

BRAZIL'S PREMIUM 50KM GOLD-COPPER VMS BELT

- Developing the giant Cabaçal VMS deposit
- Market leading PEA metrics
- Near term Hub & Spoke development strategy





This presentation does not constitute or form a part of, and should not be construed as an offer, solicitation or invitation to subscribe for, underwrite or otherwise acquire, any securities of Meridian Mining UK Societas (“Meridian”), nor shall it or any part of it form the basis of or be relied on in connection with any contract or commitment whatsoever.

Readers are directed to the public disclosure of Meridian available under Meridian’s profile on the System for Electronic Document Analysis and Retrieval (“SEDAR”) at www.sedar.com. Information contained in this presentation was believed to be accurate at the time it was posted, but may be superseded by more recent public disclosure of Meridian. Meridian makes no representations or warranties as to the accuracy, reliability, completeness or timeliness of the information in this presentation.

Some of the statements contained in this presentation may be forward-looking statements or forward-looking information within the meaning of applicable securities laws (collectively, “forward-looking statements”). All statements herein, other than statements of historical fact, are forward-looking statements. Although Meridian believes that such statements are reasonable, it can give no assurance that such expectations will prove to be correct. Forward-looking statements are typically identified by words such as: believe, expect, anticipate, intend, estimate, postulate, and similar expressions, or are those, which, by their nature, refer to future events. Meridian cautions investors that any forward-looking statements are not guarantees of future results or performance, and that actual results may differ materially from those in forward-looking statements as a result of various factors, including, but not limited to: the preliminary nature of the 2023 Cabaçal PEA and the Company’s ability to realize the results of the 2023 Cabaçal PEA; capital and other costs varying significantly from estimates; changes in world metal markets; changes in equity markets; that the political environment in which the Company operates will continue to support the development and operation of mining projects; the threat associated with outbreaks of viruses and infectious diseases, including the novel COVID-19 virus; risks related to negative publicity with respect to the Company or the mining industry in general; planned drill programs and results varying from expectations; delays in obtaining results; equipment failure; unexpected geological conditions; local community relations; dealings with non-governmental organizations; delays in operations due to permit grants; environmental and safety risks; and other risks and uncertainties disclosed under the heading “Risk Factors” in Meridian’s most recent Annual Information Form filed on www.sedar.com. 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, Meridian does not assume the obligation to revise or update forward-looking statements or information that may be contained in this presentation or to revise them to reflect the occurrence of future unanticipated events.

The Cabaçal Gold-Copper Project NI 43-101 Technical Report and Preliminary Economic Assessment, Mato Grosso, Brazil, and dated March 30, 2023 (with an effective date of March 1, 2023) (the “2023 Cabaçal PEA”) was prepared for the Meridian by Tommaso Roberto Raponi, P. Eng., of Ausenco Engineering Canada Inc., Scott Eifen, P. Eng., of Ausenco Engineering Canada Inc., Simon Tear, P. Geo., of H&S Consultants Pty Ltd, Marcelo Batelochi, MAusIMM (CP Geo), of MB Geologia Ltda. Joseph Keane, P. Eng., of SGS North America Inc. and Guilherme Gomides Ferreira (Mine Engineer MAIG), of GE21 Consultoria Mineral. All authors of the 2023 Cabaçal PEA are independent “qualified persons” as defined by NI 43-101. The 2023 Cabaçal PEA may be found on the Company’s website at www.meridianmining.co or under the Company’s profile on SEDAR at www.sedar.com. Readers are encouraged to read the entire 2023 Cabaçal PEA.

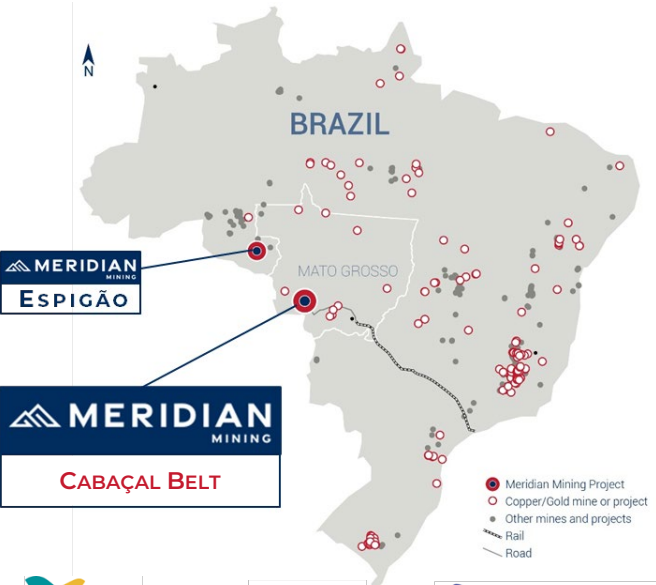
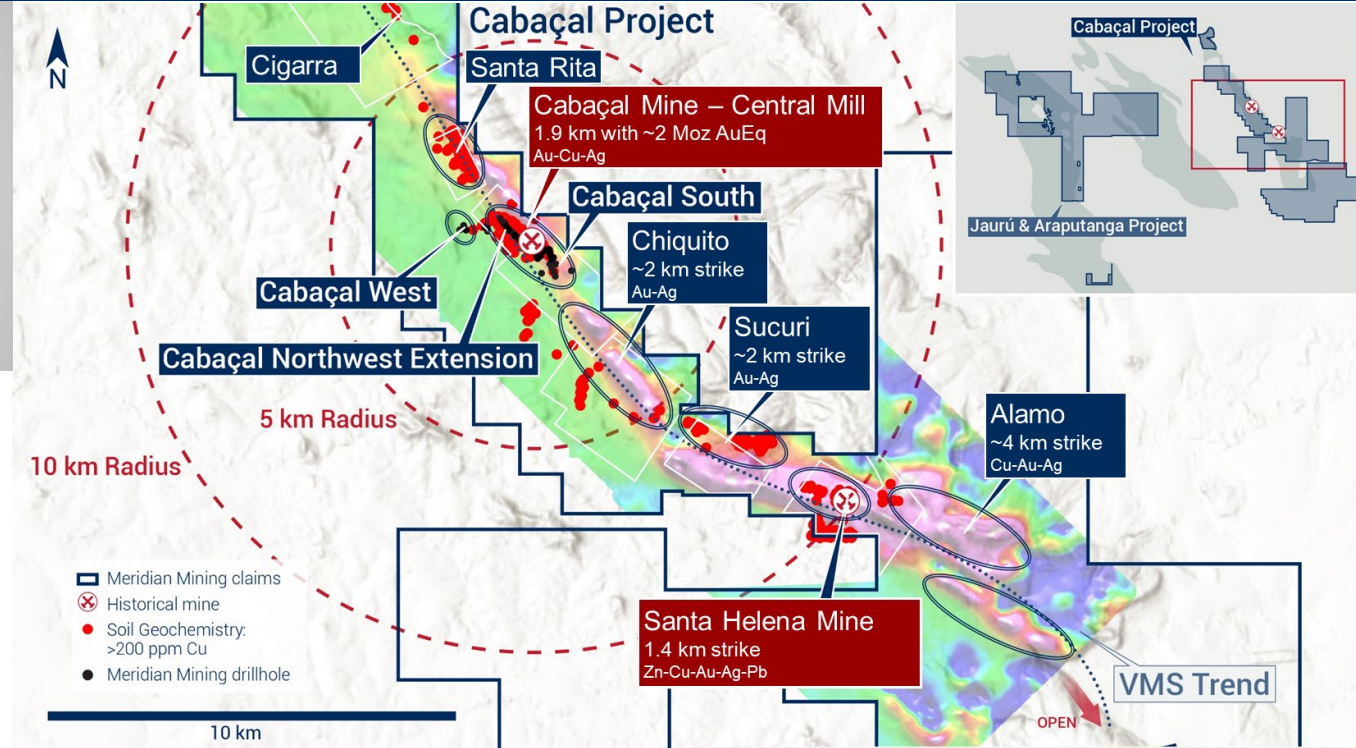
Readers are cautioned that the 2023 Cabaçal PEA is preliminary in nature and is intended to provide an initial assessment of the Cabaçal’s economic potential and development options. The 2023 Cabaçal PEA mine schedule and economic assessment includes numerous assumptions and is based on inferred mineral resources. Inferred resources are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves, and there is no certainty that the 2023 Cabaçal PEA results will be realized. Mineral resources are not mineral reserves and do not have demonstrated economic viability. Additional exploration will be required to potentially upgrade the classification of the inferred mineral resources to be considered in future advanced studies.

Mr. Erich Marques, B.Sc., MAIG, Chief Geologist of Meridian Mining and a Qualified Person as defined by National Instrument 43-101, has reviewed, and verified the technical information in this presentation.



BELT SCALE EXPLORATION

- GIANT CABAÇAL DEPOSIT DEFINED
- >50KM UPSIDE POTENTIAL
- MULTIPLE VMS PROSPECTS
- HUB & SPOKE DEVELOPMENT STRATEGY



MERIDIAN
MINING
CABAÇAL BELT

CABAÇAL MINE

- NPV₅ - USD 573 M
- IRR - 58.4%
- PAYBACK – 10.6 MONTHS
- LOW CAPEX – USD 180 M
- LOM REVENUE - USD 2.9 B

SANTA HELENA

- 2ND HIGH-GRADE OPEN PIT
- EXPLORATION TARGET - 3.2-7.3 MT @ 3.0–3.2 g/t AuEq²
- HOSTED WITHIN ONLY 1.4KM OF ~3KM PROSPECT

¹ See Meridian NI-43-101 2nd June 2022
² See Information on Slide 22

VMS Belts have a history of Low Capex – High Returns – Intergeneration Production

VMS Clusters - Hub & Spoke Strategy

- VMS deposits occur in Clusters & tend to form ~4km spacings
- Deposit clusters ideal for Hub & Spoke development strategy

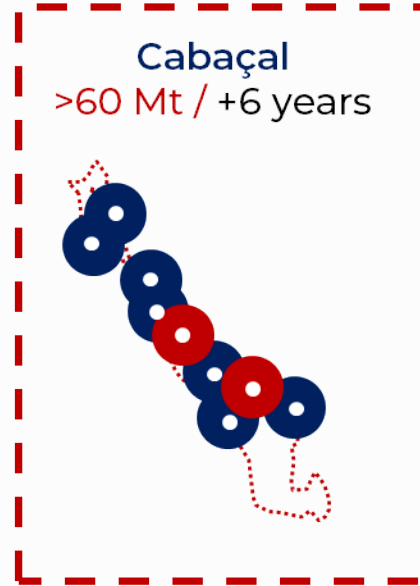
Giant Scale VMS

- Cabaçal Mine – “Giant” (>30 Mt) VMS Deposit on Standalone Basis
- Top 4% Global VMS Deposits by Tonnage
- Cabaçal VMS Belt underexplored and under-developed compared to analogue camps

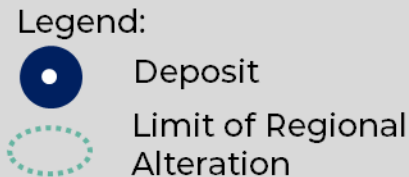
Intergenerational Production

- Many large VMS Deposits have over 50 year production history
- Cabaçal - 6 years past production & 22 year projected LOM (PEA)³

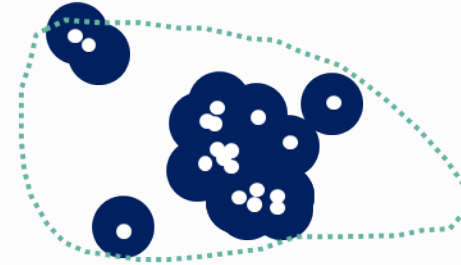
Notes: ¹ See Meridian Announcements
² Source: Akita University, Galley et al. (2007); Mercier-Langevin et al. (2007) S&P Global, Hudbay 2020
³ See News Release 6th March 2023



25 km



Noranda
 262 Mt / +55 years



Snow Lake
 56 Mt / +65 years



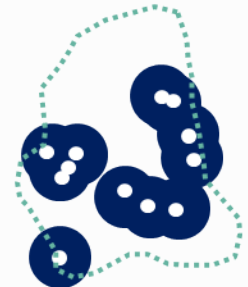
Flin Flon
 108 Mt / +90 years



Doyon-Bousquet-La Rond
 133 Mt / +90 years



Hokuroku
 122 Mt / +100 years





Our Directors



BRUCE MCLEOD
Independent Chair
+30 years experience



GILBERT CLARK
CEO & Director
+25 years experience



ADRIAN MCARTHUR
President & Director
+25 years experience



JOHN SKINNER
Independent Director
+35 years experience



SUSANNE SESSELMANN
Independent Director
+30 years experience



DOUG FORD
Independent Director
+35 years experience



NEIL GREGSON
Independent Director
+30 years experience

Our Management



GILBERT CLARK
CEO & Director
+25 years experience



ADRIAN MCARTHUR
President & Director
+25 years experience



MARTIN MCFARLANE
SVP – Strategy and Projects
+30 years experience



SORAIA MORAIS
Chief Financial Officer
+15 years experience



JAMES MCLUCAS
Corp. Development
+15 years experience



MARIANA BERMUDEZ
Company Secretary
+15 years experience



KATHERINE MACLEAN
Sustainability & Comms
+15 years experience

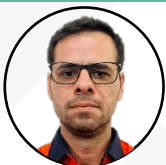
Our Brazilian Based Management



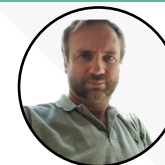
JOEL BRANDAO
Director of Brazil
+40 years experience



VITOR BELO
Mining Consultant
+30 years experience



ERICH MARQUES
Chief Geologist
+15 years experience



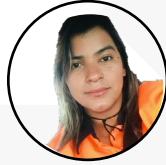
FRED VANDEROOST
Geology Manager
+25 years experience



ANTONIO ALMEIDA
Senior geologist
+40 years experience



MARCELO AMORIM
Project Dev. Manager
+15 years experience



BARBARA SOUZA
Enviro. Engineer
+10 years experience



RODRIGO SALVI
Inhouse Counsel
+10 years experience



Corporate Structure¹

Shares Outstanding	242.6 m
Compensation Warrants	2.2 m (CAD 0.35-0.50)
Options	21.6 m (CAD 0.07-1.10)
Fully Diluted	266.3 m
Share Price	CAD 0.34 (1 March 2024)
Market Capitalization	CAD 82.5 m
Cash ²	CAD 15.1 m

