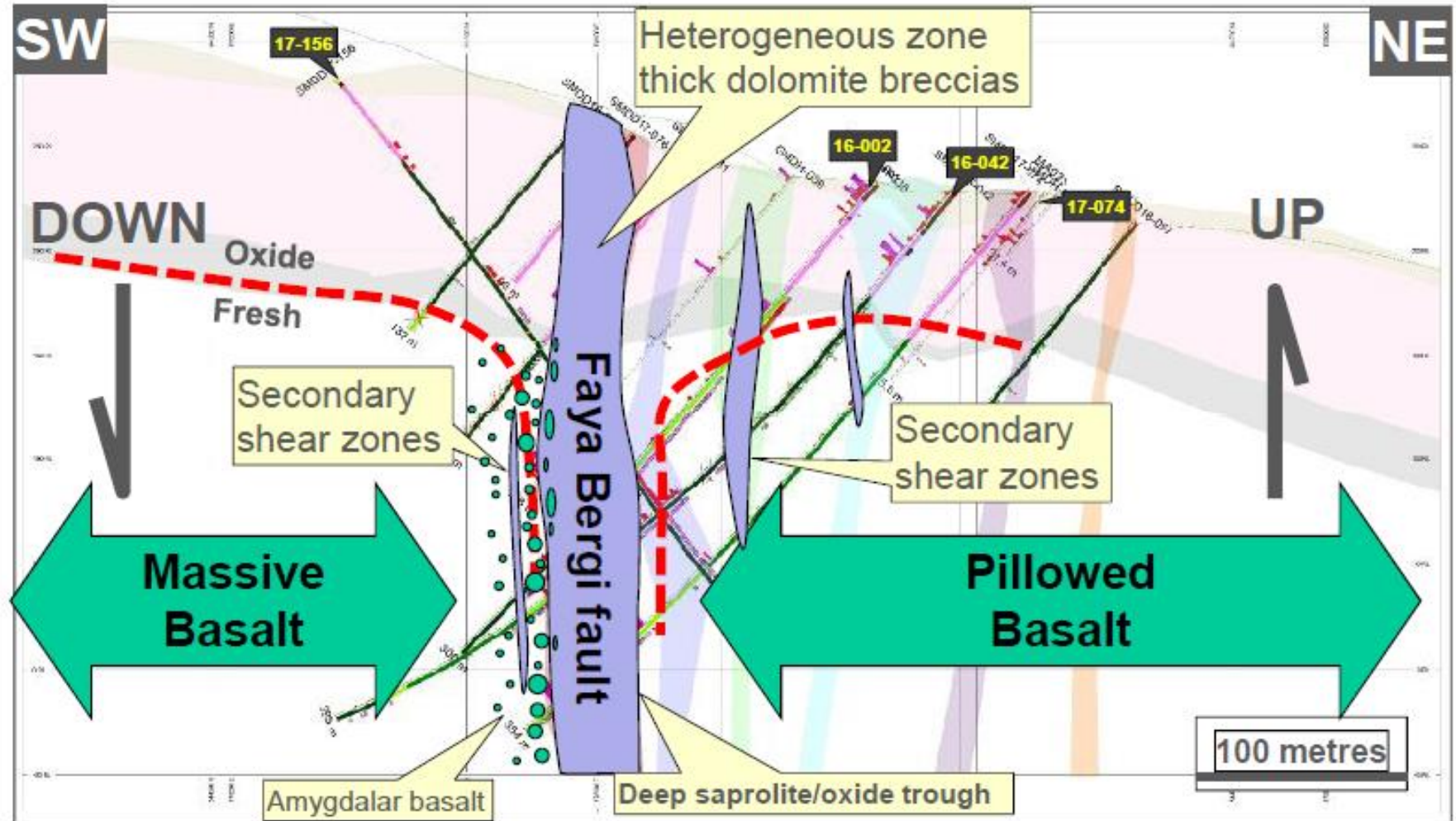
2016-2017 Drilling Highlights



The Delineation Drilling Program:

