TSX.V: AAG - OTCQX:AAGF - FRA:FLM1 CEM- April 2025

Silver-Copper-Manganese Critical Metals



### **Important Information**



#### **Cautionary Statement on Forward LookingInformation**

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Certain information in this presentation contains forward-looking statements and forward-looking information within the meaning of applicable securities laws (collectively "forward-looking statements"). All statements, other than statements of historical fact are forward looking statements. Forward-looking statements are based on the beliefs and expectations of Aftermath Silver as well as assumptions made by and information currently available to Aftermath Silver management. Such statements reflect the current risks, uncertainties and assumptions related to certain factors including but not limited to, all costs varying significantly from estimates, production rates varying from estimates, changes in metal markets, changes in equity markets, the proposed use of net proceeds from private placements, availability and costs of financing needed in the future, equipment failure, unexpected geological conditions, imprecision in resource estimates or metal recoveries, ability to complete future drilling programs, drilling program results varying from expectations, delays in obtaining survey results, success of future development initiatives, the completion and implementation of a preliminary economic assessment, pre-feasibility or feasibility studies, competition, operating performance, environmental and safety risks, delays in obtaining or failure to obtain necessary permits and approvals from local authorities, community relations, and other development and operating risks. Should any one or more of these risks or uncertainties are reasonable, forward-looking statements are not guarantees of future performance and accordingly undue reliance should not be put on such statements are not guarantees of future performance and accordingly undue reliance should not be put on such statements are not guarantees of future performance and accordingly undue reliance should not be put on such statements are not guarantees of future performance and accordingly undue reliance should not be put on such statements are not guarantees

Although Aftermath Silver has attempted to identify important risks, uncertainties and other factors that could cause actual performance, achievements, actions, events, results or conditions to differ materially from those expressed in or implied by the forward-looking information, there may be other risks, uncertainties and other factors that cause performance, achievements, actions, events, results or conditions to differ from those anticipated, estimated or intended. Unless otherwise indicated, forward-looking statements contained herein are as of the date hereof and Aftermath Silver disclaims any obligation to update any forward-looking statements, whether as a result of new information, future events or results or otherwise, except as required by applicable law.

#### **Cautionary Note About Mineral Resources**

This presentation uses the terms measured, indicated and inferred resources as a relative measure of the level of confidence in the Mineral Resource estimate. Readers are cautioned that: (a) Mineral Resources are not economic Mineral Reserves; (b) the economic viability of Mineral Resources that are not Mineral Reserves has not been demonstrated; and (c) it should not be assumed that further work on the stated Mineral Resources will lead to Mineral Reserves that can be mined economically. In addition, Inferred Resources are considered too geologically speculative to have any economic considerations applied to them. It cannot be assumed that all or any part of an Inferred Resources will ever be upgraded to a higher category. Under Canadian rules, estimates of Inferred Resources may not form the basis of feasibility or pre-feasibility studies or economic studies except for certain preliminary economic assessments.

#### **Mineral Resources**

The Mineral Resource estimate for Berenguela in this presentation & the QA/QC review and data verification was completed by Ms Dinara Nussipakynova, P.Geo., Principal Geologist with AMC who is the QP for the purpose of NI 43-101 for all technical information pertaining to the current Mineral Resource. Further details supporting the geological model, estimation procedure and metallurgical testwork are available in the technical report (the "Berenguela Technical Report") on the Berenguela Silver-Copper-Manganese Project, located in Peru ("Berenguela") pursuant to National Instrument 43-101 *Standards of Disclosure for Mineral Projects* ("NI 43-101") under the Company's profile on SEDAR.

For full details of the mineral resource estimate for Challacollo see Aftermath NI 43-101 technical report titled "Challacollo Silver-Gold Mineral Resource Estimate" By Qualified Persons J.M. Shannon, (P.Geo), D. Nussipakynova (P.Geo), S. Alvarado (Chilean Mining Commission), B. Mulvihill (MAusIMM CP Met) dated February 5, 2021, with an effective date December 15, 2020, filed on the Aftermath Silver SEDAR profile.

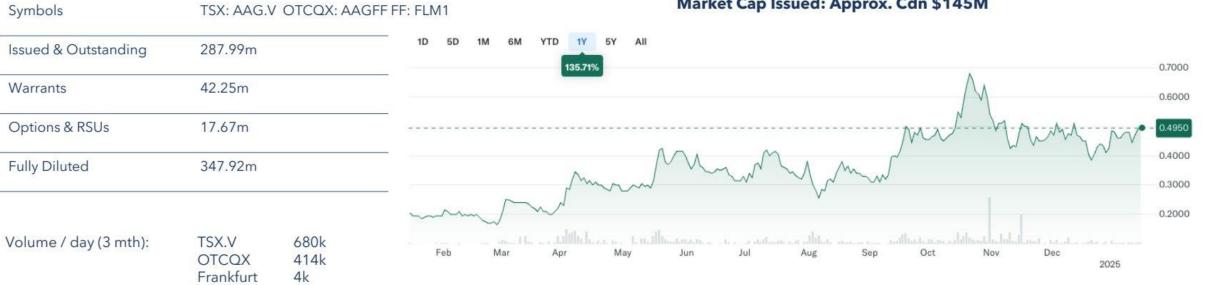
#### **Mineral Resources - Cautionary Note to US Investors**

This presentation has been prepared in accordance with the requirements of Canadian National Instrument 43-101 - Standards of Disclosure for Mineral Projects ("NI 43-101") and the Canadian Institute of Mining, Metallurgy and Petroleum Definition Standards, which differ from the requirements of U.S. securities laws. NI 43-101 is a rule developed by the Canadian Securities Administrators that establishes standards for all public disclosure an issuer makes of scientific and technical information concerning mineral projects. Canadian public disclosure standards, including NI 43-101, differ significantly from the requirements of the United States Securities and Exchange Commission (the "SEC"), and information concerning mineralization, deposits, mineral reserve and resource information contained or referred to herein may not be comparable to similar information disclosed by U.S. companies.