Meridian Mining UK S



Analyst Coverage

Beacon Securities	Mike Curran
Cormark Securities	Stefan Ioannou
Raymond James	Craig Stanley

Notes: ¹ Corporate Structure as of 28th November 2023 unless otherwise stated. ² Cash Balance as of 30th September 2023 & includes ~USD 1.0m in Escrow per purchase agreement. 10th November 2023 – Financial Reports Cash Balance & Exchange Rate 1.389 (Source - Bank of Canada)



PEA demonstrates exceptional potential economics from open-pit mining operation

		Copper Price											
		Downside 3.50		Base 3.59		4.00		Spot 4.13		4.50		Upside 5.00	
		NPV	IRR	NPV	IRR	NPV	IRR	NPV	IRR	NPV	IRR	NPV	IRR
Gold Price	1,550	\$510 m	53.5%	\$523 m	54.2%	\$582 m	57.0%	\$600 m	57.9%	\$654 m	60.3%	\$726 m	63.5%
	Base 1,650	\$560 m	57.8%	\$573 m	58.4%	\$632 m	61.1%	\$650 m	62.0%	\$704 m	64.4%	\$776 m	67.4%
	1,750	\$609 m	62.0%	\$622 m	62.6%	\$681 m	65.2%	\$700 m	66.0%	\$753 m	68.3%	\$825 m	71.3%
	Spot 1,841	\$655 m	65.7%	\$668 m	66.3%	\$727 m	68.9%	\$745 m	69.7%	\$799 m	71.9%	\$871 m	74.8%
	1,850	\$659 m	66.1%	\$672 m	66.7%	\$731 m	69.2%	\$750 m	70.0%	\$803 m	72.2%	\$875 m	75.1%
	Upside 1,950	\$709 m	70.1%	\$722 m	70.7%	\$781 m	73.1%	\$799 m	73.9%	\$853 m	76.0%	\$925 m	78.9%

**Low Initial
Capex**

USD 180 M

**Throughput
Rate**

2.5 Mtpa

Quick

Payback

10.6 months

**Low Sustaining
Capex**

USD 108 M

**Ave. Y1-5
Production**

131 koz AuEq

LOM

Revenue

USD 2.9 Bn

**Low AISC
(Y1-5)**

USD 671 / oz

**Total
Production**

1.8 Moz AuEq

PFS

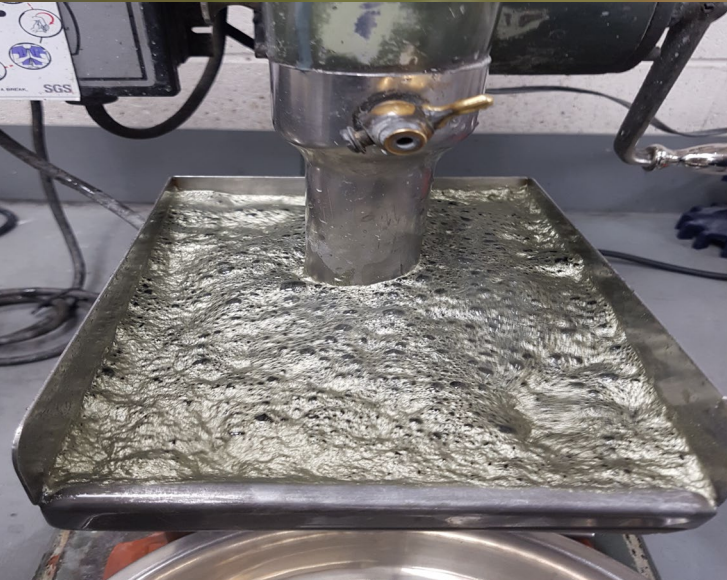
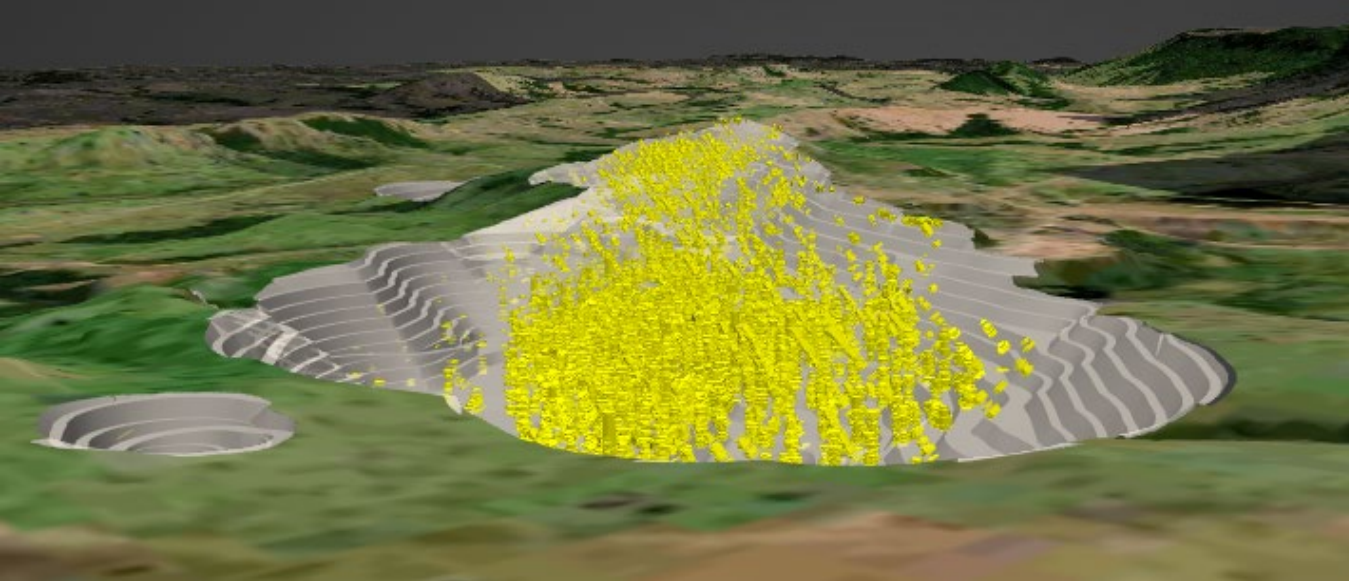
Initiated

Target 2024



	<h3>Tucumã</h3>	<ul style="list-style-type: none"> • 85% Physical Completion • Capex USD 310m vs USD 305m • Targeting Completion H2 2024
	<h3>Tocantinzinho</h3>	<ul style="list-style-type: none"> • 76% Complete • On time and Budget • Targeting Completion H2 2024
	<h3>Mara Rosa</h3>	<ul style="list-style-type: none"> • First Gold Pour Completed • On time and Budget • Targeting Completion Q2 2024
	<h3>Almas</h3>	<ul style="list-style-type: none"> • Project Complete • On time and Budget • Targeting Expansion 15% production

Notes:
 1 Photo Tocantinzinho
 1 See News Release 6th March 2023



PEA superior economics, driven by:

- High-grade starter pit & low Strip Ratio
- Simple processing & high metallurgical recoveries
- Sustainable low-cost hydroelectric power
- Brazil's low-cost operating environment

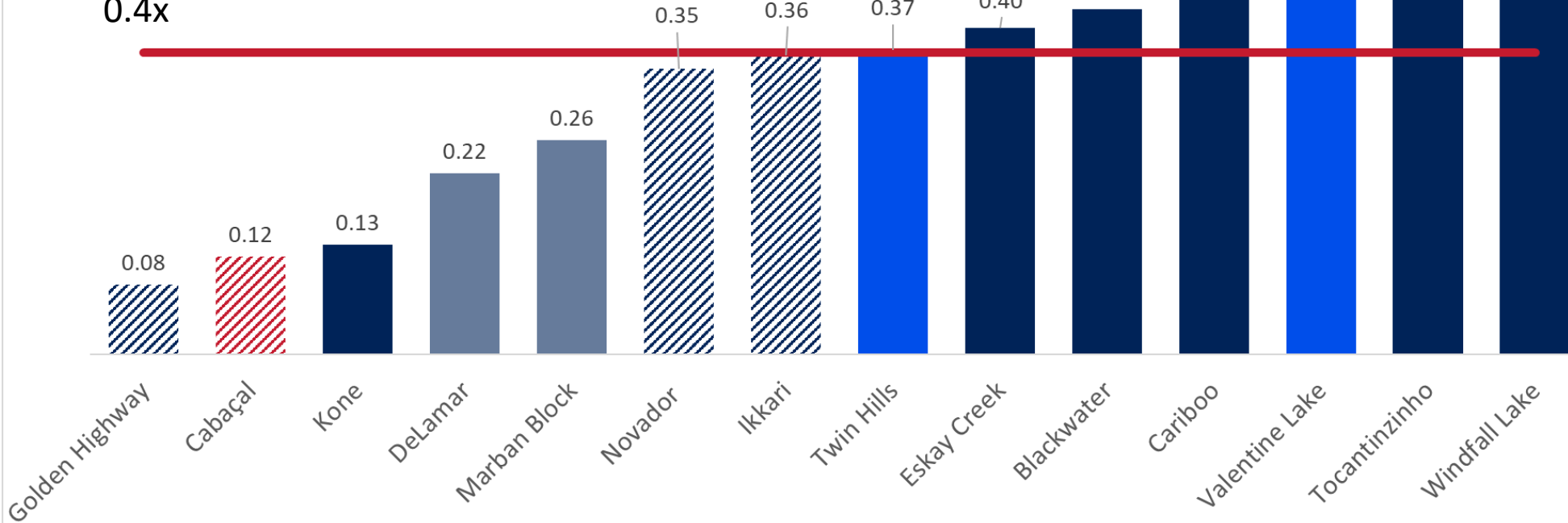


Development Project – Asset Basis - P/NAV (x)



**VALUE CREATION
THROUGH CERTAINTY
OF EXECUTION &
NEAR TERM
PRODUCTION**

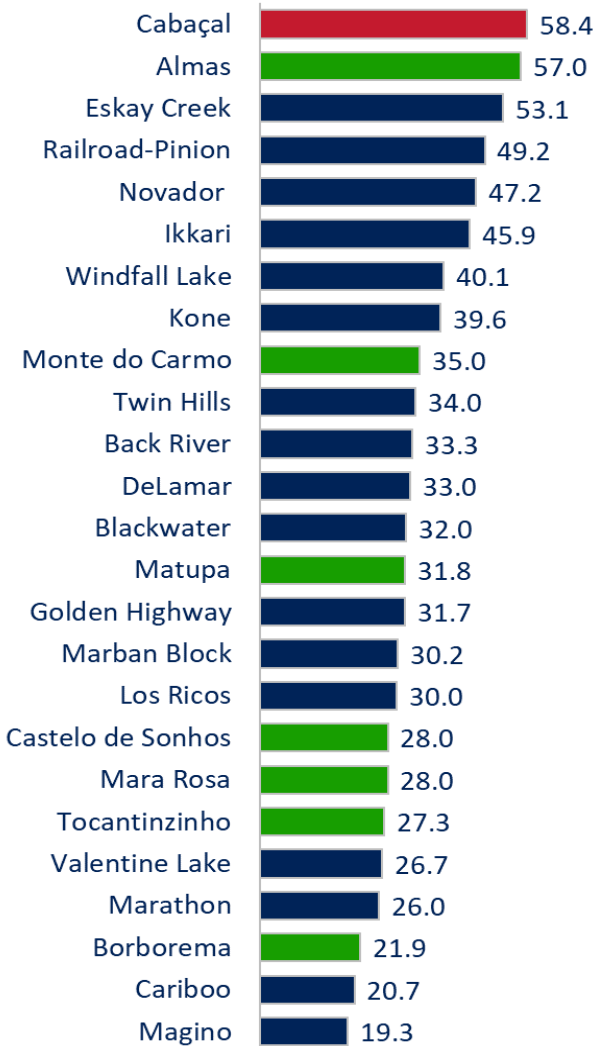
Average P/NAV
0.4x



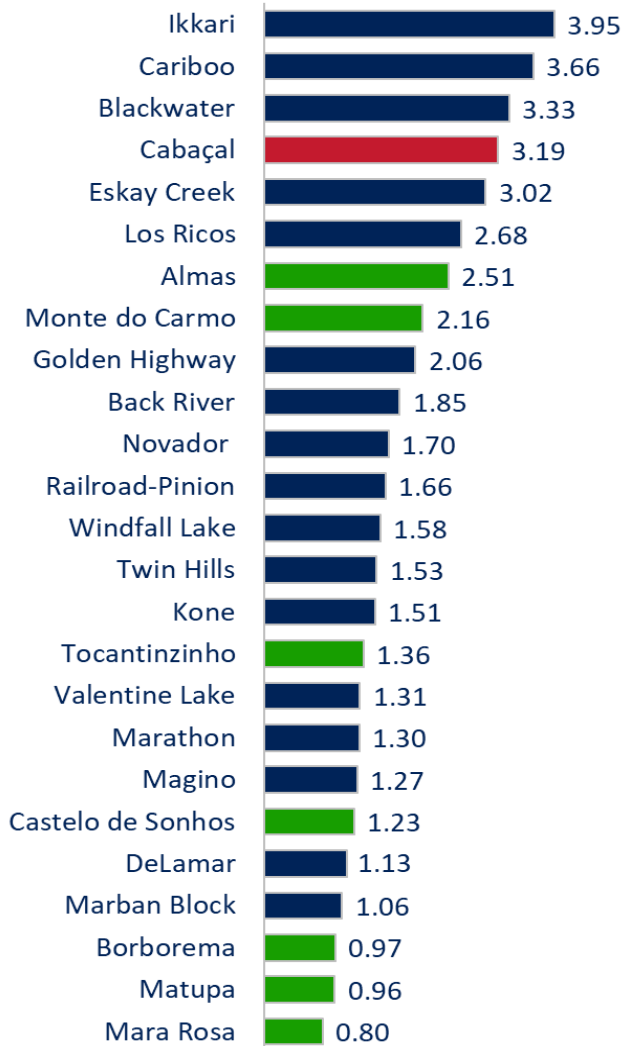
Notes:
 1 See News Release 6th March 2023
 2 Source CIBC Data, Market Data / Company Data – 27th December 2023



