

Q3 2016 Results November 8, 2016

Management Participants

Steve Letwin	President & Chief Executive Officer
Gordon Stothart	Executive Vice President & Chief Operating Officer
Carol Banducci	Executive Vice President & Chief Financial Officer
Craig MacDougall	Senior Vice President, Exploration
Jeff Snow	General Counsel and Senior Vice President, Business Development
Bob Tait	Vice President, Investor Relations



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All information included in this presentation, 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 quidance 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 forward-looking 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 quarantees 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.

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Q3'16 - Notable Highlights

Strong Financial and Operating Results

- Net earnings up \$102M year over year
- Gold production of 210,000 ounces
- AISC \$1,046/oz
- Cash Costs \$714/oz

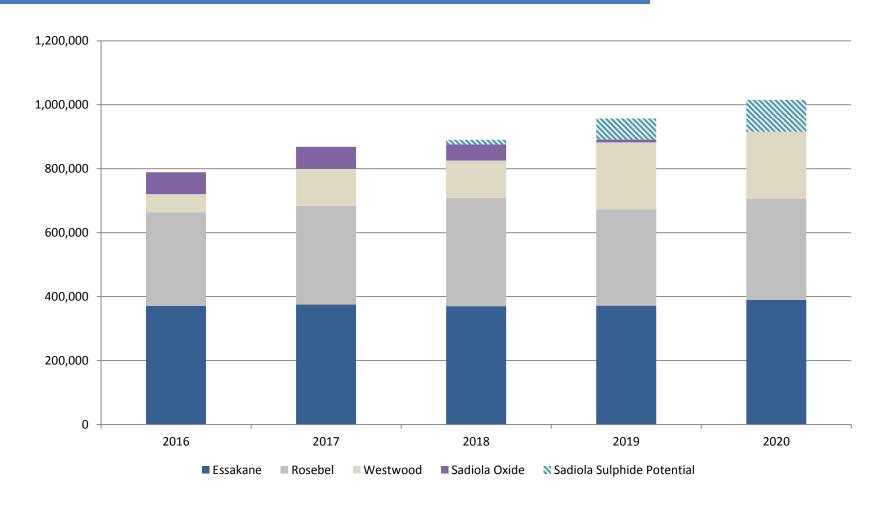
<u>Positive</u> <u>Developments</u>

- Signed agreement with Government of Suriname to acquire the Saramacca property
- \$230M equity financing
- 23% reduction in long-term debt

Well Positioned for Growth



Potential Production Pipeline



Targeting AISC of \$900-\$950/oz by 2020

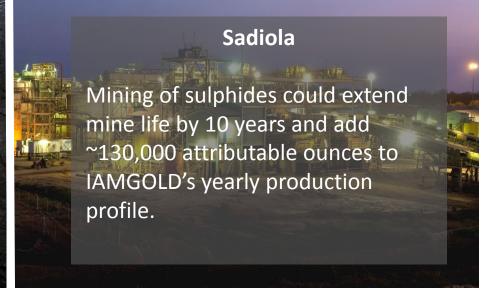


Organic Growth at Existing Mines





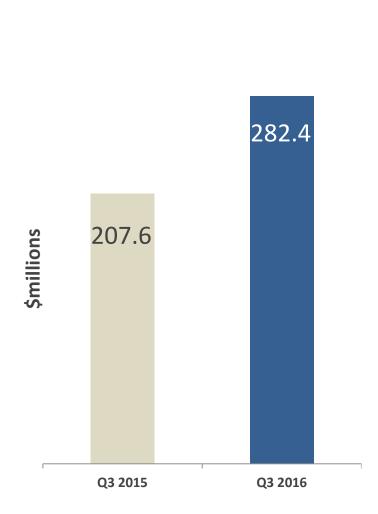
Westwood Significant underground development underway with production expected to nearly double in 2017 and full ramp-up to 180,000-200,000 ounces by 2019.