#### **Qualified Person**

Michael Parker, FAusIMM,, is a non-independent qualified person, as defined by NI 43-101. Mr. Parker has reviewed the technical content of this Presentation and consents to the information provided in the form and context in which it appears.





#### 12 Month Share Price TSX-V AAG (January 16, 2025) Market Cap Issued: Approx. Cdn \$145M

#### Warrants

Expiry	Price (\$Cdn)	Number (million)	Cash Value (\$m)	
May, 2025	0.35	14.97	\$5.24	
April, 2026	0.32	9.02	\$2.89	
Sept, 2026	0.45	7.14	\$3.21	
Nov. 2027	0.70	11.11	\$7.77	

#### Largest shareholders

Eric Sprott Strategic Investor Silver ETF	72m shares, <i>ca</i> . 25% 2.4% 2%
Management:	Approx. 2% of issued
Cash:	Approx. \$13.8m

#### Closed \$10m PP with Eric Sprott Nov. 28 2024



- Share Price Increase 175 % (\$0.20 \$0.55)
- Market Capitalization Increase 210% (\$50M \$155M)
- 82 Diamond Drill Program Completed
- Additional High-Grade Silver and Copper Drill Results
- Including 156m Step out from Surface, 290 g/t Ag, 1.12% Cu and 7.3% Mn
- Achieve EV Grade 99.9% High Purity Manganese Sulphate
- Metallurgical Test work Yields High Silver Recoveries
- Eric Sprott Increases Ownership in Aftermath to 25%
- Added to the Solactive Global Silver Miners Total Return Index
- TSX Venture Top 50

# Last 12 Months



#### Significant Silver Development Resource

- Potential to be Large Manganese Producer for EV Batteries
- Preliminary Economic Assessment 2025
- Pre-feasibility including bulk sample and pilot plant 2026
- Environmental Work Done to World Bank Standards
- Interest from Peru, US and Europe to Process Manganese Outside of China

# Key Points

## **Key People**





#### **Michael Williams**

Exec. Chairman & Director

- Extensive experience in capital markets equity and M&A transactions
- Founder of numerous publicly listed junior mining companies
- Chairman, Underworld Resources sold to Kinross Gold for \$138-million



#### Ralph Rushton

President, CEO & Director

- Geologist with extensive mining and exploration experience.
- 20 years' experience marketing and financing junior resource companies
- 11 years geologist with Anglo American



#### **Michael Parker**

COO & Director

- 25 years as geologist with extensive mining and exploration experience
- Country manager for First Quantum in DRC & Peru for First Quantum
- Extensive ESG and community relations experience



#### Victor Grande

VP Sustainability & Community Relations

- Former World Bank Development Officer
- 20 years' experience social and environmental sustainability
- Extensive field experience

### **\$1 billion of equity financing and** *M&A transactions*

## **Key People**





#### **Keenan Hohol**

Director

- Former general counsel Pan American Silver
- Experience in corporate governance, securities law and M&A transactions
- Former BHP Billiton general counsel



#### **David Terry**

Director

- Experienced exploration geologist
- CEO & Director Genesis Metals.
- Former Director of Great Bear acquired by Kinross Gold for \$2 billion



#### Jeff Sundar

Capital Markets

- Over 20 years mining capital markets
- Director of Northern Empire Resources sold for \$117 million
- Director of Underworld Resources acquired for \$138 million.

Discovered and developed multiple precious & base metal deposits



#### • Large Scale Silver, Copper and Manganese Oxide Deposit

- Strategic Importance for EV Applications
- Initial Metallurgy Demonstrates Battery Grade Manganese Sulphate (99.9%)
- Deposit Begins at Surface open pit potential
- Rail, Power, Road and Labour within 6km
- Skarn and Porphyry Potential

# Berenguela, Peru



### **Berenguela - Mineral Resource Estimate**

Classification	Tonnes (Mt)	Ag (g/t)	Mn (%)	Cu (%)	Zn (%)	Ag (Moz)	Mn Mt	Cu Mlb	Zn Mlb
Measured	6.152	101	8.89	0.85	0.30	20.0	0.55	115.3	41.2
Indicated	34.024	74	5.60	0.63	0.34	81.2	1.90	473.7	258.1
M + I	40.176	78	6.10	0.67	0.34	101.2	2.45	589.0	299.3
Inferred	22.287	54	3.57	0.42	0.25	38.8	0.8	204.3	122.8

•	CIM Definition Standards (2014) were used for reporting the Mineral Resources.	Activity	Items
•	The effective date of the estimate is 30 March 2023	Mining	Minin
•	The Qualified Person is Dinara Nussipakynova, P.Geo., of AMC Mining Consultants (Canada) Ltd.		Pit slo
•	Mineral Resources are constrained by an optimized pit shell using the assumptions in Table 2	Processing	Proce
•	No dilution or mining recovery applied.		Proce
•			Proce
•	Silver equivalency (AgEq) formula is AgEq = Ag+ Cu%*121.905+Mn%*22.809+Zn%*41.463 based on		Proce
	the parameters in Table 2.		Proce
•	Cut-off grade is 80g/t AgEq		Proce
•	Bulk density used was estimated and variable. but averaged 2.30 tonnes/m <sup>3</sup> for mineralized material	Metal Prices	Ag
	and 2.25 tonnes/m <sup>3</sup> for waste.	Wetarrites	Сu
•	Drilling results up to 13 October 2022.		MnSC
			IVINSC

- Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability. ٠
- The numbers may not compute exactly due to rounding. ٠

Mineral Resources are depleted for historic mined out material. ٠

The relative value in the Mineral Resource by metal is as follows, Aq=26% Cu=26%, Mn=44%, Zn=4% •

Source: Technical Report Berenguela Mineral Resource Estimate NI 43-101 Aftermath Silver Ltd. Province of Lampa, Department of Puno, Peru. AMC Project 722031 Effective date 30 March 2023

#### Assumptions for pit optimization

Activity	Items	Unit	Value
Mining	Mining (all types)	\$/t material	2.25
	Pit slopes	degrees	45
Processing	Processing - Cost	\$/t ROM	41.0
	Processing rate	Mtpa	2.5
	Process Recoveries - Ag	%	81.0
	Process Recoveries - Cu	%	81.0
	Process Recoveries - Zn	%	76.0
	Process Recoveries - Mn	%	81.0
Metal Prices	Ag	\$/oz	22.50
	Cu	\$/lb	4.00
	MnSO4 (Agri-MnSO4)	\$/t	530
	Zn	\$/lb	1.45
Other costs	Admin and Support (G&A)	\$/t ROM	4.0
	Land Freight	\$/t Product	30.0
	Port Charges	\$/t Product	20.0
	Marketing	% of Revenue	0.50%
	Royalty – Silver Standard	% of Revenue	1.00%
	Royalty – VDM Partners	% of Cu revenue	2.00%
Other	Conversion	Mn:MnSO4 %	32



#### Silver

- Silver has more uses than any commodity other than oil
- Critical Energy Transition Mineral
- Silver is the most conductive metal in existence
- Peak silver supply was five years ago Worldwide silver production is dropping
- Largest segment of silver demand is now industrial Renewables and EV taking a greater share
- Silver demand growing by 85% in 10 years- BMO Capital Markets
- Dual catalysts Investment and industrial demand
- Current gold silver price ratio 89-1 (historically 50-1)

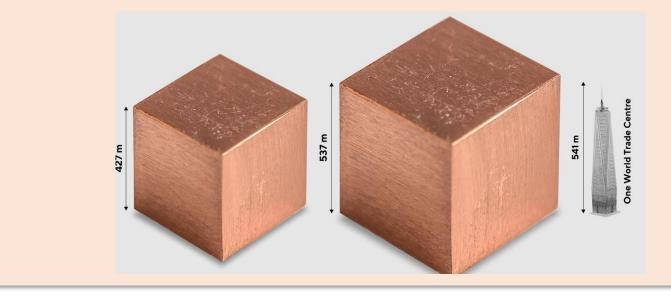






#### Copper

- Generational shift due to decarbonization net zero mandates
- Choke point for the energy transition Every renewable and EV needs copper
- Goldman Sachs predicts by 2030 copper demand will grow by 600%
- Declining mine grades worldwide but increased time to production
- Supply challenges 224 copper discoveries since 1990 but only 10 were discovered in the past 10 years



### **Aftermath Silver - Business**



#### Manganese Sulphate – MnSO4 – Critical Role in EV Batteries & is a Key Component Now and in the Future

Stabilizing Component in the Cathodes of Nickel Manganese Cobalt Lithium-Ion Batteries



25

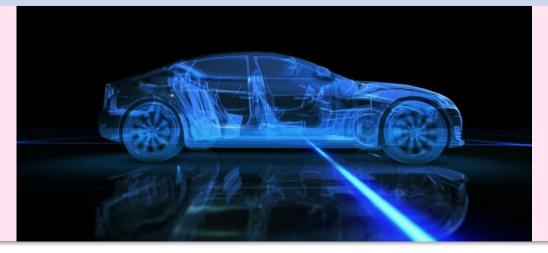
Increases Energy Density Which Improves Driving Range

T

Decreases the Combustibility of an EV Battery Pack



Demand for manganese for the battery sector expected to increase ninefold by 2030





704% Manganese

Graphie ala

### **Berenguela - Manganese Demand**

# BATTERY MINERALS

Battery minerals are crucial for the global clean energy transition, as they enable both cost-effective, on-demand power systems and the decarbonization of the transportation sector.

#### FORECAST MINERAL GROWTH IN CLEAN ENERGY 2022-2040P

SOURCE: IEA, 2023. McKinsey & Company, 2023.

### 0.

519%

Batteries are expected to account for **95% of lithium demand** by 2030.