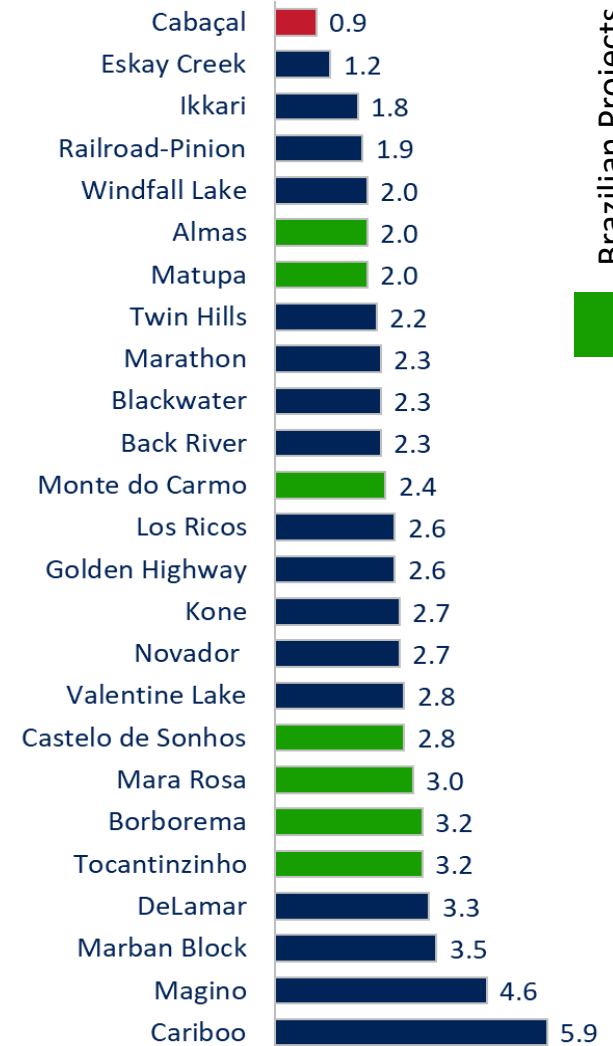
After-Tax Unlevered IRR (%)



After-Tax NPV₅ / Initial Capex (USDm)



Payback Period (Years)



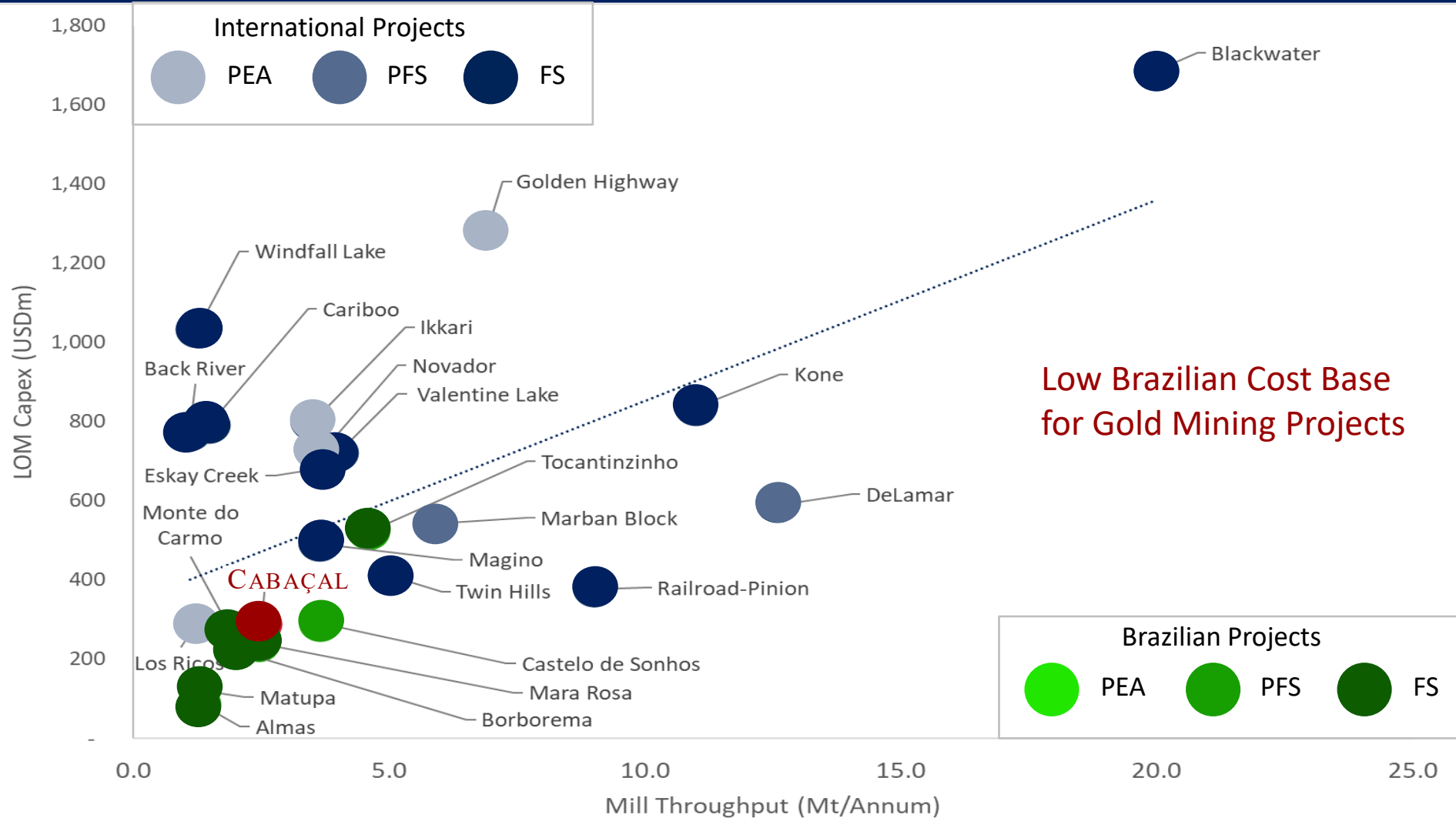
Brazilian Projects



Notes:
¹ See News Release 6th March 2023
² Source CIBC Data, Market Data / Company Data – 27th December 2023



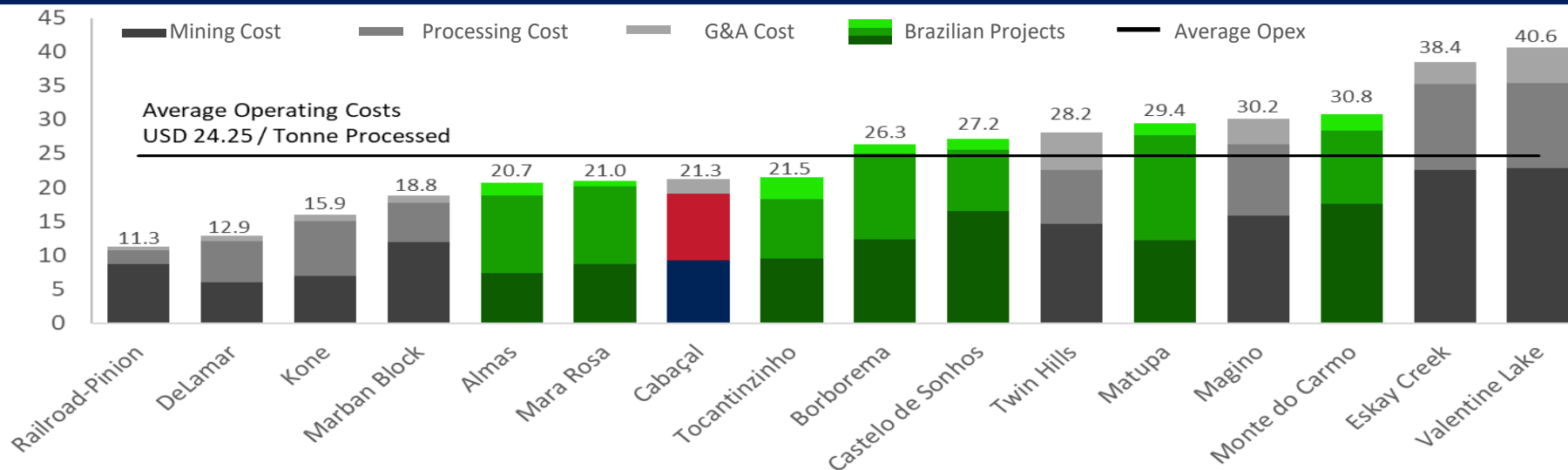
LOM Capex / Mill Throughput (USDm / Milled Tonne / Annum)



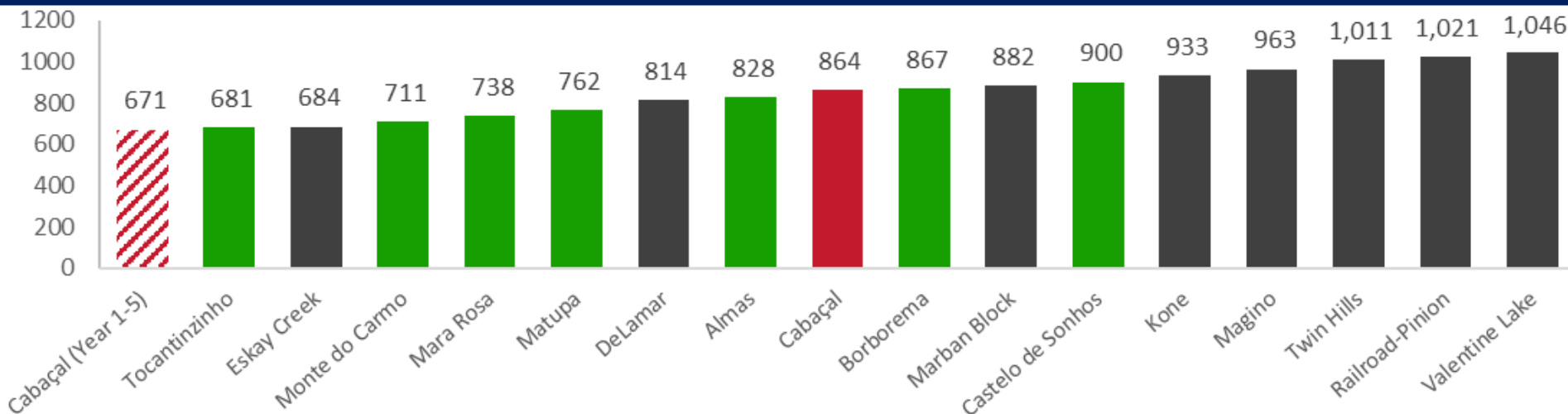
Notes:
 1 See News Release 6th March 2023
 2 Source CIBC Data, Market Data / Company Data – 27th December 2023



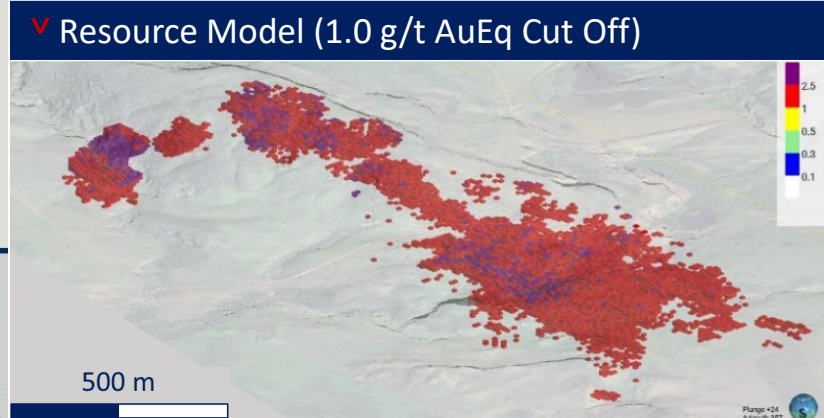
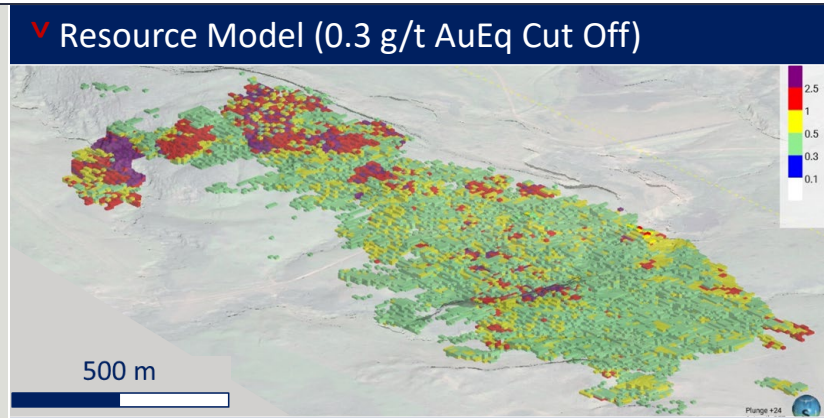
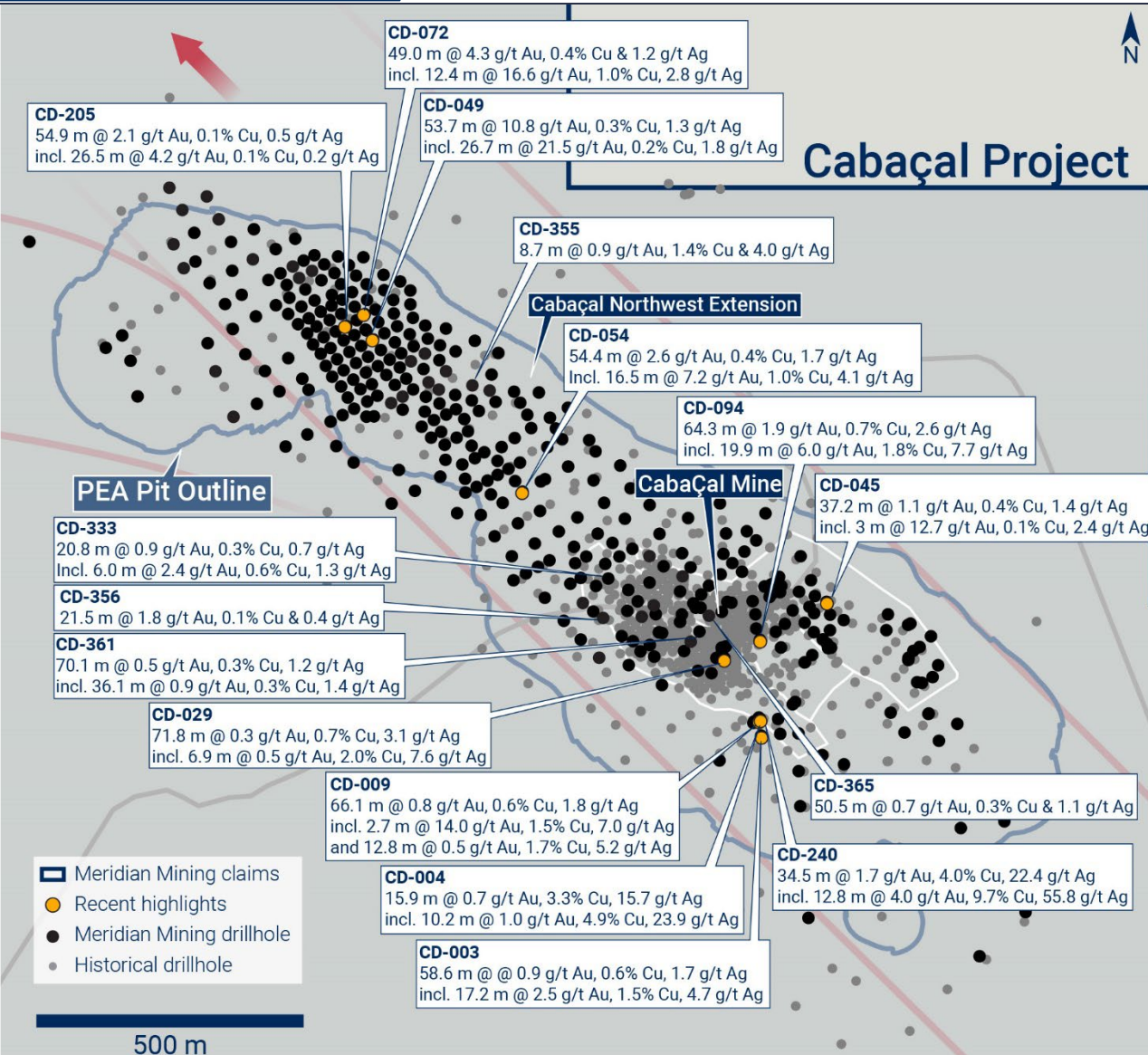
Operating Costs (USD / Tonne Milled)