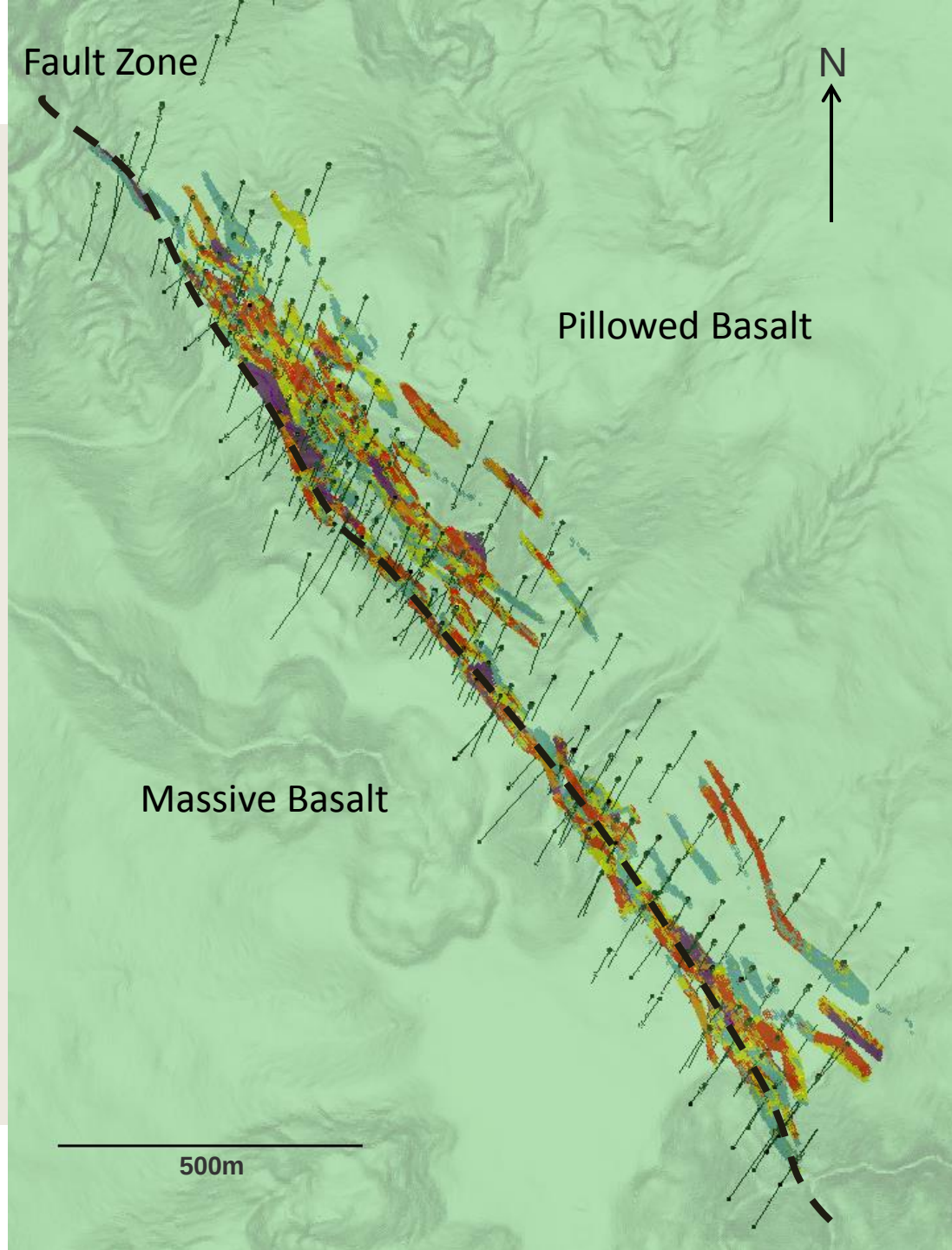
- 2,000m x 400m area
- 50m x 50m drilling pattern to a depth of ~250m, focused on top 100-150m
- 180 diamond drill holes totaling 34,300m
- 37 reverse circulation holes totaling 3,450m