Nickel 843%

241%

Copper

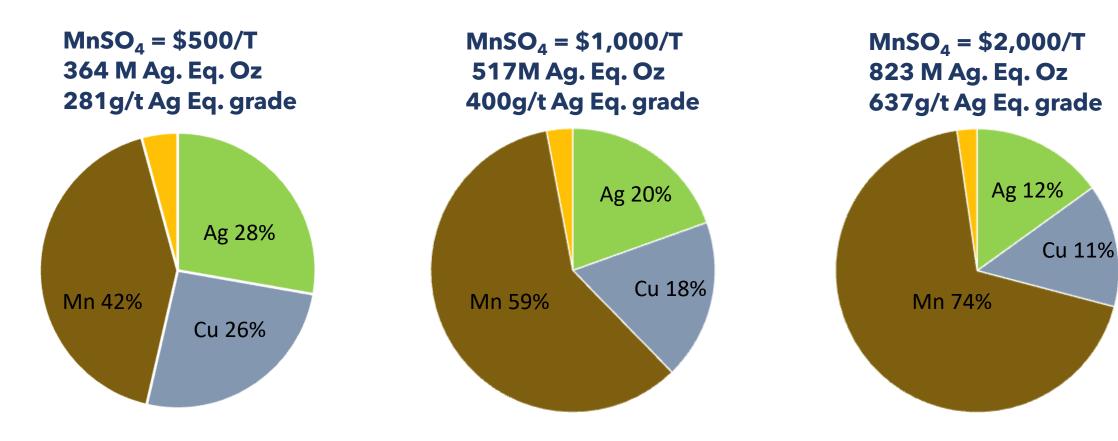
A battery's chemical composition changes depending on the technology, however, all the materials here are considered critical for electric vehicles (EVs) and energy storage.

NOTE: Data models the Net Zero Emissions Scenario of the International Energy Association (IEA). Numbers have been rounded.

### **Berenguela - Metal Valuation**



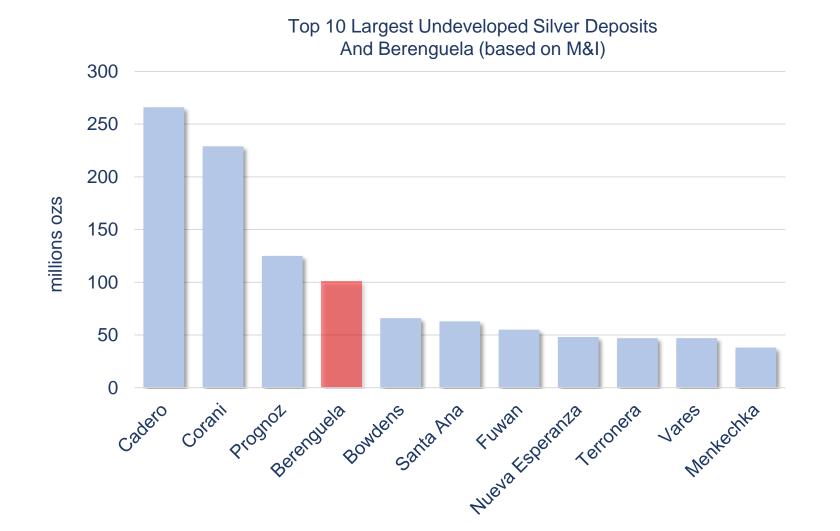
Silver = \$25/oz Copper = \$4/lb Zinc = \$1.3/lb Assuming 81% recovery for Ag, Cu, Mn & 76% for Zn



Ag Cu Mn Zn

### **Berenguela - Global Silver Mineral Resource Comparisons**





### **Projects - Precious / Critical Metals Assets**



Peru is one of the largest producers of copper, zinc, silver, and lead in the world.

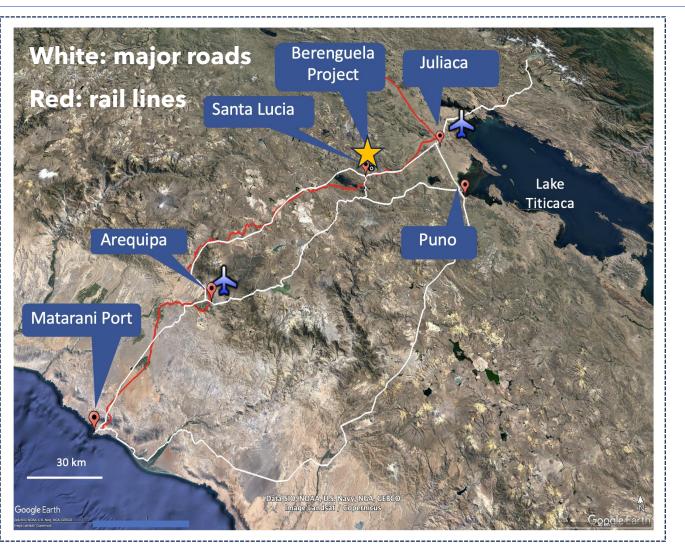
Chile accounts for 5% of global silver reserves