All-In-Sustaining-Cost (USD / Ounce)



Notes:
 1 See News Release 6th March 2023
 2 Source CIBC Data, Market Data / Company Data – 27th December 2023

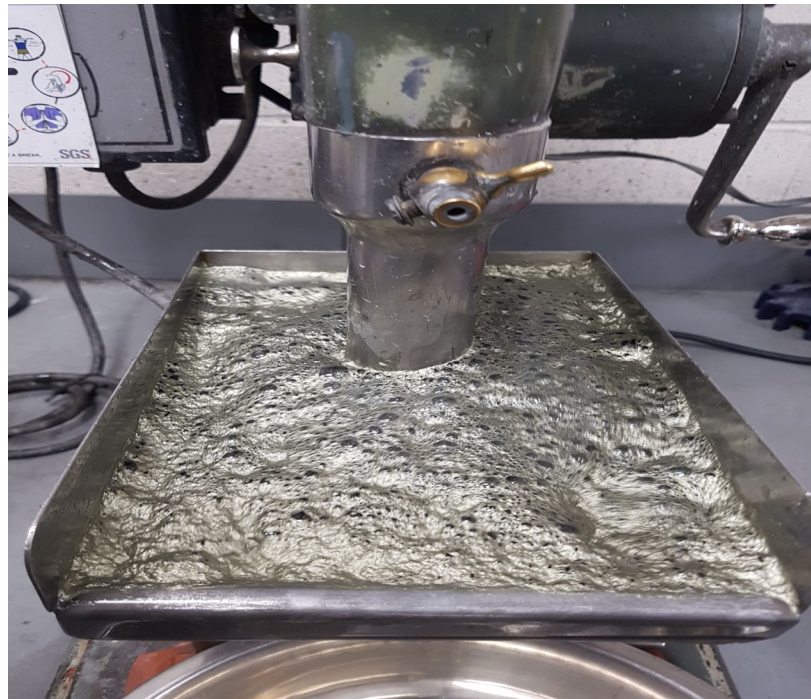
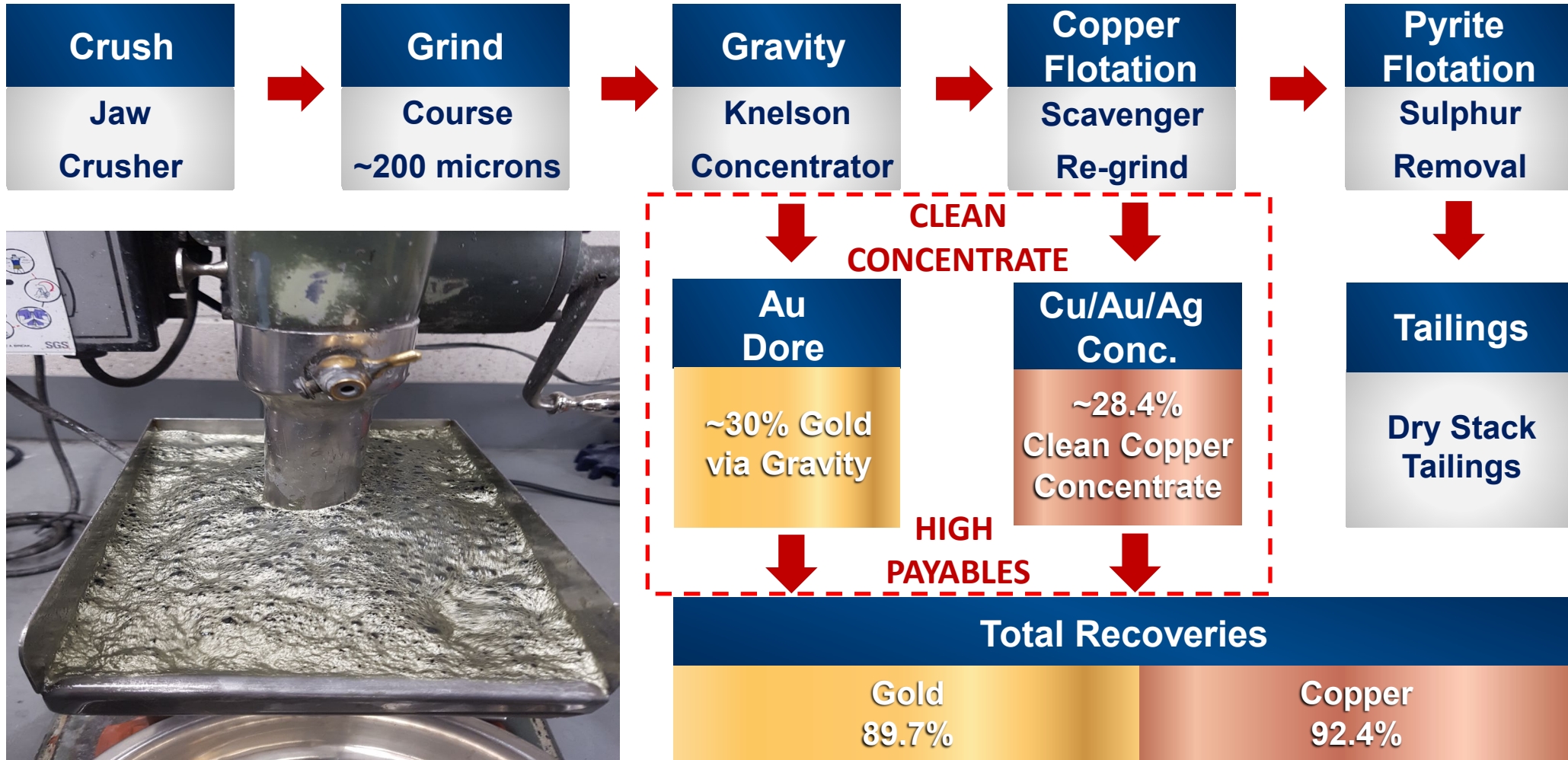


Cabaçal Mineral Resource

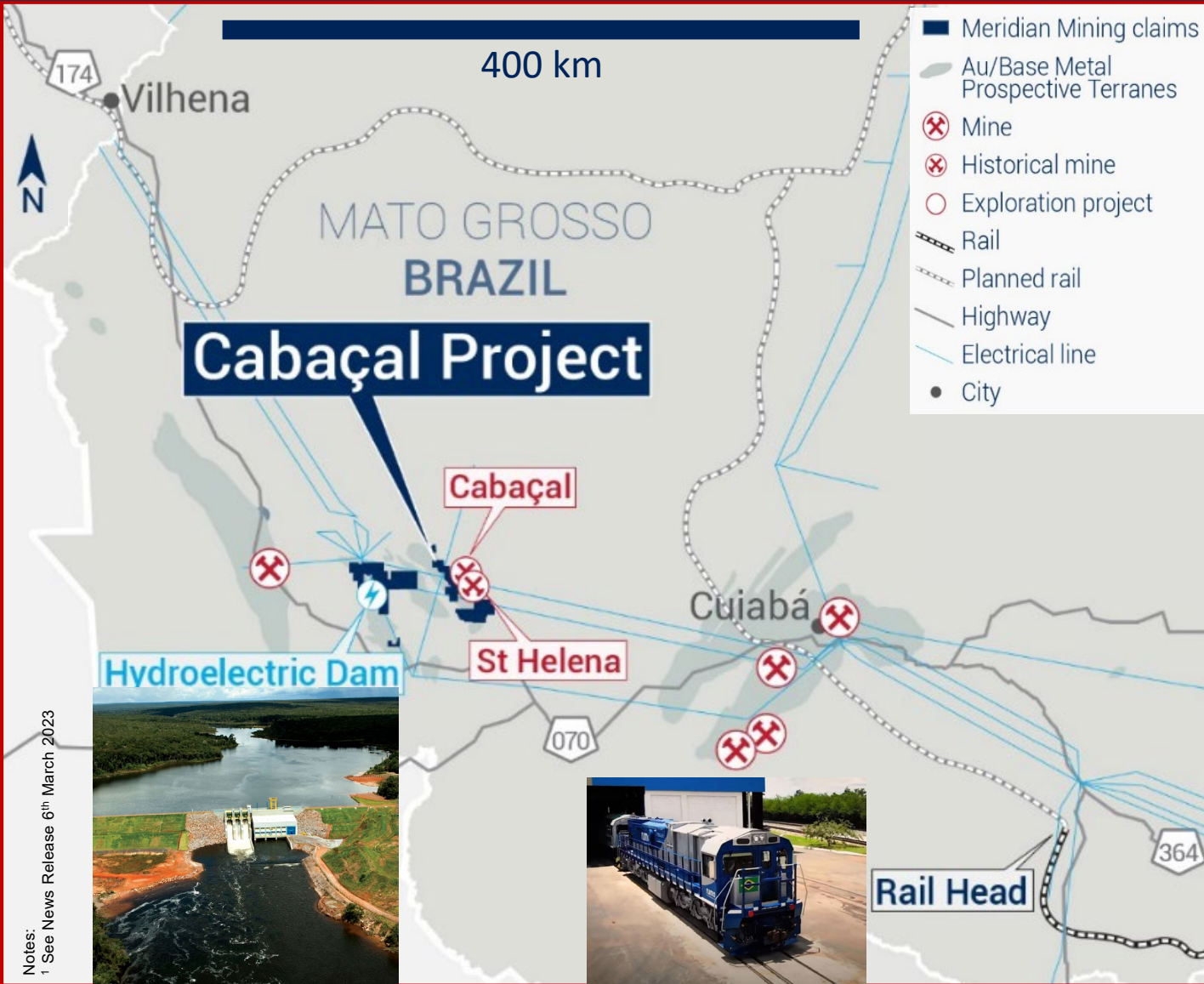
Cat.	Tonne (Mt)	Au (g/t)	Cu (%)	Ag (g/t)	AuEq (g/t)	AuEq (Moz)
Ind.	52.9	0.64	0.32	1.4	1.05	1.8
Inf.	10.3	0.68	0.24	1.1	0.96	0.3



Simple process flowsheet with high recoveries & payables



Notes: See News Release 6th March 2023



Power:

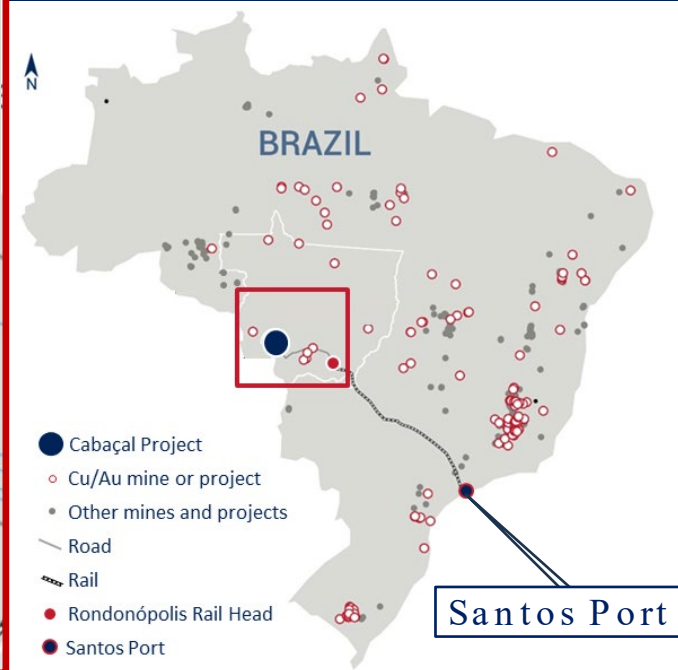
- Expanding 20km line from Araputanga

Rail Head:

- 385km Highway to Rondonópolis
- Direct to major Santos Port

Bridges:

- Existing concrete bridges
- 1 x Bridge Upgrade required



Notes:
1 See News Release 6th March 2023



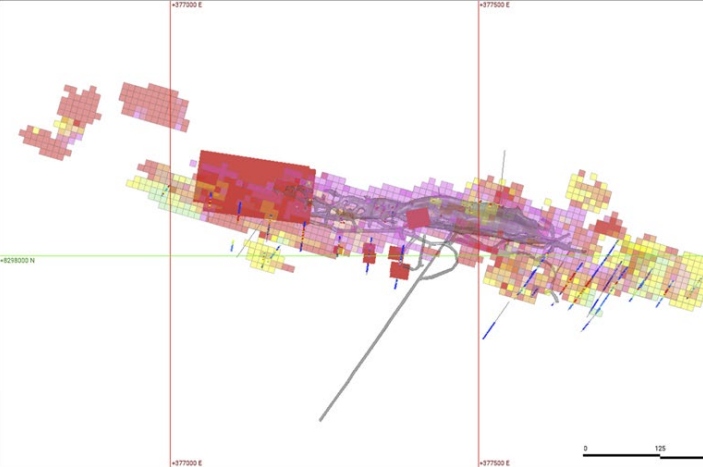
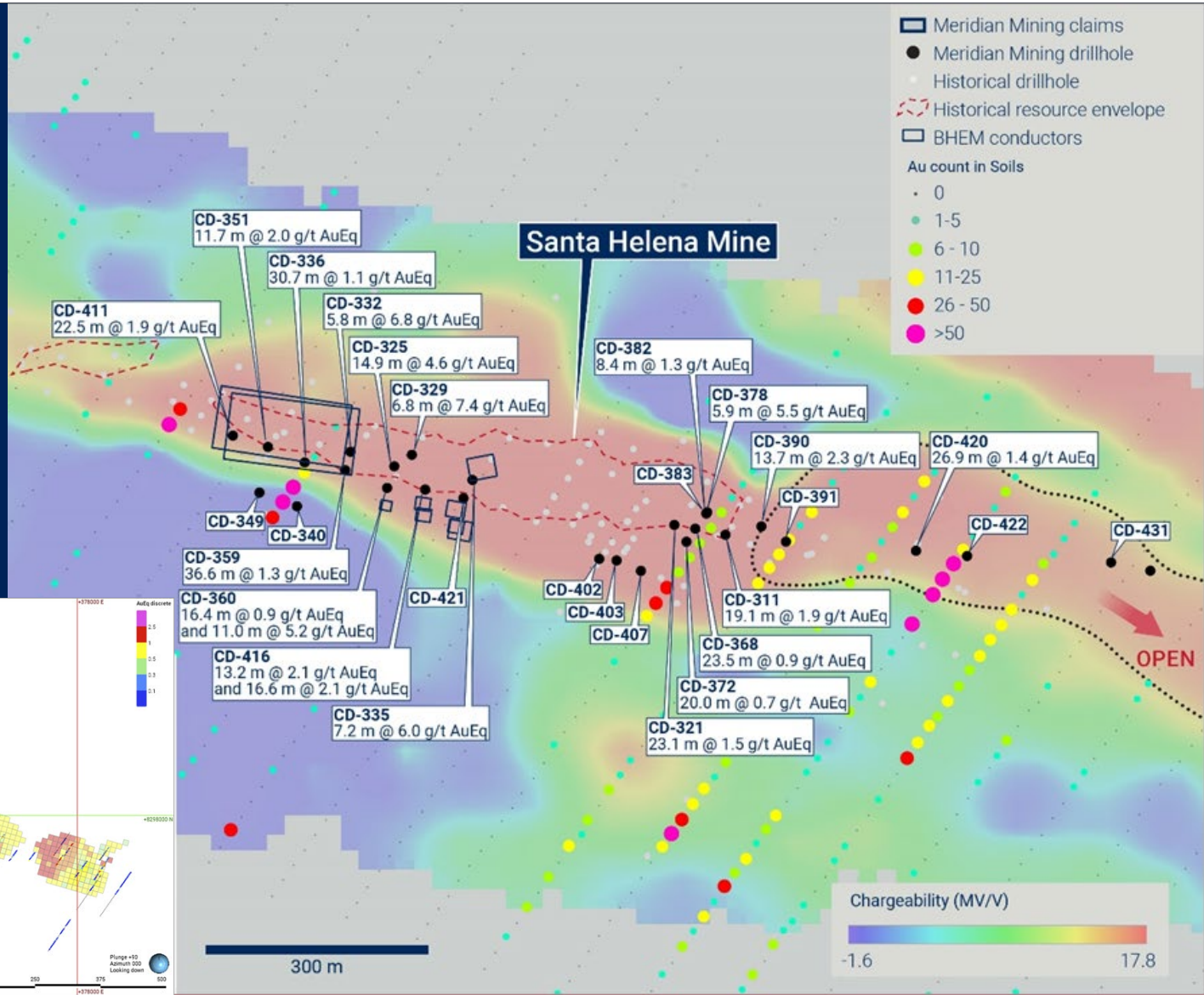
High-grade Cu-Au-Ag-Zn massive sulphide intercepted

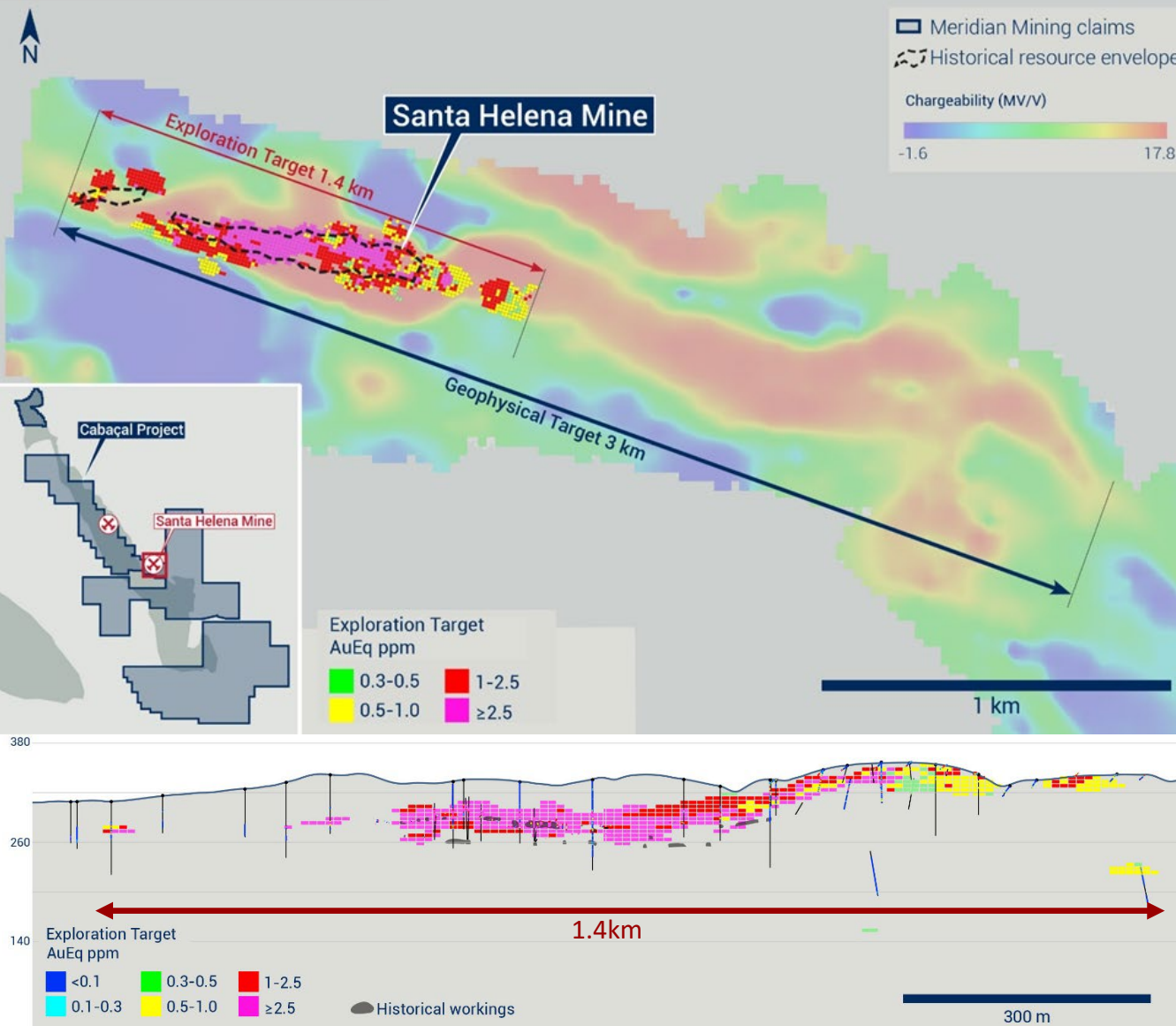
Multiple new EM plates extending out from Santa Helena Mine

Untested targets for further Cu-Zn-Au-Ag zones

1.6km open exploration target extending to the East

New polymetallic VMS lens discovered





Initial Exploration Target
3.2 - 7.3 MT @ 3.0 – 3.2 g/t AuEq*

Exploration Target contained within only 1.4km of the ~3km prospective trend

Potential high-grade metal inventory range of between 306,000 to 763,000 AuEq ounces

*The potential quantity and grade of an Exploration Target is conceptual in nature. There has been insufficient exploration to define a mineral resource, and it is uncertain if further exploration will result in the target being delineated as a mineral resource. The metal equivalence formula is based on the historical Santa Helena resource report, calculated as AuEq based on gold being the dominant metal of the Cabaçal VMS camp, as the expectation is that Santa Helena's mineralization will be evaluated for processing through a centralized facility at the Cabaçal mill with the addition of a zinc circuit.

Notes:
¹ See News Releases for further details



HISTORIC PRODUCTION:

- 439,813t @ 6.6% Zn, 1.6% Cu, 1.8 g/t Au, and 43.0g/t Ag
- Existing Mining License Granted
- Mine Operated 2006-2008
- High Quality Historic Concentrate Grades

HISTORICAL RECOVERY:

- Simple Flotation recovery
- Metallurgical Recovery Assumptions
- 89% Zn, 89% Cu, 65% Au, 61% Ag; Au price
- No Gravity Gold Circuit included

POTENTIAL FOR OPEN PIT:

- 10km Trucking distance to Cabaçal



Previous Flotation Plant (Production 2006-2008)

Separate of Zinc and Copper Concentrates
Gold and Silver report to Copper Concentrate

Notes:

¹ See News Releases for further details



CABAÇAL

PFS & Resource Update leading to Higher Project Certainty
Evaluating potential increase throughput rate up to ~4.5 mtpa
Low strip open pit mine – Simple process flowsheet –
Green Hydroelectricity
PEA - NPV₅ USD 573M & IRR 58.4% - Low Capital Cost USD 180M

**SANTA
HELENA**

Potential 2nd open pit for Hub & Spoke strategy
Exploration Target shows potential for high-grade project

**BELT
SCALE**

Mine corridor exploration upside in 50km belt
Advancing regional target - Sucuri & Alamo Cu/Au



APPENDIX



Cabaçal History
BP Minerals

Discovery
1980-1984

Development
1984-1986

Production
1986-1991

Rio Tinto
Acquisition
1989-2005



AFONSO FIGUEIREDO
Geologist
+ 50 years experience



ROCKY OSBORNE
Geologist
+ 40 years experience



GILSON TEIXEIRA
Geologist
+ 40 years experience



JOHN WAGHORN
Geologist
+ 50 years experience

Industry leading expertise in metallurgy and base metals concentrates



Capital Markets Expertise



PHILLIP MACKAY
Metallurgist
+ 50 years experience



MIKE OUNPUU
Geological Engineer
+ 40 years experience



TOMMY HUMPHREYS
Capital Markets
+ 15 years experience



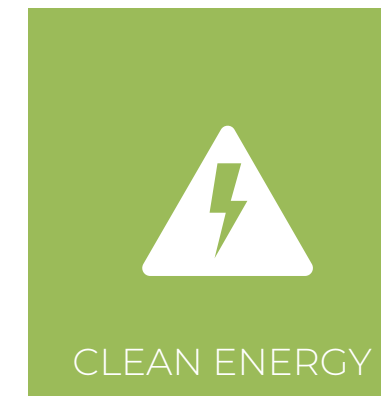


Regional Hydroelectric Generation^{1,2}

Jaurú Cascade
235.9 MW
(6 Facilities)

Juba Cascade
139.4 MW
(4 Facilities)

Governing ESG Philosophies



Source: ¹ www.quebecengenharia.com.br/complexo-juruena ² www.frontiersin.org/articles/10.3389/fenvs.2020.579031/full



Protects Meridian Shareholders Equity and provides Vendors an Interest Going Forward

Payments	Payment Schedule (Months)	Requirements	Vendor Payment (USD)	Vendor Payment (Shares)	Comments	Status
1	On signing	MNO will have exclusivity during the Due Diligence period	25,000	—	Payment due 5 business days from signing; permits a 90-day Due Diligence period	Complete
2	4	Positive Due Diligence; Filing of Title Transfer	275,000	—	Second instalments is payable up to 30 days from Positive Due Diligence and filing of Assignment Requests at ANM	Paid
3	16	1st phase drilling program, subject to statutory approvals & access agreements, with independent QP review	1,750,000	—	Verification and extensional drilling; DDH & geophysics database validation. Third Instalment is 12 months from Second Instalment	Payment Escrowed
4	22	Completion of NI 43-101 resource estimation	—	1,000,000*	* or option for CAD 300,000	Share held in Escrow
5	31	Positive Feasibility Study concluded	1,850,000	1,500,000*	* or option for CAD 450,000	Delayed to 30 Sept 2025
6	est. 41	Installation Permits (LI) granted by Mato Grosso State	2,250,000	2,000,000*	* or option for CAD 600,000	
7		Cabaçal mine construction finance has been secured	2,600,000	—	Seventh instalment is payable 45 days after signing of Binding Project Finance documents	
Total Financial Consideration (USD)			8,750,000	4,500,000	* Option for cash or shares at vendor's discretion	

As Meridian advances Cabaçal its value increases, the investment risk decreases, and milestone related payments are made

¹ See News Release 28th January 2022, 26th August, 3rd September 2020, & most recent MD&A



Item		
Plant Feed Mined	Mt	55.6
Waste Mined	Mt	118.1
Total Mined	Mt	173.7
Mill Throughput	Mt/annum	2.5
Total gold production	ounces	1,021,320
Total copper production	tonnes	159,926
Total silver production	ounces	1,758,923