Financial Review

Revenues¹



	Q3 2015	Change	Q3 2016	Revenue Impact (\$millions)
Gold Price ² (\$/oz.)	1,121	18%	1,326	43.6
Gold Sales ³ Owner-Operator (000s oz.)	184	15%	211	31.1

Quarterly Change in Gold Sales ³ by Site (000s oz)				
Q3 2015 Q3 2016 Change				
Essakane	114	126	12	
Rosebel	68	69	1	
Westwood	2	16	14	
Total 184 211 27				

³ Gold sales – 100% basis.



¹ Revenues exclude equity accounted joint ventures.

² Average realized gold price per ounce sold. This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for reconciliation to GAAP.

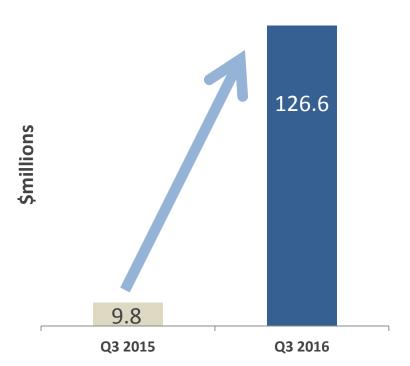
Cost of Sales

(\$millions)	Q3 2015	Q3 2016	Variance	_
Operating Costs	149.6	147.4	(2.2)	 Main Factors: 1. Rosebel Workforce reductions Devaluation of SRD against USD
Depreciation	68.3	69.3	1	 Higher capitalized stripping Lower fuel prices Essakane Higher capitalized stripping Lower fuel prices
Royalties	9.7	13.5	3.8	Lower fuel pricesPartially offset by:3. WestwoodIncreased production
Cost of Sales	227.6	230.2	2.6	

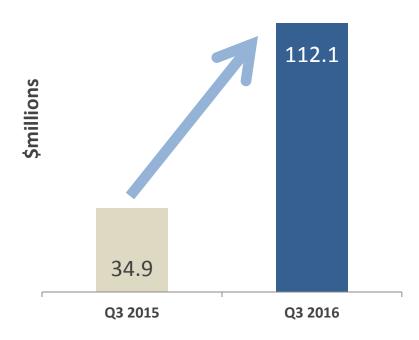


Net Operating Cash Flow

Net Cash from Operating Activities



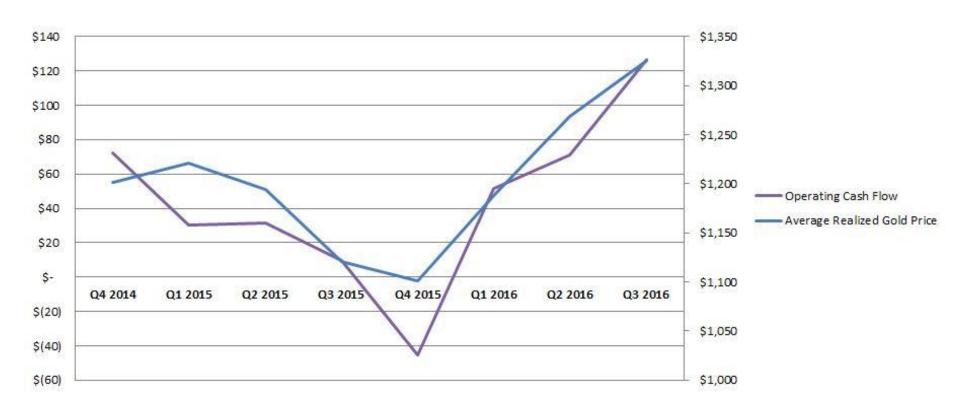
Net Cash from Operating Activities Before Changes in Working Capital¹



¹ This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for more information.