Deposit & Structural Setting

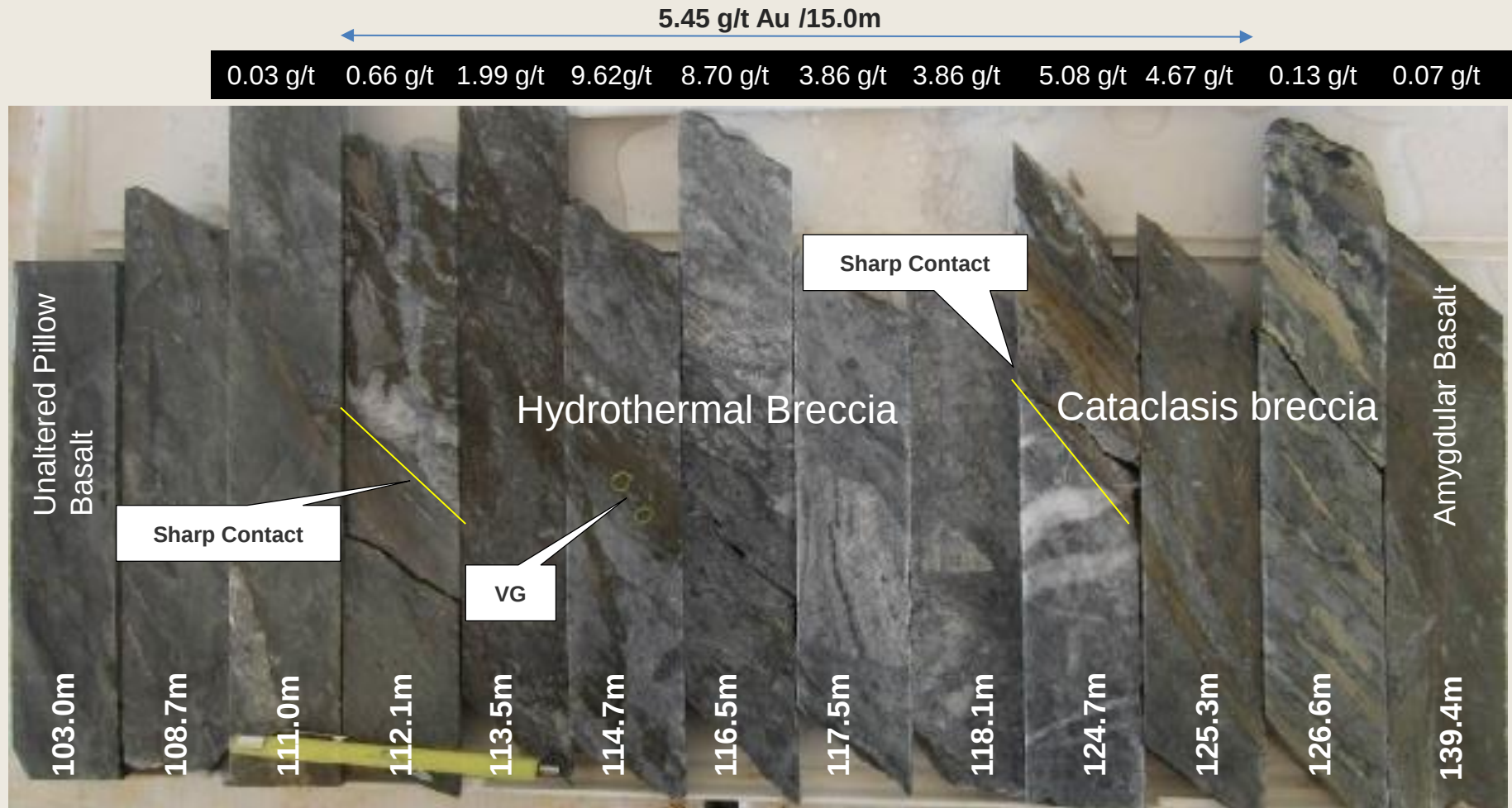


Saramacca Mineralization

- Gold mineralization associated with a major brittle-ductile vertical fault zone located at the contact between massive and pillowed basalt units
- Multiple mineralized structures with main fault and associated sub parallel shear zone within corridor at least 2km along strike (open) and 400m wide
- Deep weathering profile preserved with the depth of oxidation ranging from 50m to 100m and locally to 200m



Typical Mineralized Sequence



(* Fresh Rock)

Resource Estimation Summary

- **Data base:** 307 diamond & reverse circulation drill holes totaling 47,000 metres
 - › IMG: 217 DD & RC holes totaling 37,700 metres (80% of total)
 - › 32,250 assay intervals & 2,350 SG determinations
- **Modelling:** Wire frames created for dominant lithologies, mineralized structures & weathering profile
 - › Mineralized structures sub-domained by grade
- **Data Conditioning:**
 - › Assay QA / QC review
 - › Assay composite length - 1.5 metres
 - › Variable capping by domain (i.e. HG domains capped at 20 - 40 g/t Au)
 - › Continuity analysis by calculating variograms using Geostatistical Software Library
 - Low nugget and long ranges confirm good continuity within domains
- **Block model:**
 - › 5 x 10 x 5 metre blocks
 - › Interpolation by ordinary kriging
- **Classification:**
 - › Indicated blocks: 40 x 40 x 40 metre search radii informed by a minimum 3 drill holes
 - › Inferred blocks: all other blocks not more than twice the variogram range
- **Conceptual pit shell @ US\$1,500 /oz:**
 - › Slopes: 30°, 35°, 45°
 - › Met recoveries: 97%, 76%, 82%
 - › Cut off grades: 0.25, 0.35, 0.45

} (laterite/saprolite, transition, fresh rock)

 - Operating costs: as per current Rosebel operations plus a transport cost

Mineral Resource Statement – Saramacca (as at August 28, 2017)