### **Berenguela - Location & Infrastructure**







- Matarani Port via rail line 350km
- Local work force & regional mining history

## Berenguela, Peru - Key Critical Metal Deposit

Rail line: Approx. 350km to Matarani port —

±5km

0

#### Santa Lucia

Limon Verde core yard

Historic silver workings

### Berenguela: Core & Sample Storage Facility, Arequipa

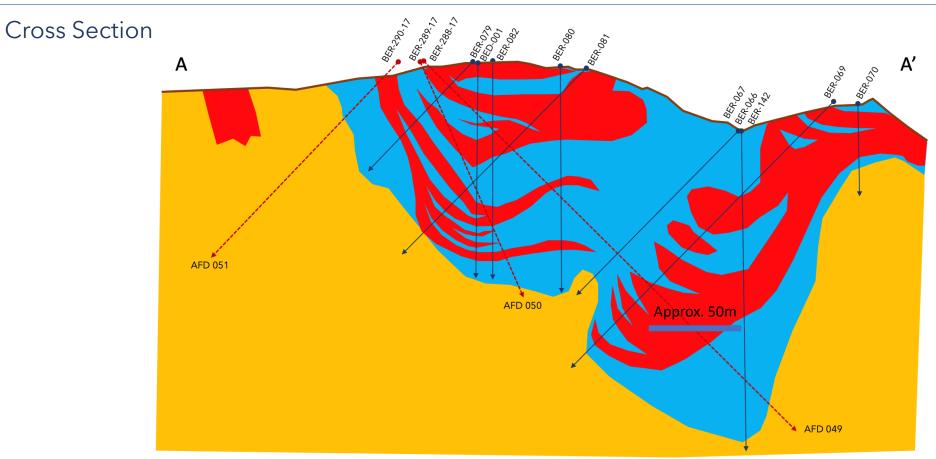


### 42,650m of drilling and 475 drill holes completed to date



## **Berenguela - Deposit and Mineralization**





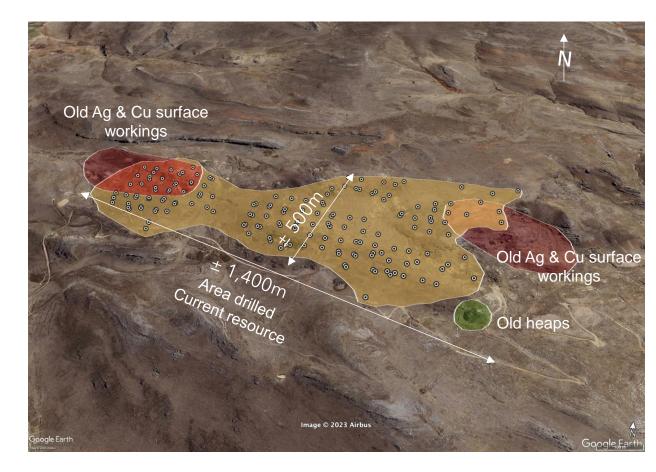
These historical drill intercepts for the Berenguela project were taken from the 2021 NI 43-101 Technical Report on the Berenguela property titled "Berenguela Silver-Copper-Manganese Property Update" filed on SEDAR on February 25, 2021, authored by independent QP's J.M. Shannon P.Geo, M.A. Batelochi MAusIMM (CP), and G.S. Lane FAUSIMM, and has an effective date of February 18, 2021, filed on the Aftermath Silver SEDAR profile.

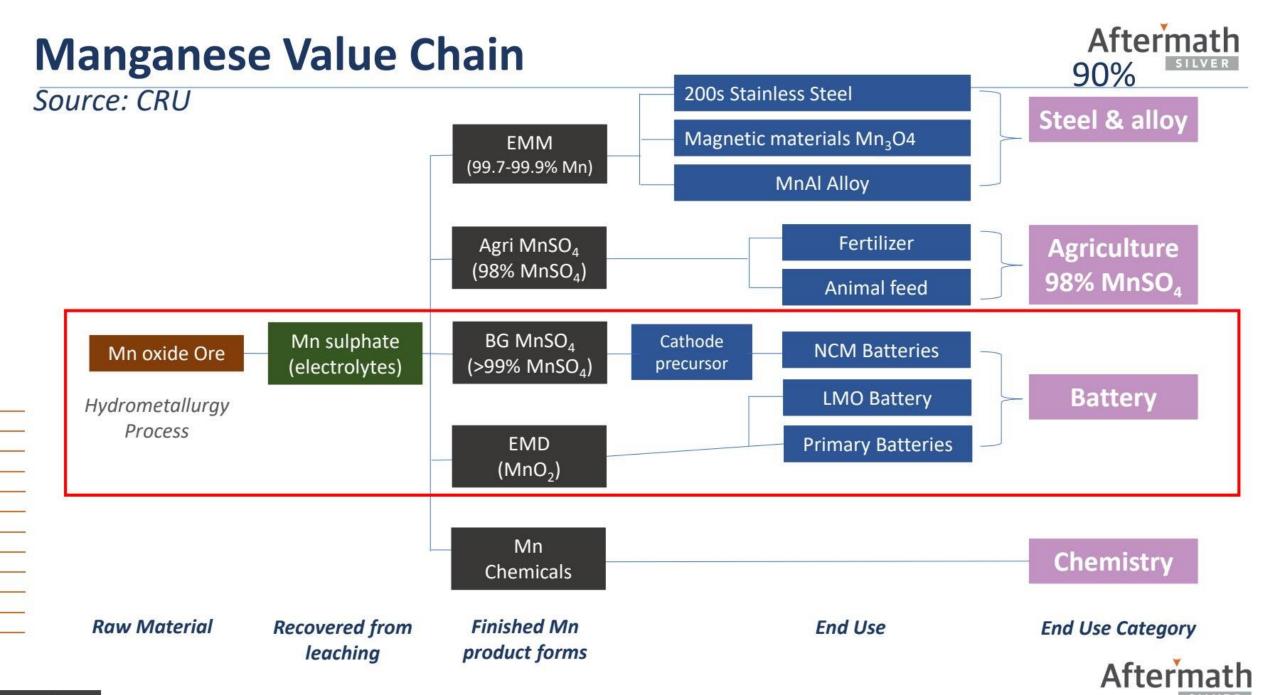
The reader is cautioned that these are historical drill intercepts and as such cannot be relied upon, although Aftermath believes the historical work to have been completed to a high standard. Aftermath is currently drilling at Berenguela to verify a selection of the historic drill holes completed at Berenguela.