Operating Cash Flow & Realized Gold Price by Quarter





Adjusted Net Earnings¹

(In \$ millions, except for per share amounts)	Q3′16
Net earnings from continuing operations attributable to equity holders	17.0
Normalization of costs at Westwood	6.3
Unrealized derivative (gain)	(1.6)
Gain on purchase of Senior Unsecured Notes	(4.0)
Other	4.1
Adjusted net earnings (loss) from continuing operations attributable to equity holders ¹	21.8
Adjusted net earnings (loss) from continuing operations attributable to equity holders per share (\$/share)¹	0.05

¹ This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for more information.



Gold Margins^{1,2}



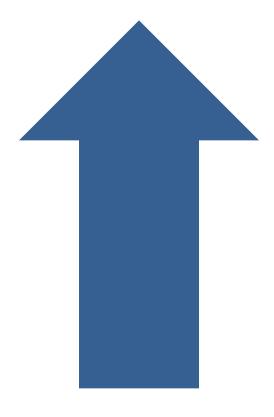
¹ Consists of Essakane, Rosebel, Westwood and the JVs on an attributable basis.

² This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for more information.

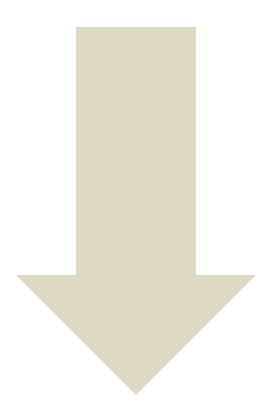


Recent Financial Transactions

\$230M raised in bought deal financing



23% reduction to long-term debt



Transactions

- Issued US\$230 million common shares, including \$30 million in over-allotment
- Purchased US\$146 million of Senior Unsecured Notes

Result

- Reduced long-term debt to \$489 million lowers interest expense by \$39.4 million over remaining debt term
- Increases financial capacity to fund organic growth



Liquidity as at September 30, 2016

Cash & Cash Equivalents*

\$627

Available Credit Facility

\$168

Total Liquidity \$795

*Excludes restricted cash of \$123M





Operational Review

Q3'16 Production & Costs Summary

	Attributable Production (oz)	Total Cash Costs ¹ (\$/oz produced)	AISC¹ (\$/oz sold)
Essakane	104,000	\$624	\$815
Rosebel	72,000	\$728	\$1,183
Westwood	16,000	\$888	\$1,391
Sadiola	17,000	\$999	\$1,057

Total	210,000*	\$714	\$1,046
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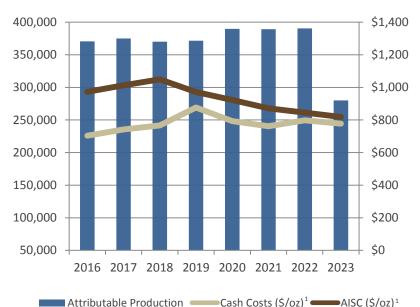
^{*}Includes 1,000 oz from Yatela, which is in closure mode.



Essakane – Burkina Faso (90%)



Essakane LOM - Production & Costs Forecast



Q3 2015 **Q3 2016**

Attributable gold production	107,000	104,000
Head grade	1.23	1.30
All-in sustaining costs¹ (\$/oz)	\$922	\$815
Total cash costs¹ (\$/oz)	\$747	\$624

Q3 2016 Highlights

- 6% increase in grade QoQ
- Lower throughput due to increase in hard rock and lower recoveries resulting from higher graphite content in ore
- Decrease in cash costs due to 4% decline in operating costs as a result of lower fuel prices and higher capitalized stripping
- AISC down due to higher gold sales, lower cash costs, and lower sustaining capex, other than capitalized stripping