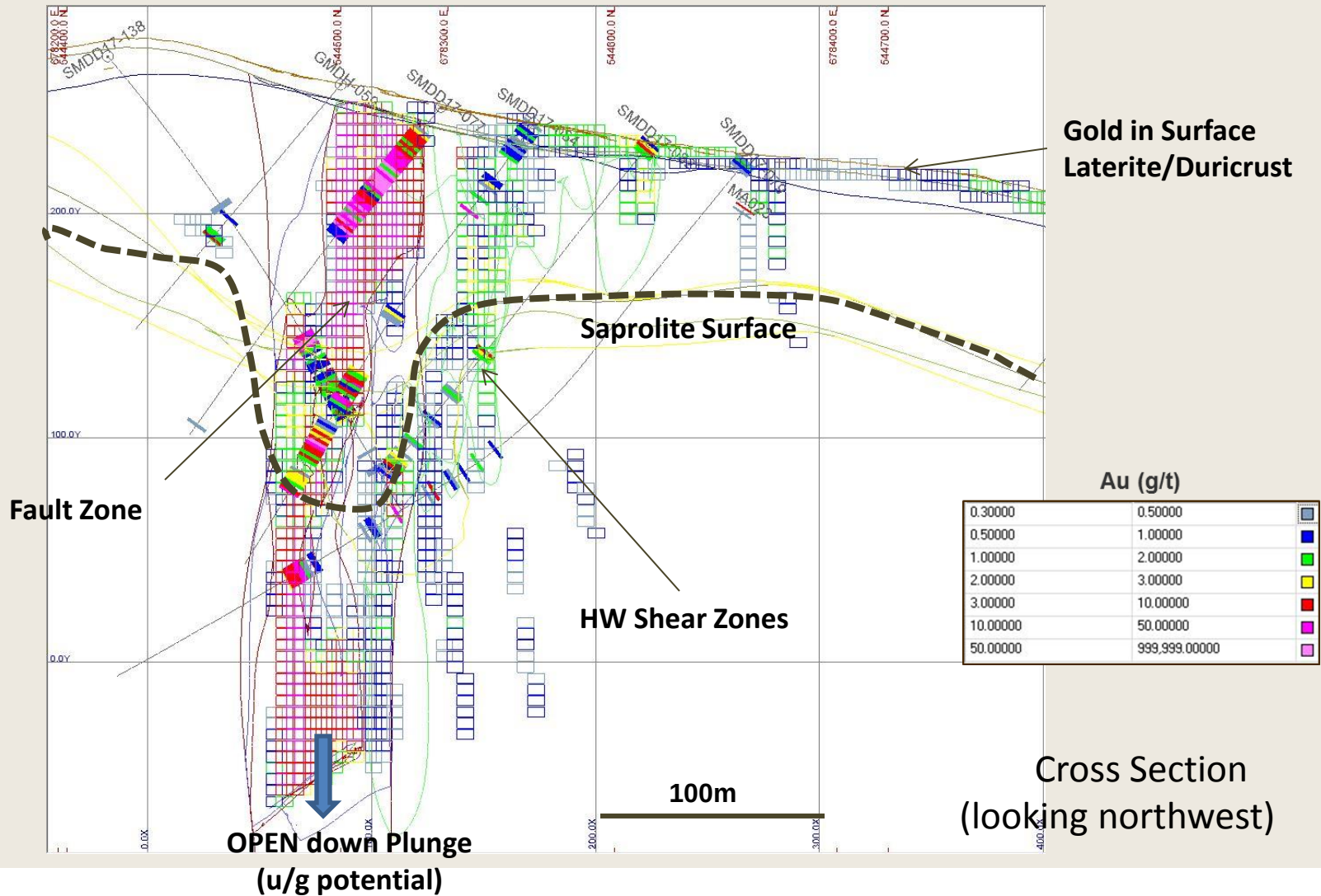
Category	Weathering Zone	Cut-off Grade (g/t Au)	Tonnage (‘000 t)	Grade (g/t Au)	Contained Au (koz)
Indicated	Laterite	0.25	2,372	1.20	91
	Saprolite	0.25	5,573	2.43	436
	Transition	0.35	2,526	2.17	176
	Fresh	0.45	3,973	2.49	318
Total Indicated			14,444	2.20	1,022
Inferred	Laterite	0.25	4,455	0.69	98
	Saprolite	0.25	4,790	0.82	126
	Transition	0.35	1,349	1.97	86
	Fresh	0.45	3,039	2.13	208
Total Inferred			13,632	1.18	518

Notes:

1. Mineral resources are not mineral reserves and have not demonstrated economic viability.
2. CIM definitions were followed for classification of Mineral Resources.
3. Cut-off grades are 0.25 g/t Au for laterite and saprolite, 0.35 g/t Au for transition and 0.45 g/t Au for fresh rock.
4. Mineral Resources are reported using a gold price of US\$1,500 per ounce.
5. Mineral Resources are constrained by a Whittle optimized pit shell.
6. All figures have been rounded to reflect the relative accuracy of the estimates. Discrepancies in sums may occur due to rounding.