- Berenguela is a carbonate-replacement deposit (CRD) hosted in dolomite
- Manganese enrichment shown in blue & red
- Corresponds approximately to Ag- Cu enrichment envelope



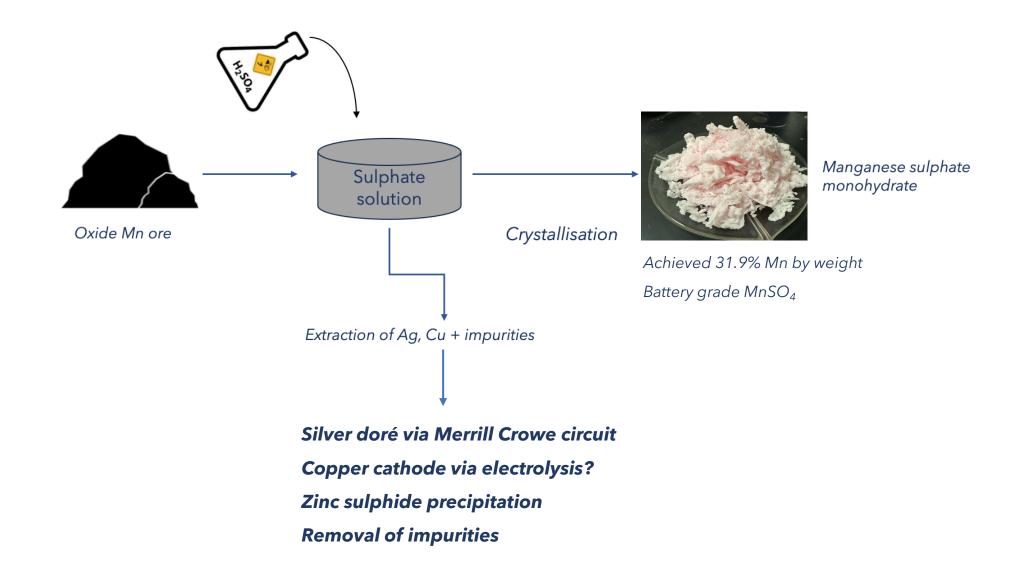
- Metallurgical flow sheet development
- Initiation of PEA engineering (WSP/KCA)
- 2020-2021 Aftermath Silver Ltd 63 diamond drill holes - (6,170m)
- All holes included in the current resource
- Completion of 43-101 resource estimate
- Metallurgical studies underway





### **Berenguela - Simplified Manganese Process Route**





## **Berenguela - ESG Credentials**

O C

- Infrastructure in place: community, road, rail, power within 5 km
- Renewable energy sources: 63% of power generated in Peru comes from hydroelectric sources
- Planned processing less energy intensive
- Provides critical metals source silver, copper, manganese
- Full time Community Relations team developed to World Bank standards
- Regular community information meetings
- AAG providing educational grants for local students
- Local workforce supplies all labour
- Scope for facilitating local business development to support a future mining project









# Update NI 43 101 Resource

# Next 12 Months

Drill Test Copper Targets
Additional Metallurgical Base

• Assay Results

- Additional Metallurgical Results
- Preliminary Economic Assessment
- Initiate Begin Pre Feasibility Study
- Begin Drilling Challacollo Silver Deposit. Chile

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March 2025

**A Transformative Silver-Copper-Manganese Asset** 

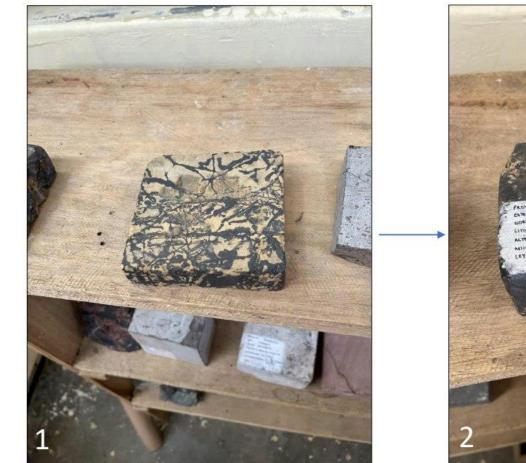
Ralph Rushton President, CEO & Director M. +1 604 307 0055 <u>ralphr@aftermathsilver.com</u>

Michael Williams Executive Chairman <u>mw@aftermathsilver.com</u>



### **Berenguela: MnOx replacement mineralization**





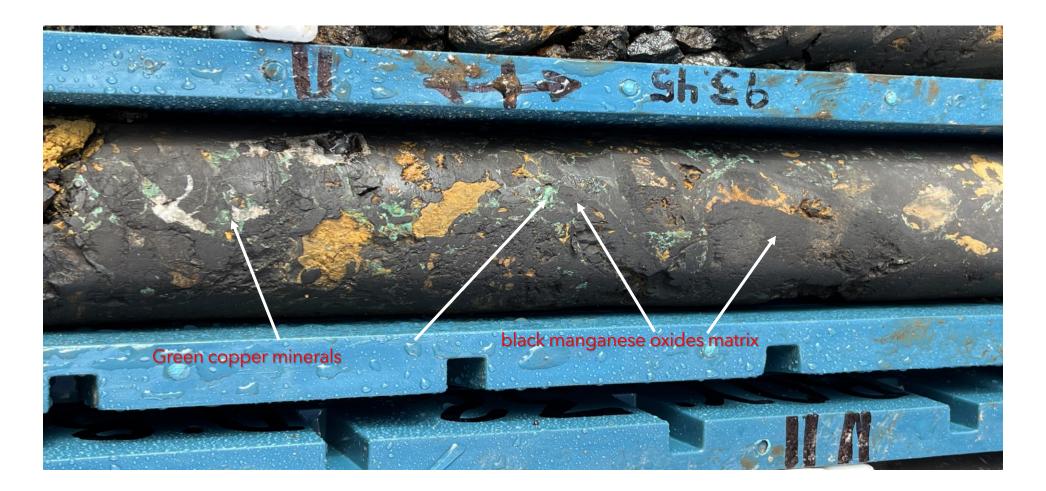




Progressive MnOx replacement of dolomite host rock along joints and fractures: (1) least intense to (3) complete replacement by massive MnOx A carbonate-replacement deposit