Item		
Milled tonnes	Mt	55.6
Mill throughput	Mt/ annum	2.5
Strip Ratio	Waste: Mineralized Material	2.1
Average metallurgical recovery - Gold	%	89.7%
Average metallurgical recovery - Copper	%	92.4%
Average metallurgical recovery - Silver	%	75.2%

Item		Year 1-5	LOM
Average annual gold production (AuEq)	000 Ounces	131.1	81.2
Recovered Gold (AuEq)	000 Ounces	655.3	1,811.2
Total Cash Cost	USD/oz	644.3	804.4
Sustaining capital	USD/oz	26.4	61.8
All in Sustaining Costs ("AISC")	USD/oz	670.7	864.2

Notes:

¹ See News Release 6th March 2023


Cabaçal Initial Capital Costs

Item	US\$mm
Equipment & Packages	39.93
Materials	9.67
Construction And Erection	36.51
Others	32.14
Indirects Costs	31.43
Contingency	29.94
Total Initial Capital	179.62

Cabaçal Sustaining Capital Costs

Item	US\$mm
Process	30.53
Tailings	47.73
Indirect Costs	7.83
Owner Costs	3.91
Contingency	18.00
Total Sustaining Capital	108.00

Cabaçal Operating Costs Breakdown

Item	USD/t milled	USD/oz
Mining Costs	9.31	296.43
Labor	1.63	51.78
Power	2.07	65.80
Reagents & Consumables	2.61	82.96
Maintainence	0.97	30.72
Water/sewage	0.00	0.07
Access maintainance	0.06	1.96
Laboritory	0.38	12.13
Dry stack	2.12	67.33
G&A	2.11	67.06
Total Operating Costs	21.25	676.25

Notes:

¹ See News Release 6th March 2023

Item		Base Case		Spot Case	
Life of mine	Years		22.3		22.3
NPV(5%)	USD million		572.5		745.2
IRR	%		58.4%		69.7%
Payback	Days		321		279
Initial Capital Expenditure	USD million		180		180
Sustaining Capital Expenditure	USD million		108		108
Item		Average Year 1-5	Total LOM	Average Year 1-5	Total LOM
Revenue	USDmillion	208.6	2,882.1	234.9	3,254.1
Operating Costs	USDmillion	67.7	1,181.2	67.7	1,181.2
Free cash (after Tax)	USDmillion	107.3	939.8	128.7	1,216.4

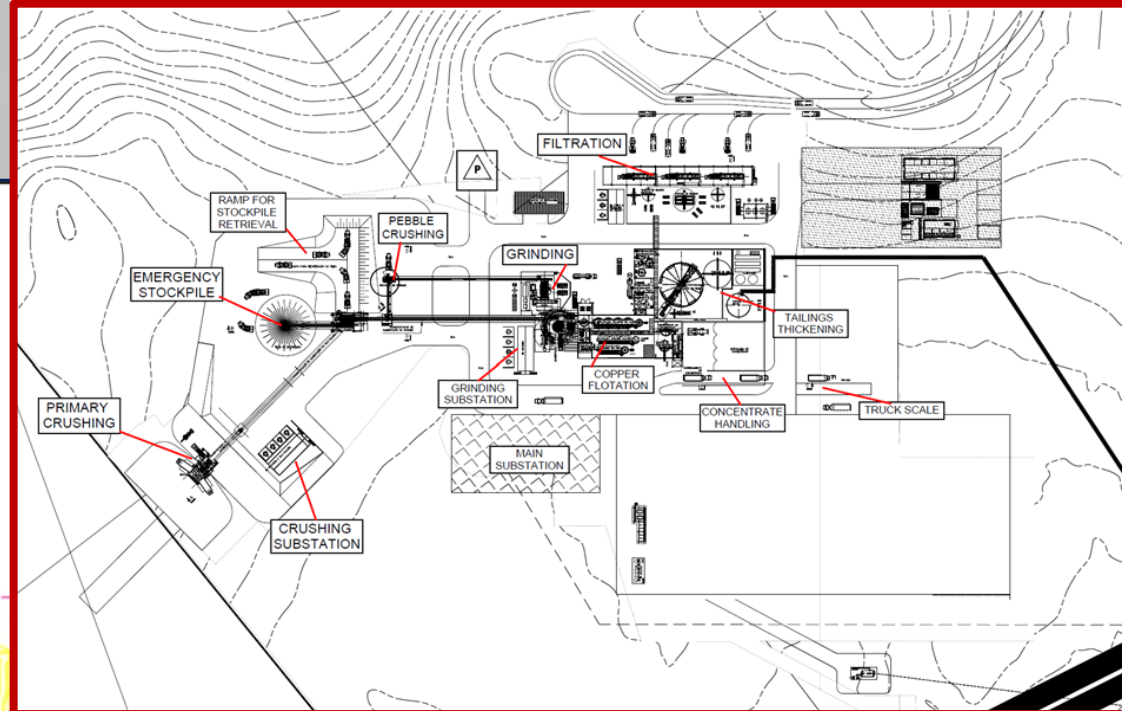
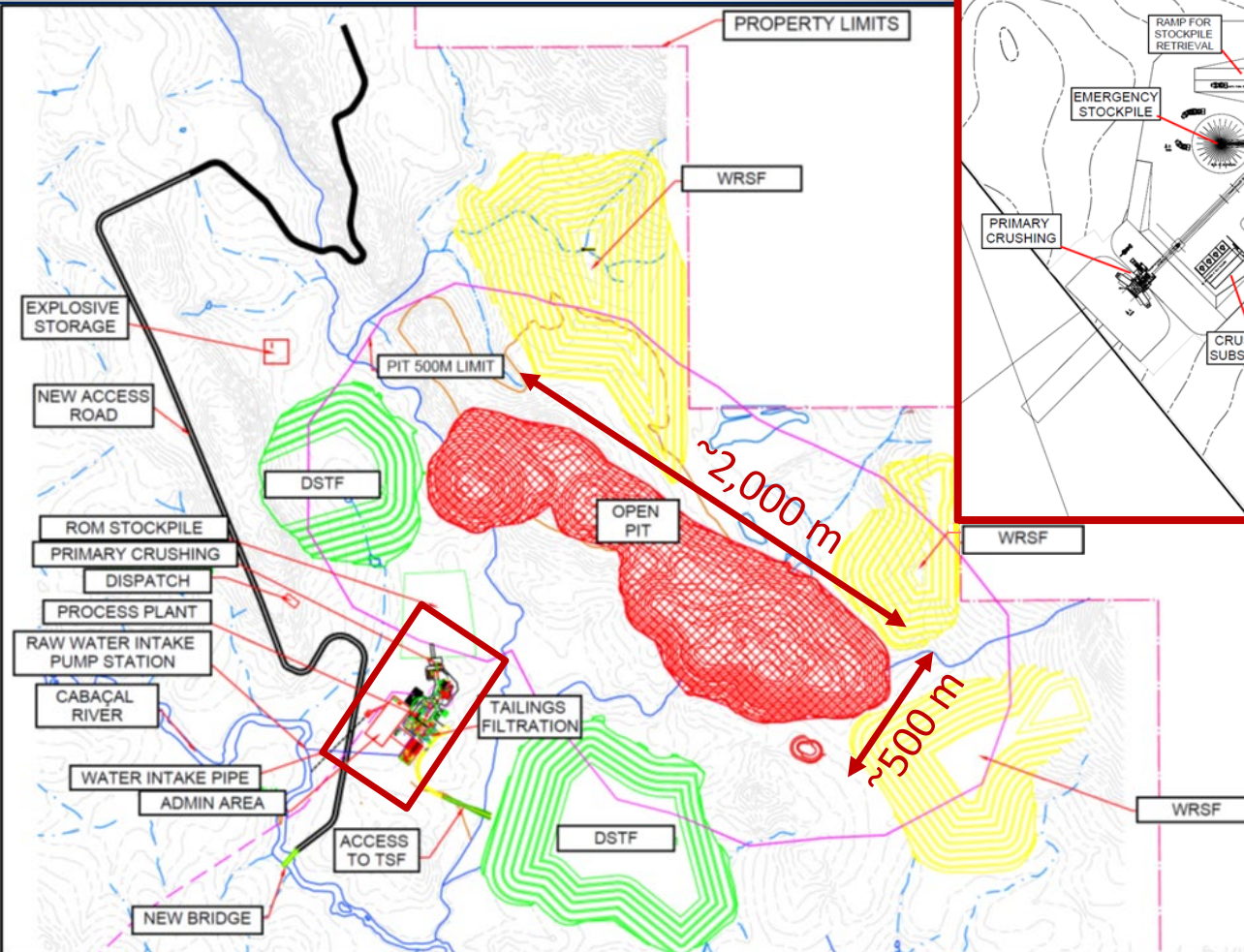
Item		Base Case	Spot Case
Gold Price	USD/oz	1,650	1,841
Copper Price	USD/lb	3.59	4.13
Silver Price	USD/oz	21.35	21.35
Exchange Rate	BRL:USD	5.3	
Corporate Tax Rate	%	25%	
Social tax	%	9%	
SUDAM Tax Reduction	%	75%	
SUDAM Rax Reduction	Years	10.00	
Gold Royalty Rate	%	1.5%	
Copper Royalty Rate	%	2.0%	
Silver Royalty Rate	%	2.0%	

Notes:

¹ See News Release 6th March 2023



Optimized mine site design to minimize transport distances



Plant site design flexible for expansion opportunities

Potential to minimize cost by using depleted open pit for waste storage

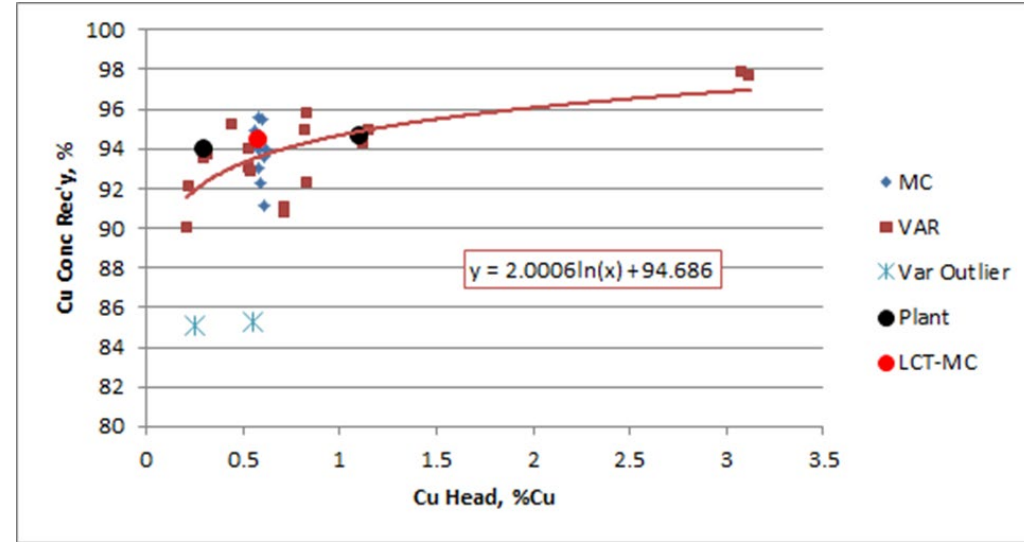
Notes: ¹ See News Release 6th March 2023



90-97% Copper Recoveries

Copper Recovery

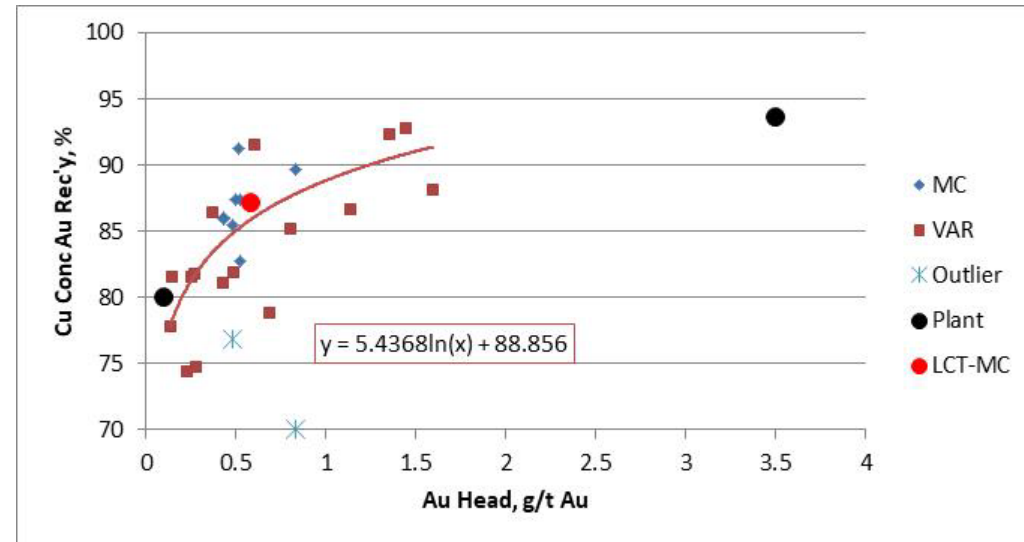
- Copper recovery exceeds 90% from 0.1% Cu head grade to 97% for >3% Cu head grade
- Historic plant data fits the trend
- High copper recoveries at low grades means viability of processing low grade mineralisation will be examined