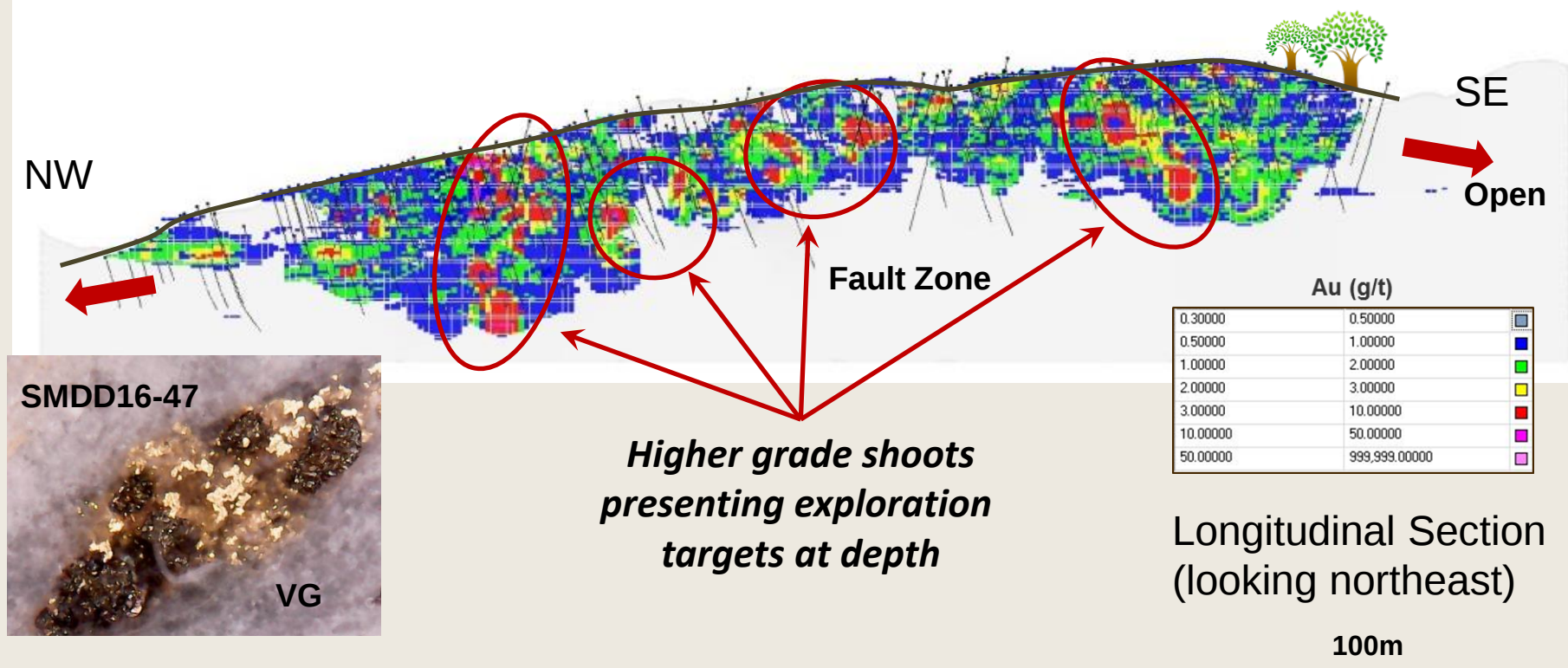
* See News Release dated September 5, 2017

Section 1700NW – Gold Grade Block Model vs Drill Intercepts



Block Model with Interpolated Gold Grades

Continuous Envelope of lower grade mineralization along Fault Zone with Higher Grade “Shoots”