2016 Performance Improvement Initiatives:

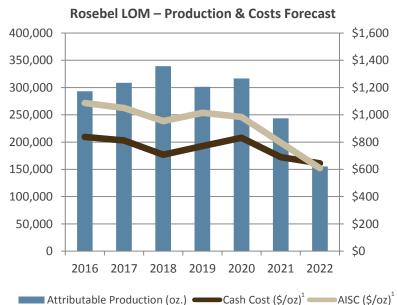
- Geometallurgical study to improve gold recovery when processing high graphite ore
- Commissioned intensive leach reactor
- Commissioned carbon fines treatment system
- Optimizing drilling and blasting practices to reduce amount of explosives used in waste and improve fragmentation in ore
- Automated cyanide injection to enhance circuit stability
- Reduce fuel consumption/improve power plant efficiencies
 - Assessing potential for solar power plant on site

1 This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for more information.



Rosebel – Suriname (95%)





Q3 2015 **Q3 2016**

Attributable gold production	70,000	72,000
Head grade	0.79	0.82
All-in sustaining costs¹ (\$/oz)	\$1,111	\$1,183
Total cash costs¹ (\$/oz)	\$866	\$728

Q3 2016 Highlights

- New CLA signed to support employees with the devaluation of SRD against USD; 15% increase to base salaries and lump sum payments covering Jan/16 to Aug/16
- Throughput higher despite proportion of soft rock declining from 40% to 20%
- Decrease in cash costs due to lower labour costs following 2015 workforce reductions, the devaluation of SRD against USD, lower fuel prices, reduced fuel consumption, and higher capitalized stripping
- AISC higher due to higher sustaining capex

2016 Performance Improvement Initiatives:

- Addition of power flex drive to increase capacity for hard rock processing
- Commissioning of secondary crusher expected in Q4'16
- Larger grinding media, new SAG mill liners
- On-going metallurgical improvements to elution, carbon management and gravity optimization to reduce gold inventory in circuit

***** Focused on securing additional sources of soft rock:

- Signed agreement to acquire Saramacca; drilling underway
- Drilling saddle zones between existing pits

1 This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for more information.

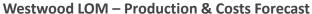


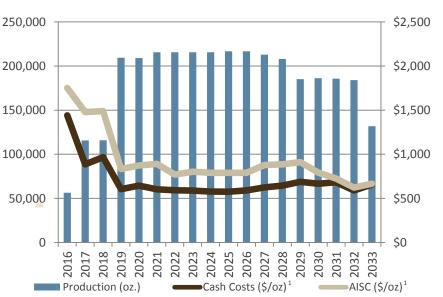
Westwood – Quebec (100%)



Q3 2015	Q3 2016
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Attributable gold production	2,000	16,000
Head grade	6.11	6.47
All-in sustaining costs ^{1,2} (\$/oz)	\$1,751	\$1,391
Total cash costs ^{1,2} (\$/oz)	\$1,438	\$888





Q3 2016 Highlights

- Production from planned mining blocks on schedule
- Underground development work to open up new mining areas progressing on schedule
- All of the five by-pass drifts providing access to the 104 mining block are now open; expect to begin milling in early 2017
- Expect to continue normalization of costs for remainder of 2016

- 1 This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for more information.
- 2 AISC and Cash Costs for Q3'15 and Q3'16 reflect \$15.0M and \$6.3M, respectively, in inventory adjustments to normalize costs.



Westwood Development – Progress Update

	Key Performance Indicators	YTD Target	YTD Actual	Variance
ety	DART Rate*	3.30	0.8	-75%
Safety	TRIR+	8.8	8.0	-9%
	Underground lateral development	16,684	16,899	1%
Development (m)	Underground vertical development	3,080	2,138	-31%
obme	Total development	19,764	19,037	-4%
Develo	Development rate/jumbo	8.1m/day	9.0m/day	11%
_	Cost/lateral development meter (CAD\$/m)	2,356	2,502	6%
	Throughput (000s t)	252.9	257.7	2%
Milling	Grade (g/t)	5.12	6.12	20%
Ξ Σ	Gold produced (oz)	40,000	47,355	18%
	Gold sold (oz)	40,000	50,284	26%
	Cash costs ^{1,2} (\$US/oz)	960	900	-6%
Costs	AISC ^{1,2} (\$US/oz)	1,322	1,146	-13%
O	Mining cost (\$US/t hoisted)	201	196	-2%

Total
development
rate
tracking
close to target

Gold production
& sales have
exceeded
expectations
due to
better grades

⁺ TRIR = Total Recordable Injury Rate.