85-95% Gold Recoveries

Gold Recoveries

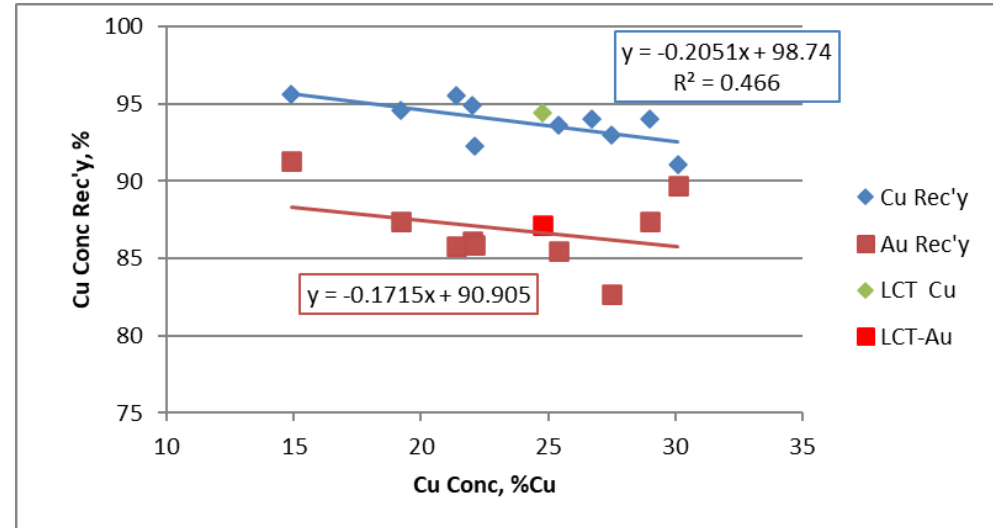
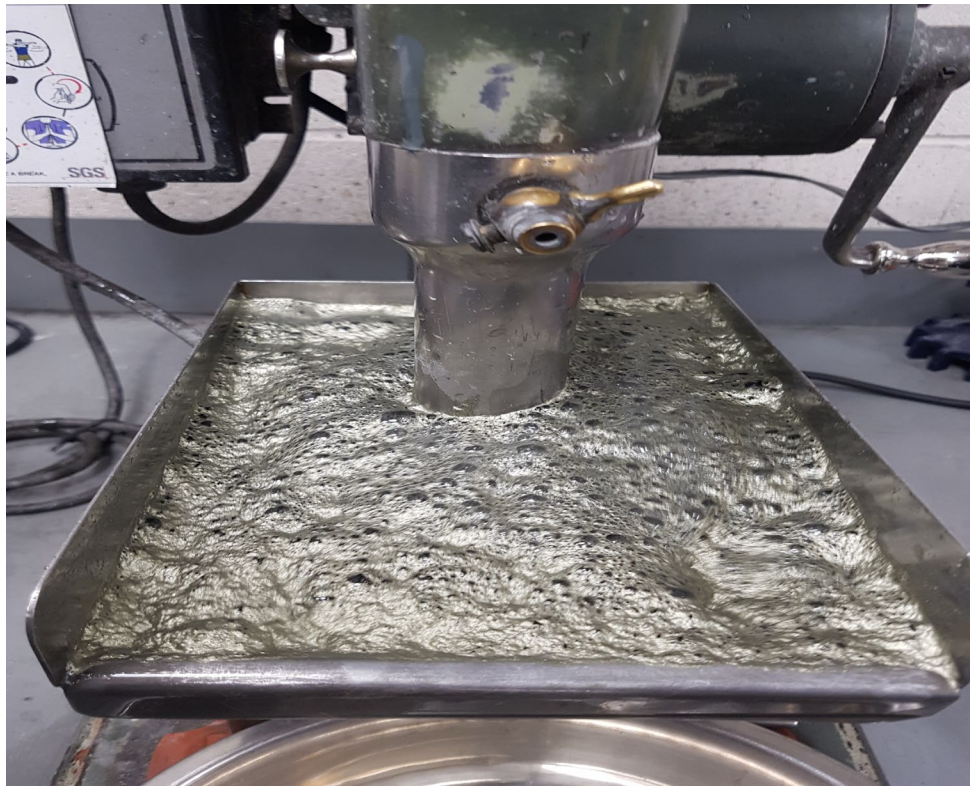
- Gold recovery increases with head grade with recoveries of 85% for gold head grade of 0.5g/t
- Historic plant feeds of >3g/t yield recoveries close to 95%



Note: ¹ See News Release



25-29% Copper Concentrate



High-grade Copper Concentrate

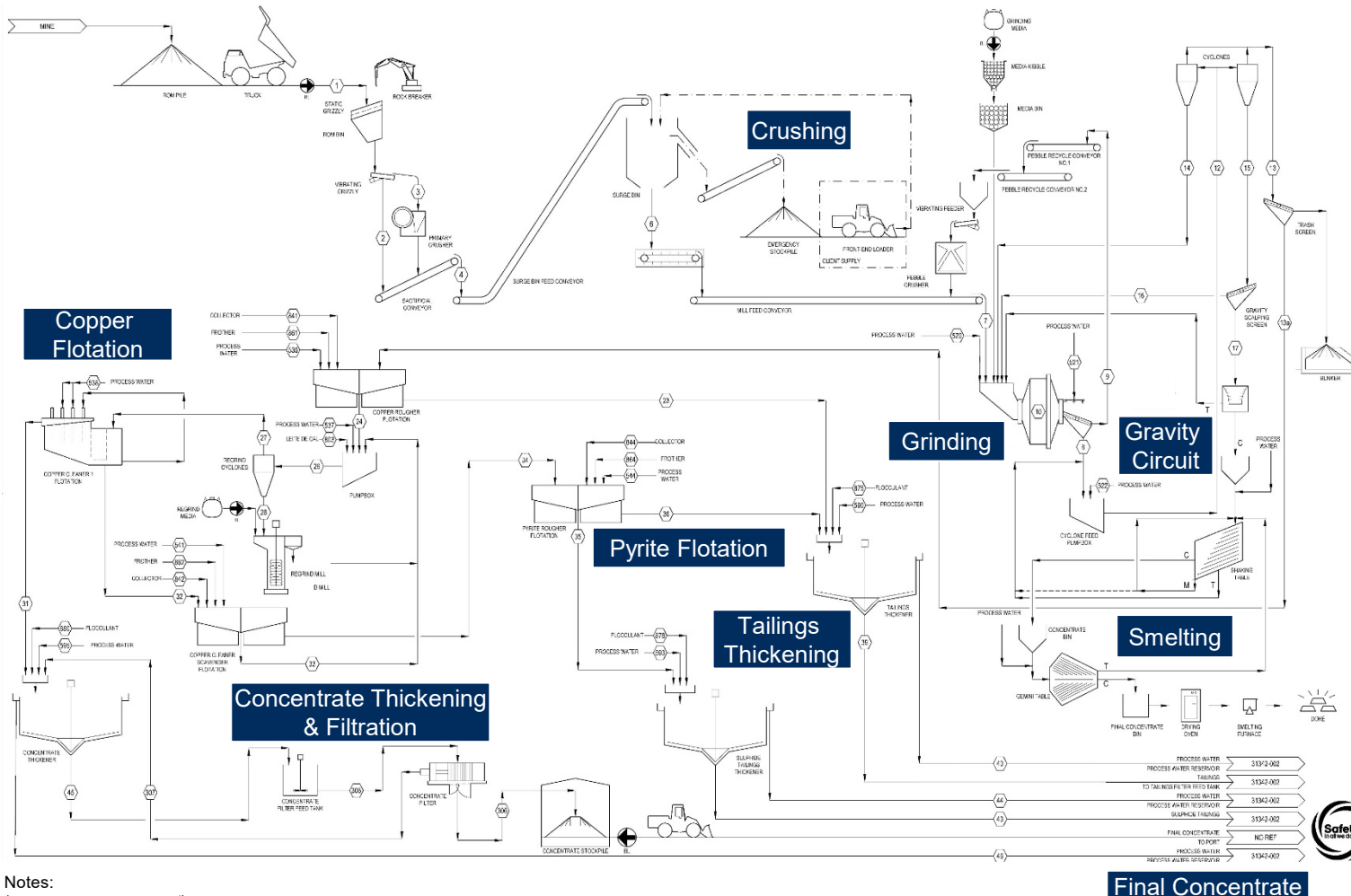
- ▲ Economics favored by producing higher copper concentrate grades due to gentle dipping copper and gold recoveries
- ▲ Concentrates are expected to yield high levels of gold and silver credits
- ▲ Concentrates will not incur penalties due to very low levels of deleterious elements
- ▲ Copper concentrate grades can be managed to customers requirements with modest impact to recovery

Next Steps

- ▲ On-going test work for high-grade coarse gold zones recovery
- ▲ Representative concentrate samples to be made available for smelter performance analysis

Note: ¹ See News Release

Simple process flowsheet with high recoveries



Jaw Crusher
Primary Grind
 ~200 microns
Gravity Circuit
 – 30% Au
First Cu Flotation
Re-Grind
 ~40 microns
Cleaner Circuit delivers
 high grade, high
 recovery, clean
 concentrate

Notes:
 1 See News Release 6th March 2023

Final Concentrate





Cabaçal Project

Cabaçal Mine
Peak Cu: 56 ppm
 Cabaçal Resource:
 Indicated: 52.9Mt @ 0.6g/t Au, 0.3% Cu and 1.4g/t Ag
 Inferred: 10.3Mt @ 0.7g/t Au, 0.2% Cu & 1.1g/t Ag

Santa Helena Mine
Peak Cu: 36 ppm
 Santa Helena Historical Resource
 Initial Exploration Target
 3.2 - 7.3 MT @ 3.0 – 3.2 g/t AuEq*
 Exploration Target contained within only 1.4km of
 the ~3km prospective trend
 Potential high-grade metal inventory range of
 between 306,000 to 763,000 AuEq ounces

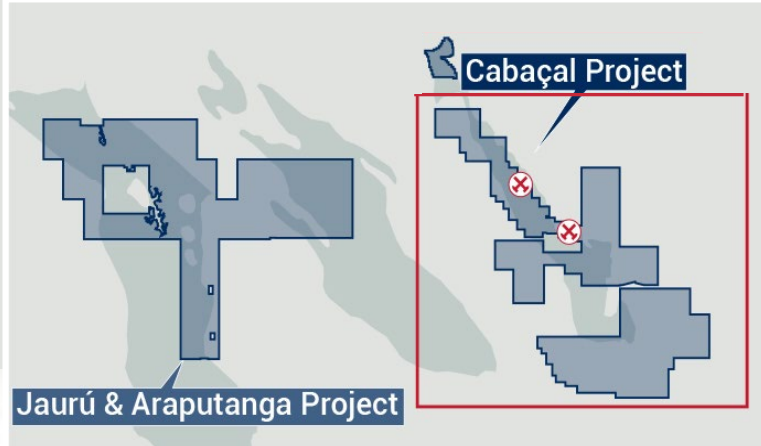
Alluvial Au Workings

Alvorada
Peak Cu: 164 ppm

- Meridian Mining claims
- Historical mine
- BP Copper Anomalies
- World View Target



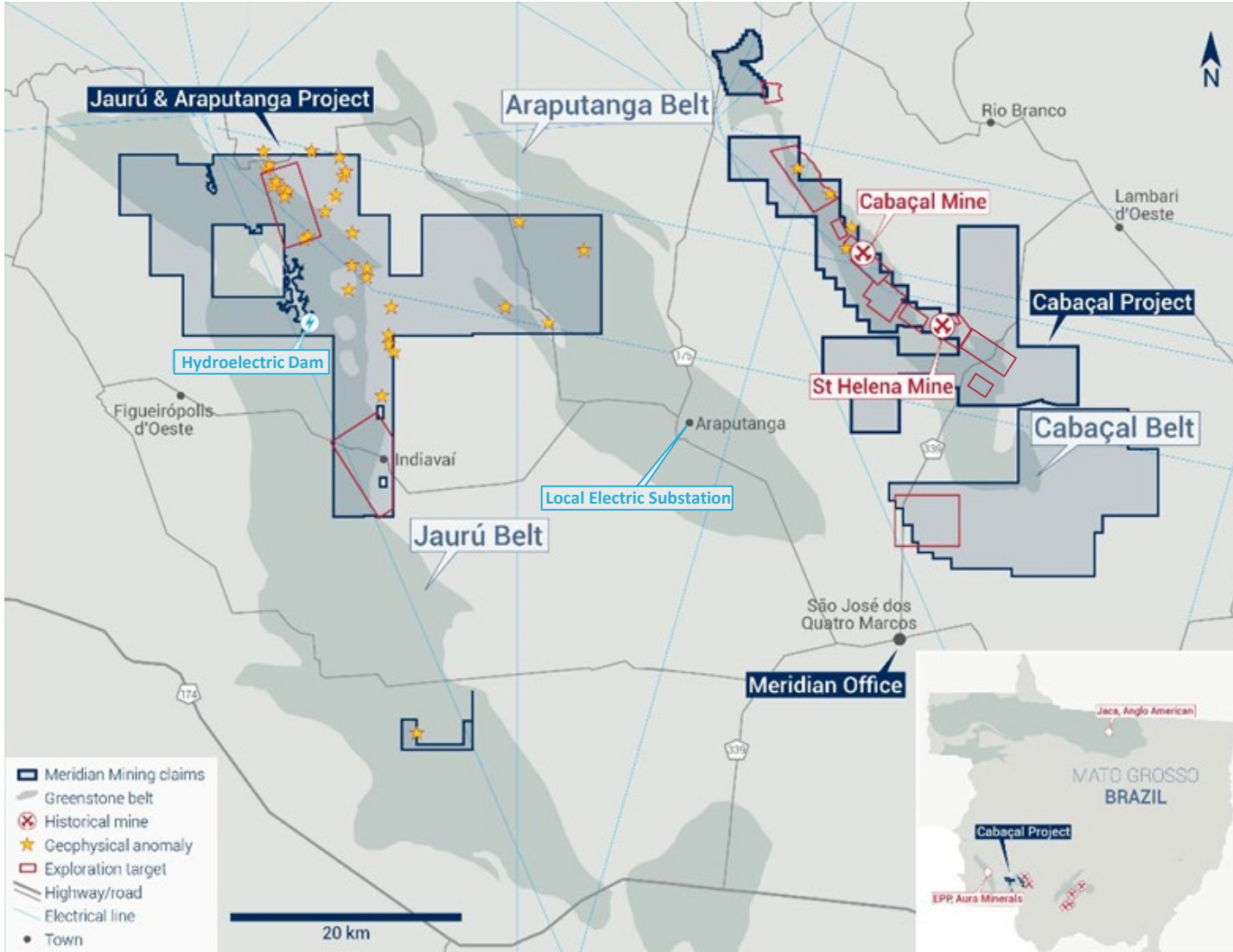
Alvorada uncovered as Cabaçal's most significant copper in stream anomaly



*The potential quantity and grade of an Exploration Target is conceptual in nature. There has been insufficient exploration to define a mineral resource, and it is uncertain if further exploration will result in the target being delineated as a mineral resource.

The metal equivalence formula is based on the historical Santa Helena resource report, calculated as AuEq based on gold being the dominant metal of the Cabaçal VMS camp, as the expectation is that Santa Helena's mineralization will be evaluated for processing through a centralized facility at the Cabaçal mill with the addition of a zinc circuit.