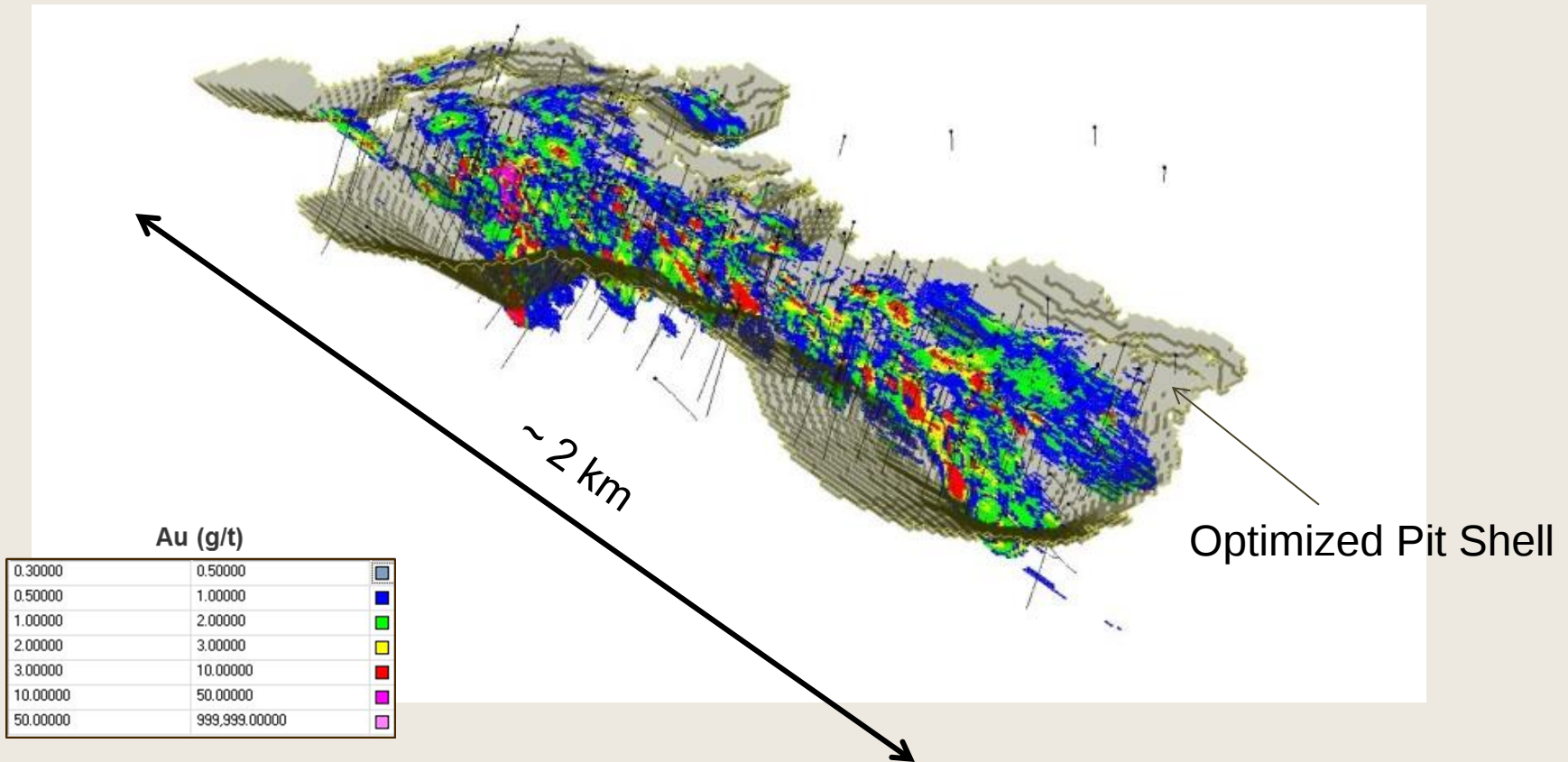


Resources Constrained by Conceptual Pit



Pit Optimization Parameters

- Pit slopes: 30 – 45° (sap to fresh)
- Metal Recoveries (%): 97 (lat/sap), 76 (trans), 82 (fresh)
- Mining: 95% mining recovery, 5% dilution



Exploration Upside

Location Map
(combined Lidar)