### **Berenguela - Deposit and Mineralization**

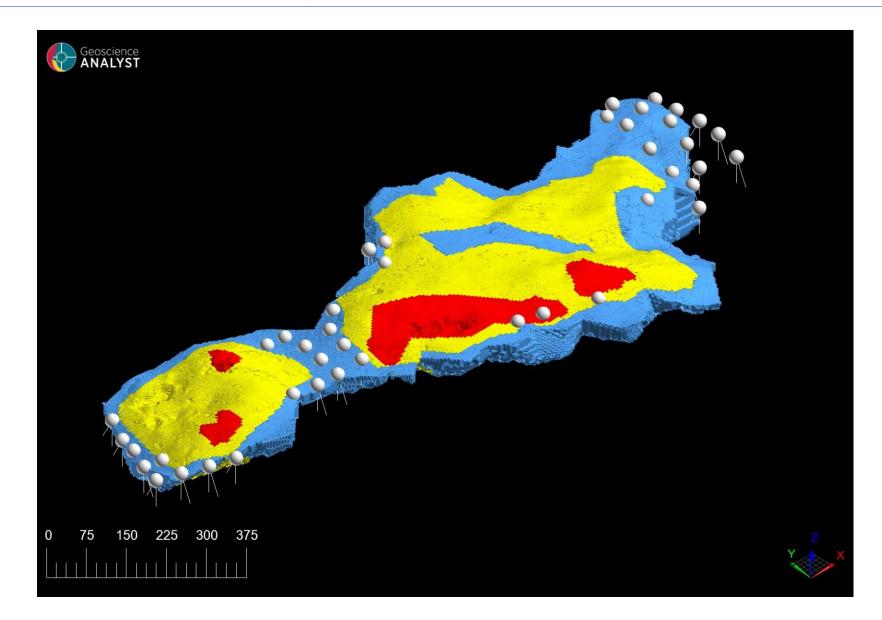




Silver and copper (green) mineralization is hosted within a manganese oxide matrix (black)

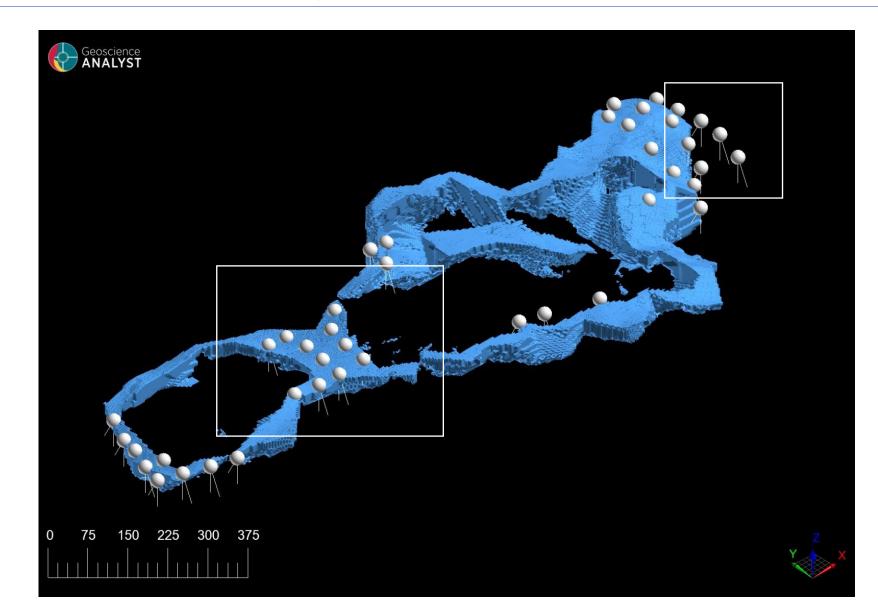
### **Berenguela - Current Drilling**





## **Berenguela - Current Drilling**





## **Berenguela - Project Overview**



- Ag-Cu-Mn Carbonate replacement deposit with potential for porphyry mineralization.
- Mineralization at surface
- 10,157 hectares
- 386 drill holes to date, phase 2 underway (4,000m)
- Metallurgical work underway to confirm flow sheet for silver doré, copper cathode, manganese sulphate production
- Large manganese component