 $^{{\}tt 1\ This\ is\ a\ non\text{-}GAAP\ measure}.\quad Refer\ to\ the\ non\text{-}GAAP\ performance\ measures\ section\ of\ the\ MD\&A\ for\ more\ information$

 $^{{\}tt 2\ Actual\ AISC\ and\ Cash\ Costs\ for\ Q3'16\ YTD\ reflect\ \$17.0M\ in\ inventory\ adjustments\ to\ normalize\ costs.}$

^{*} DART = Days and Restricted Time Injuries.

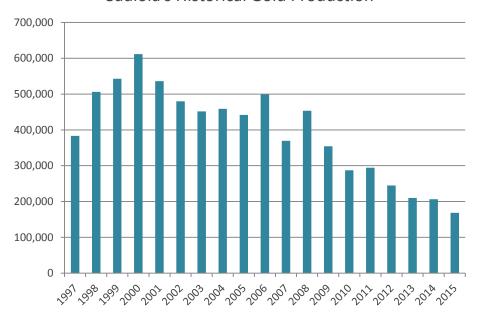
Sadiola- Mali (41%)



Q3 2015	Q3 2016
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Attributable gold production	17,000	17,000
Head grade	1.09	1.11
All-in sustaining costs¹ (\$/oz)	\$695	\$1,057
Total cash costs¹ (\$/oz)	\$661	\$999

Sadiola's Historical Gold Production²



Q3 2016 Highlights

- Attributable production consistent QoQ due to higher grades and lower throughput
- Despite lower fuel, contractor costs and other consumables prices, costs were higher due to the drawdown from a higher proportion of higher grade stockpiles in Q3'16 vs. a higher proportion of marginal ore in Q3'15
- Expect mining to continue into early 2018 and processing oxides into early 2019

² On a 100% basis.



¹ This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for more information.

2016 Production and Cost Guidance

	<u>Previous Guidance</u> ⁴	Revised Guidance ³
Essakane (000s oz.)	365 – 375	365 – 375
Rosebel (000s oz.)	285 – 295	285 – 295
Westwood (000s oz.)	50 – 60	50 – 60
Total owner-operated production (000s oz.)	700 -730	700 -730
Joint ventures (000s oz.)	70	70
Total attributable production (000s oz.)	770 – 800	770 – 800
Total cash costs ¹ – owner-operator (\$/oz.)	\$775 -\$815	\$740-\$770
Total cash costs ^{1,2} (\$/oz.)	\$775 -\$815	\$740-\$770
All-in sustaining costs ¹ – owner-operator (\$/oz.)	\$1,000 - \$1,100	\$1,050 - \$1,100
All-in sustaining costs ^{1,2} (\$/oz.)	\$1,000- \$1,100	\$1,050- \$1,100

⁴The previous outlook is based on 2016 full year assumptions with an average realized gold price of \$1,150 per ounce, Canadian \$/USD exchange rate of 1.25, USD/€ exchange rate of 1.10 and average crude oil price of \$63/barrel.



¹ This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for reconciliation to GAAP.

² Consists of Essakane, Rosebel, Westwood and the JVs on an attributable basis.

³ The revised outlook is based on 2016 full year assumptions with an average realized gold price of \$1,280 per ounce, Canadian \$/USD exchange rate of 1.31, USD/€ exchange rate of 1.12 and average crude oil price of \$45/barrel.