Rosebel North Trend

Rosebel South Trend

ROSEBEL MINE

Headley's Reef Concession

Saramacca Gold Trend

Sarafina Concession

25km

Saramacca Concession

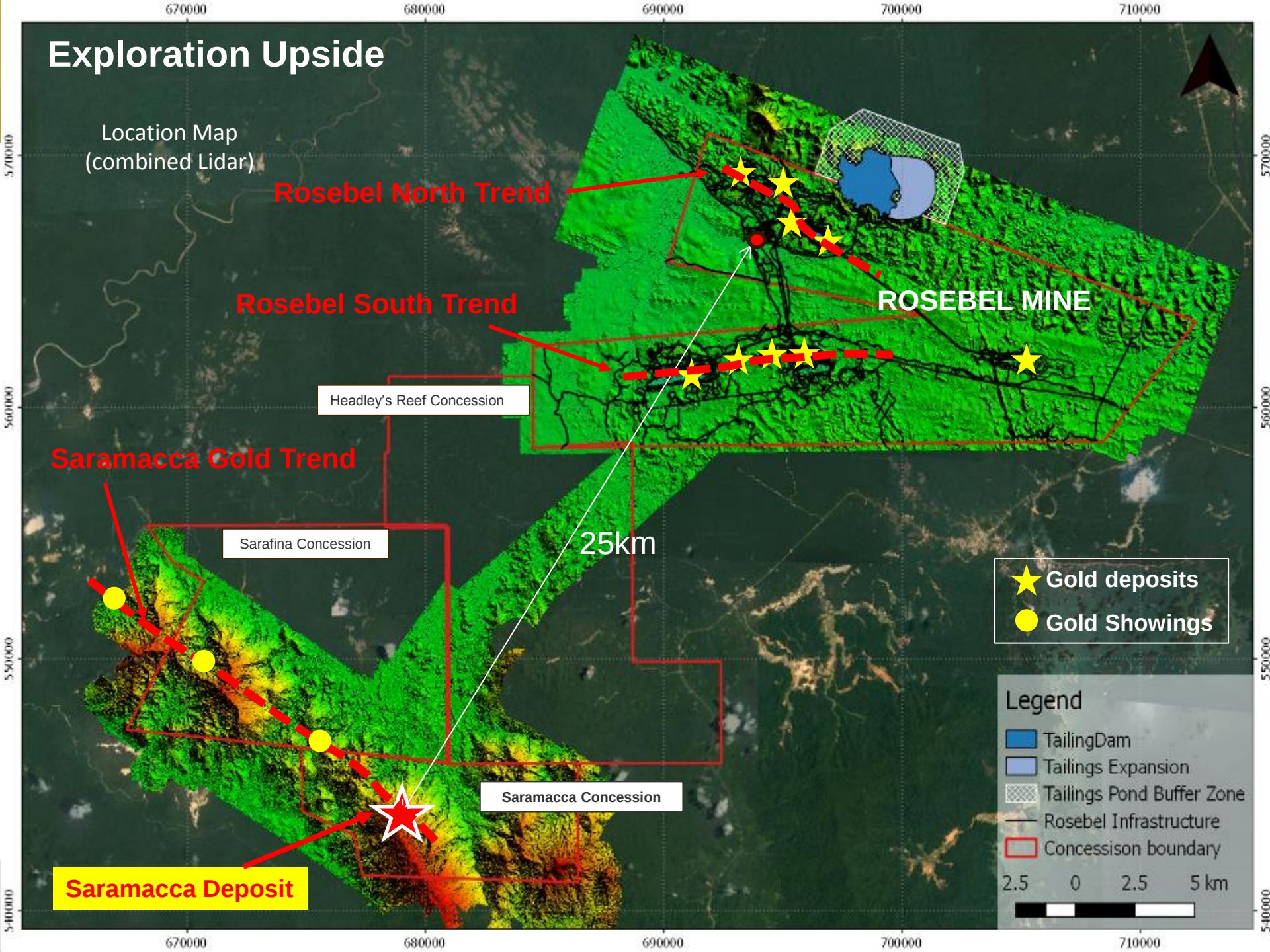
Saramacca Deposit

- ★ Gold deposits
- Gold Showings

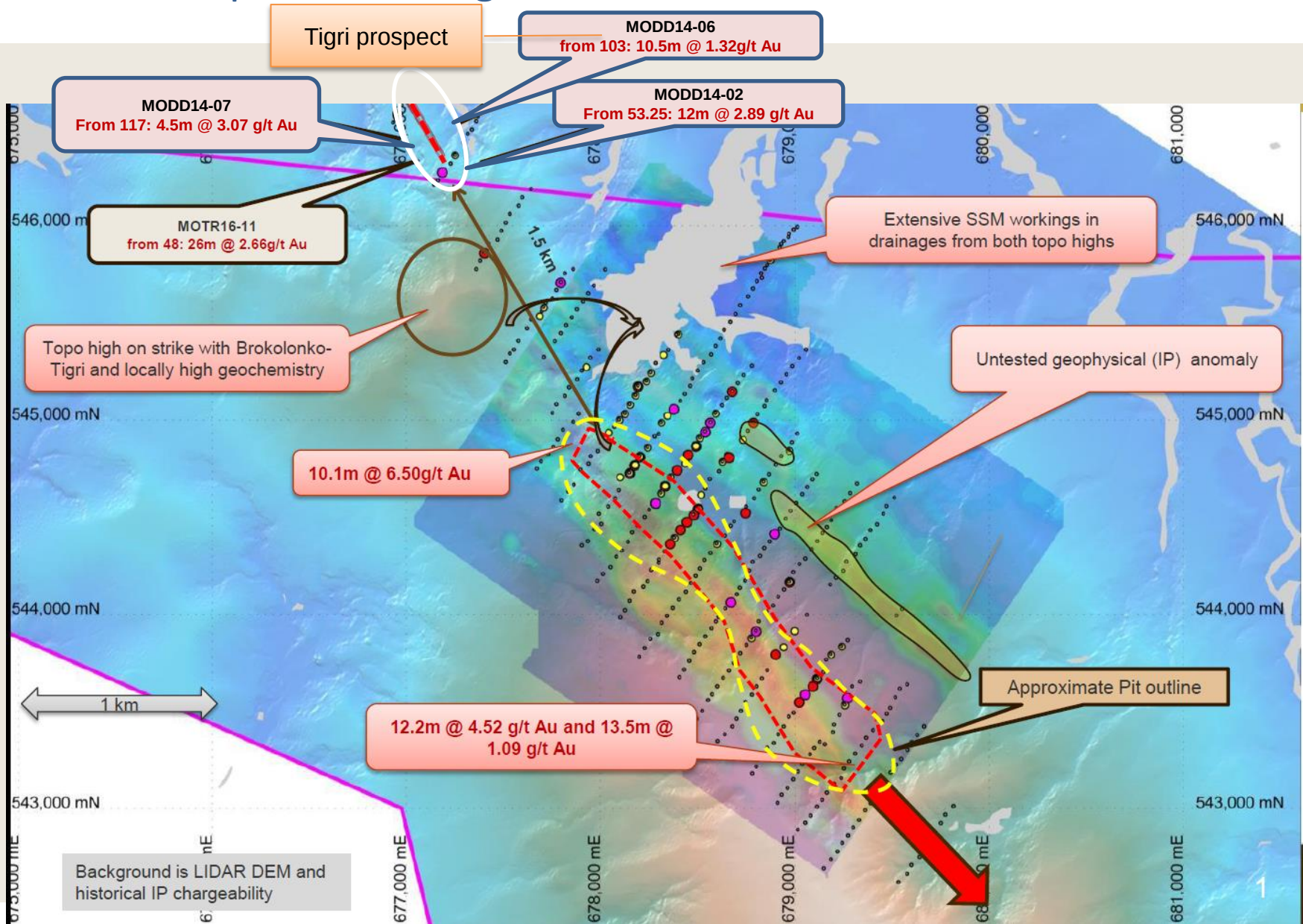
Legend

- TailingDam
- Tailings Expansion
- Tailings Pond Buffer Zone
- Rosebel Infrastructure
- Concession boundary