¹ See Meridian News Release 14th February 2023



928 km² tenements

Regional Exploration by BP Minerals

Historical Cu-Au-Zn geochemical anomalies

Potential extensions of VMS belt stratigraphy

Jaurú & Araputanga Greenstone belts potential to repeat discovery success at Cabaçal

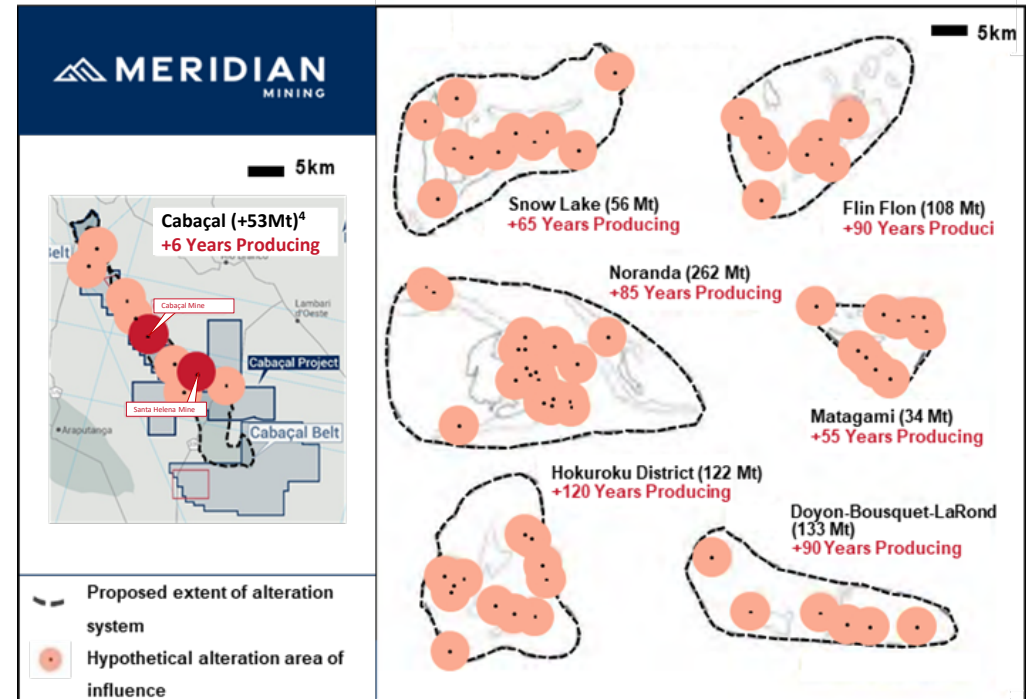
¹ See News Releases: 20th June 2022, 5th Jan 2022 & 12th April 2021



Cabaçal VMS Project Analogues

- ▲ Cabaçal is a camp scale VMS project underexplored and under-developed compared to analogue camps
- ▲ Cabaçal has already one giant VMS deposit defined
- ▲ VMS deposits tend to form periodically, related to hydrothermal convection cells on the ocean floor at ~4km spacings
- ▲ Cabaçal's multiple targets are consistent with deposit clustering, with potential for blind repeats
- ▲ VMS deposits are well known for their base and precious metal production
- ▲ Cabaçal VMS district has many similarities to other VMS districts such as Flin Flon (Manitoba), and Matagami (Quebec)

A junior company acquiring ownership of a VMS belt on a camp scale is a rare opportunity



▲ MAJOR VMS MINING DISTRICTS

“We are excited about the potential for more ore discovery around Cabaçal and in the belt as a whole... In a Canadian context the Cabaçal belt would be a prime long-term target for VMS type mineralization, with strong competition for ground holdings.”³

Notes:

¹ Source: Akita University, Galley et al. (2007); Mercier-Langevin et al. (2007) S&P Global, Hubyay 2020 See Meridian Announcement of 26th August, 2020

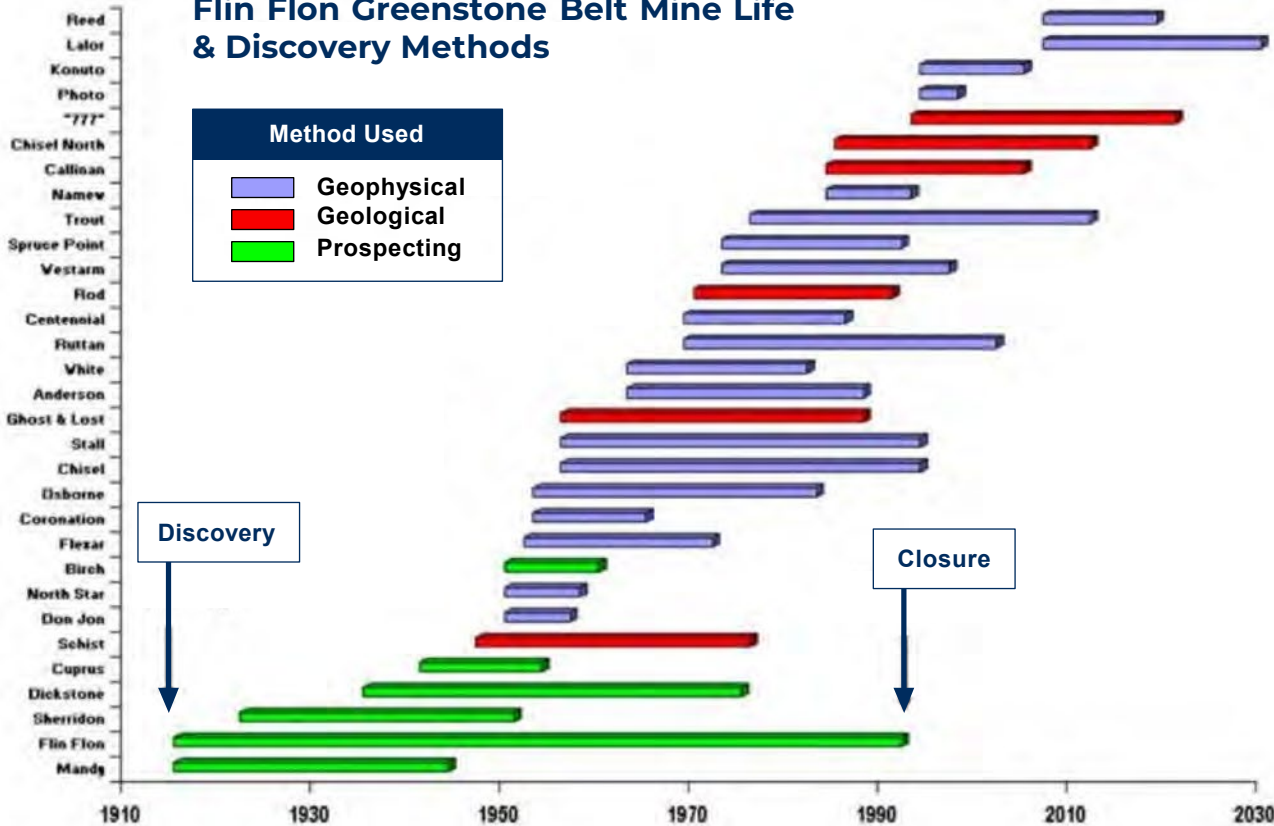
² See News Release dated 26th September

³ Cabaçal-1 Mine Mato Grosso State, Brazil. Report by Dr Robert Mason and Mr. David Kerr. Queens University, Ontario, Canada

⁴ See News Release 26th September 2022



Flin Flon Greenstone Belt Mine Life & Discovery Methods



The Technical Evolution

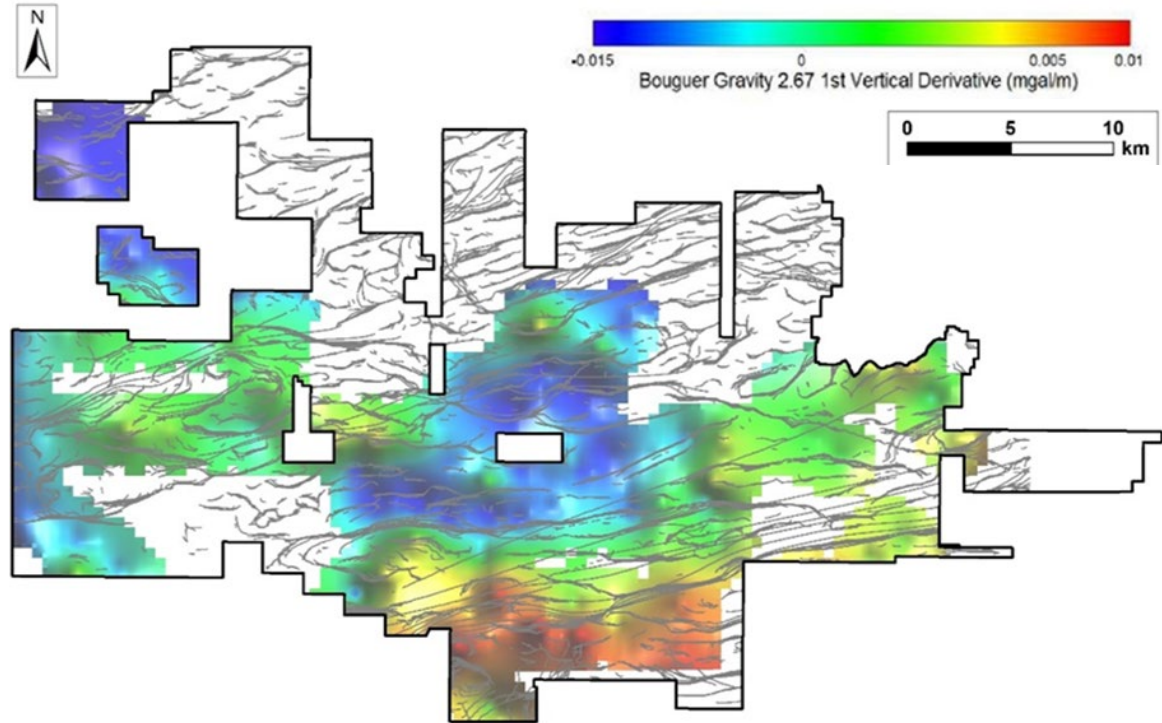
- △ First discovery identified through prospecting (David Collins - Tom Creighton, 1914)
- △ Early mapping and geochemistry may identify hydrothermal centers. Economic mineralization not necessarily present at surface
- △ Cyclical nature of metal prices can influence sustained exploration effort
- △ Modern geophysical exploration methods have successfully expanded the discovery window, through surface and down-hole survey techniques
- △ Improved analytical methods add increasingly sophisticated criteria for geochemical vectoring to mineralization
- △ Geochemical methods are supplemented by alteration mapping, maximizing information from deeper drilling to map fluid pathways, and model the hydrothermal system in 3D

△ FLIN FLON: FROM THE PROSPECTOR TO VTEM

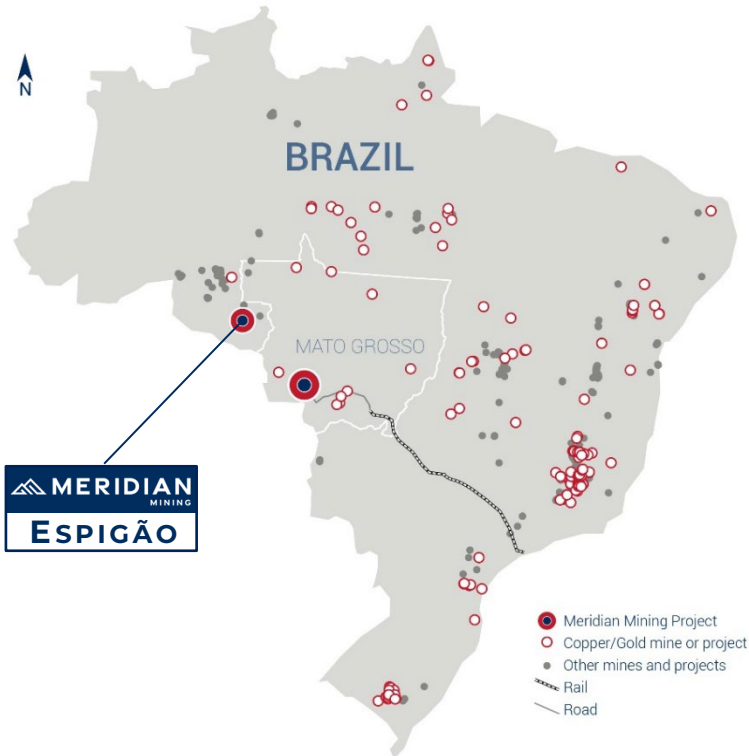
¹ Source: Gilmore and Wood, 2012 / Hudbay <https://csegrecorder.com/articles/view/geophysical-exploran-beneath-the-phanerozoic-cover-of-the-flin-flon>

Espigão Project

- Iron Oxide-Copper-Gold (“IOCG”) type deposits host the giant Cu-Au mines of Brazil and some of the biggest Cu-Au mines internationally e.g. Salobo and Olympic Dam
- Espigão hosts the prospective geochemistry comparable to large-scale IOCG type deposits
- First gravity survey 2km centered stations and testing for scale – more results pending



	Magnetic Anomaly Amplitude	Magnetic Anomaly Amplitude	Gravity Anomaly Amplitude	Gravity Anomaly Amplitude
Units	nT	km	Mgal	Km
Espigão Project	Pending	Open	15	Open
Deposit				
Olympic Dam	1,400	8 km across	17	8 km across
Wirrda Well	1,800	6 * 9 km	6	6 * 9 km
Carapateena	200-300	1.5 * 1.0 km	2 - 2.5	2 * 2 km
Prominent Hill	7,000	0.7 * 0.5 km	5	2.5 * 1 km
Ernest Henry	7,000 – 10,000	1.2 * 0.7 km	2 - 3	1.2 * 0.7 km
Eloise	1,100	0.75 * 0.25 km	1.0	1.0 * 0.5 km



1 See News Release 5th May 2022
2 Table 1 International IOCG and associated



MERIDIAN MINING

Meridian Mining UK S

Phone: +1 778 715 6410

Email: info@meridianmining.net.br

Corporate Address:

8th Floor 4 More London, Riverside,
London, United Kingdom, SE1 2AU

Gilbert Clark

Chief Executive Officer