Capex Outlook

\$millions	Sustaining		Non-Sustaining		Total	
	Previous	Revised	Previous	Revised	Previous	Revised
Essakane	85	100	-	-	85	100
Rosebel	50	60	15	15	65	75
Westwood	15	20	65	65	80	85
	150	180	80	80	230	260
Corporate and Development Projects	-	-	10	5	10	5
Total owner-operator	150	180	90	85	240	265
Joint Ventures	5	5	5	5	10	10
Total	155	185	95	90	250 (±10%)	275

¹ Attributable capital expenditures of Sadiola (41%).





Exploration Review

Boto

Location:

Senegal

Ownership:

100%

Highlights:

- · Advancing technical and environmental studies
- Results from the 2016 diamond drill program at Malikoundi deposit indicate extension of mineralization along strike to the north and at depth beyond the current resource model and have confirmed wide zones of high grade mineralization in the footwall
 - Results include*: 84 metres grading 4.12g/t Au, (including 22 metres grading 11.25g/t Au), 32 metres grading 5.19 g/t Au, 12 metres grading 6.39 g/t, and 22 metres grading 4.04 g/t Au
- Next drilling phase expected to begin Q4'16

	Tonnes (000)	Grade (g/t)	Contained Ounces (000 Au)
Measured & Indicated ¹	27,670	1.8	1,563
Inferred¹	2,922	1.3	125



*Reported by IAMGOLD Corp. September 15, 2016 and July 5, 2016

Pitangui

Brazil

Ownership:

Location:

100%

Highlights:

- Currently testing targets that have the potential to expand current mineralization or lead to discovery of new zones
- 9,000 metres of diamond drilling planned for 2016 with 7,450 metres completed Q3 YTD to test targets along strike to the southeast of São Sebastião deposit
- Drilling confirms presence of iron formations similar to those hosting main deposit; could potentially host additional mineralization

	Tonnes (000)	Grade (g/t)	Contained Ounces (000 Au)
Measured & Indicated ¹		1	
Inferred ¹	4,252	5.0	679



¹See mineral reserve and resource estimates with associated notes in appendix



Diakha-Siribaya

Location:

Mali

Ownership:

50:50 JV with Merrex Gold

Highlights:

- Multiple zones of mineralization and deposit open in all directions
- Currently focused on increasing confidence of the Diakha resource and extending deposit at depth below current resource pit shell; drilling to recommence Q1'17
- Assay results confirm presence of mineralization in northern extension area
 - Results include*: 19 metres grading 9.28g/t
 Au, 18 metres grading 6.73g/t Au at Diakha,
 70 metres grading 1.55g/t Au (including 12.0 metres grading 2.79g/t Au) at the northern extension

	Tonnes (000)	Grade (g/t)	Contained Ounces (000 Au)
Measured & Indicated ^{1,2}	2,102	1.9	129
Inferred ^{1.2}	19,816	1.7	1,092



* Reported by Merrex Gold August 30, 2016 and July 6, 2016

Eastern Borosi

Location: Nicaragua

Ownership: Option Agreement with Calibre Mining

Highlights:

- Focused on expanding multiple gold and silver vein systems
- 5,500 metre diamond drilling program planned for 2016 with 7,200 metres completed Q3 YTD
- Targeting parallel-tending Guapinol and Vancouver veins and the Blag vein system
- Assay results from new zone:
 - > <u>East Dome target, including*</u>: 16.5 metres grading 2.27g/t Au and 127.9g/t Ag
 - Veta Loca target*: 6.3 metres grading 10.15g/t Au and 6.9g/t Ag



*Reported by Calibre Mining September 15, 2016

Monster Lake

Location:

Quebec

Ownership:

Earn-in option with TomaGold

Highlights:

- High-grade 325-Megane Zone extends at depth
- Testing targets north and south of the main 325-Megane
 Zone with 8,100 metres of drilling Q3 YTD
- Final drill results from 2016 winter program announced in June 2016
 - Results include*: 1.2 metres grading 20.16g/t Au, 0.7 meters grading 9.01g/t Au and 5.5 metres grading 2.68g/t Au, including 0.5 meters grading 13.20g/t Au
- Currently completing geological and structural mapping and selected geochemical and geophysical surveys in advance of follow-up drill program expected to commence Q1'17