2.5 0 2.5 5 km



Additional Exploration Targets



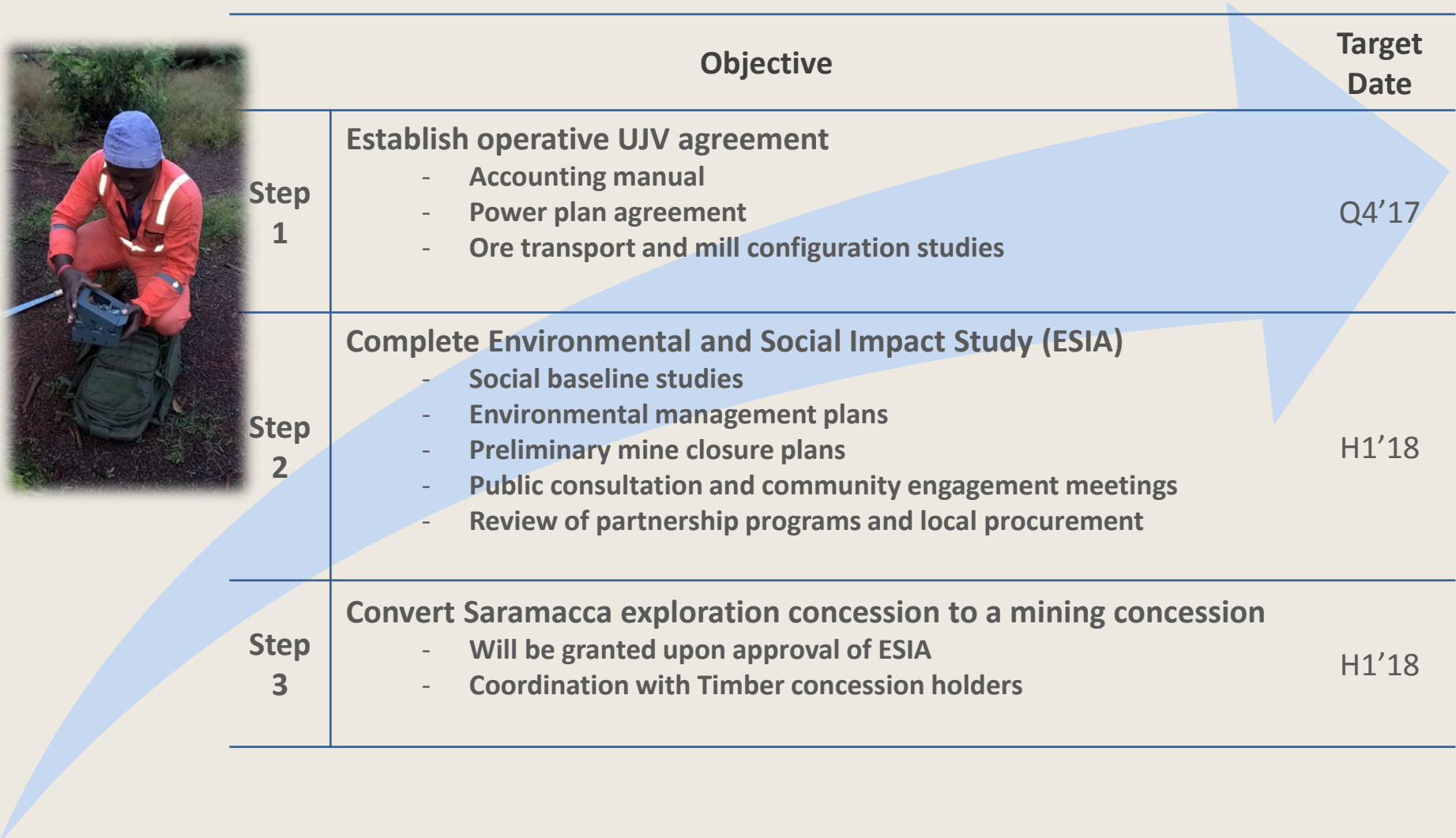
Next Steps

1. Increase confidence in resource; convert Inferred to Indicated
2. Expand existing resource along known mineralized trends
3. Evaluate additional exploration targets
4. Complete remainder of 2017 drill program totaling ~20,000 metres

Gordon Stothart

Permitting & Development

Next Steps - Permitting



	Objective	Target Date
Step 1	Establish operative UJV agreement - Accounting manual - Power plan agreement - Ore transport and mill configuration studies	Q4'17
Step 2	Complete Environmental and Social Impact Study (ESIA) - Social baseline studies - Environmental management plans - Preliminary mine closure plans - Public consultation and community engagement meetings - Review of partnership programs and local procurement	H1'18
Step 3	Convert Saramacca exploration concession to a mining concession - Will be granted upon approval of ESIA - Coordination with Timber concession holders	H1'18



Next Steps - Development

Mine Development

- Infrastructure planning underway:
 - › Ore transport options / transportation corridors
 - › Waste rock disposal and stockpiles
 - › Site roads and infrastructure
 - › Infrastructure capital requirements

Metallurgical Testing

- Refine recovery assumptions
- Test crushing and grinding characteristics
- Assess metallurgical variability

Mine Design

- Integrated scheduling of Saramacca and Rosebel resources
- Detailed operating cost models
- Complete geologic and engineering studies
 - › Geotechnical and water management
 - › Mining fleet selection and capital requirement

Exploration and Drilling

- Orebody extensions
- Infilling / conversion of inferred resources
- Geotechnical investigation and condemnation drilling



Initial production expected 2019



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