*Reported by IAMGOLD Corp. June 15, 2016

Nelligan

Quebec

Ownership:

Location:

Earn-in option with Vanstar Mining

Highlights:

- Under earn-in option to JV agreement (Nov 2014);
 IAMGOLD can earn up to an initial 50% interest
- Results from 2016 winter diamond drilling program confirm presence of several new mineralized gold-bearing structures
 - Results include*: 35.8 metres grading 1.90g/t Au, including 18.0 metres grading 3.20g/t Au; 23 metres grading 1.23g/t Au and 10.3 metres grading 4.43g/t Au and 27.3 metres grading 1.30g/t Au
- Orientation soil sampling and geological compilation and interpretation of drill results in preparation for future drill programs completed in Q3'16



*Reported by Vanstar Mining April 5, 2016 and June 30, 2016



Appendices

Mineral Reserves and Resources

Contained Gold (000s attributable oz.) As of December 31, 2015	2015	Change	2014
Total proven and probable mineral reserves	7,690	(11%)	8,608
Total measured and indicated mineral resources 2,3	23,482	10%	21,412
Total inferred resources	6,733	(4%)	7,018

- Gold reserves have been estimated at our owned and operated mines using a gold price of \$1,200 per ounce in 2015.
- Resources for our owned and operated mines have been estimated using a gold price of \$1,500 per ounce in 2015.

In mining operations, measured and indicated resources that are not mineral reserves are considered uneconomic at the price used for reserves estimations, but are deemed to have a reasonable prospect of economic extraction.



¹ Detail behind the gold price assumptions used to determine reserves and resources can be found in the Reserves and Resources section of the MD&A.

Measured and indicated gold resources are inclusive of proven and probable reserves.

Technical Information and Qualified Person/Quality Control Notes

The mineral resource estimates contained in this presentation 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 and review of all resource and reserve estimates for IAMGOLD is Lise Chenard, Eng., Director, Mining Geology. Lise has worked in the mining industry for more than 30 years, mainly in operations, project development and consulting. She joined IAMGOLD in April 2013 and acquired her knowledge of the Company's operations and projects through site visits, information reviews and ongoing communication and oversight of mine site technical service teams or consultants responsible for resource and reserve modeling and estimation. She is considered a "Qualified Person" for the purposes of NI 43-101 with respect to the mineralization being reported on. The technical information has been included herein with the consent and prior review of the above noted Qualified Person. The Qualified person has verified the data disclosed, and data underlying the information or opinions contained herein.

The technical information for Sadiola contained in this presentation has 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 and review of all technical information for IAMGOLD is Philippe Gaulthier, BSc. Mechanical Engineering and MASc Mechanical Engineering, the Director Development Projects for IAMGOLD. Philippe has worked as mechanical engineer for 28 years, mainly in mining and project development. He joined IAMGOLD in 2008 and acquired his knowledge of Sadiola through his work on the Infrastructure and Plant Engineering for an internal feasibility report in 2010, his work to update the documentation and engineering subsequent to that report and his most recent site visit on August 28, 2015. He is considered a "Qualified Person" for the purposes of NI 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 Qualified person has read and verified the data disclosed, and data underlying the information or opinions contained herein.

Drilling results in this presentation have been prepared in accordance with National Instrument 43-101 Standards of Disclosure for Mineral Projects. The sampling of, and assay data from, drill core is monitored through the implementation of a quality assurance - quality control (QA-QC) program designed to follow industry best practice. The "Qualified Person" responsible for the supervision of the preparation, verification, and review of these results is Craig MacDougall, P.Geo., Senior Vice President, Exploration for IAMGOLD. Mr. MacDougall is a Qualified Person as defined by National Instrument 43-101.





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