# Aftermath

## Appendix A

#### Ownership

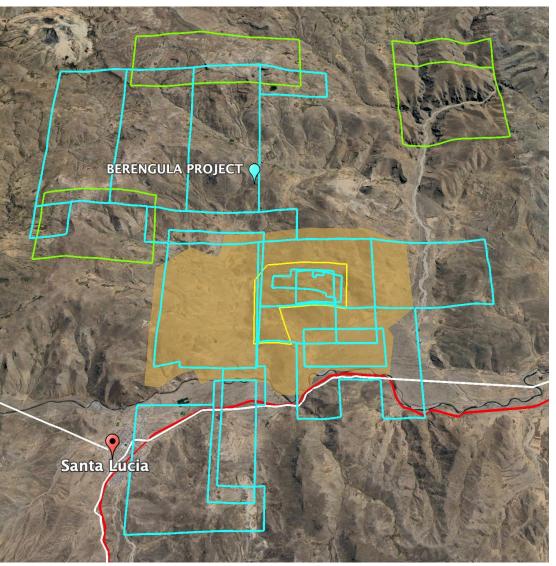
- Aftermath earn-in for 100% 17 mining concessions 7,357 ha (blue)
- Aftermath Silver 100% 4 Claims 2,800 ha (green)

CIRA – (yellow)

Land Access Area Agreement– (brown)

#### **Royalties**

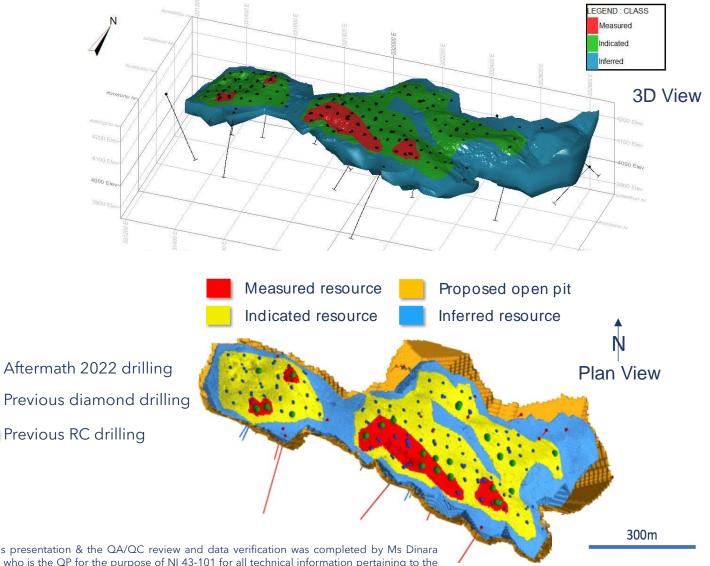
- EMX Royalties:
  - 1% NSR, on all mineral production when silver <= to \$25/oz
  - 1.25% NSR on all mineral production when:
    - the silver > \$25/oz
    - copper > \$2 per pound.
- Kappes, Cassiday and Associates:
  - 2% NSR Royalty capped at \$3 million on all copper production
- . Minera Silex del Peru S.R.L.:
  - 2.5% NSR Royalty on any minerals produced on certain 4 concessions





### **Berenguela - Deposit Resource Block Model**

- Current 3-D block modelling outlines a robust deposit
- Deposit outcrops at surface and is potentially amenable to an open pit mining operation



#### **Mineral Resources**

The Mineral Resource estimate for Berenguela in this presentation & the QA/QC review and data verification was completed by Ms Dinara Nussipakynova, P.Geo., Principal Geologist with AMC who is the QP for the purpose of NI 43-101 for all technical information pertaining to the current Mineral Resource. Further details supporting the geological model, estimation procedure and metallurgical testwork are available in the technical report (the "Berenguela Technical Report") on the Berenguela Silver-Copper-Manganese Project, located in Peru ("Berenguela") pursuant to National Instrument 43-101 *Standards of Disclosure for Mineral Projects* ("NI 43-101") under the Company's profile on SEDAR.

### Berenguela - MnSO<sub>4</sub> Metallurgical Test Work



• Metallurgical Test Work Achieves 99.9% Pure Battery Grade Manganese Sulphate Monohydrate



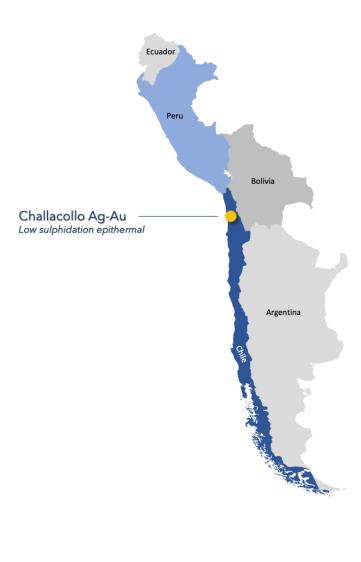


### Appendix B - History



1903	Grundy	Grundy family carried out selective mining in area
1906	Lampa Mining Company Limited	Acquired Berenguela from Grundy
1965	Lampa Mining Company Limited	Ceased operations
1965-66	ASARCO	Executed a purchase option, which was terminated in September 1966
1966-68	Cerro de Pasco Corporation	Took an option to purchase which was terminated in November 1968
1968-70	Charter Consolidated Limited	Option to purchase
1970	Lampa Mining Company Limited	Lost ownership of the Property, and it reverted to the state
1972	Minero Perú S.A.	Ownership passed to Minero Perú, a state-owned company
1995	Kappes, Cassiday & Associates	Purchased through competitive bid and SOMINBESA formed
2004	Silver Standard	Option Agreement with SOMINBESA
2006	Silver Standard	Met option criteria and KCA transferred its shares of SOMINBESA
2017	Valor	Signed an agreement to purchase SOMINBESA
2017-18	Valor	Carried out drilling programs, then sought JV partner
2019	Rio Tinto	Carried out exploration as part of JV option
2020	Valor	Unable to meet cash payments so property reverted to Silver Standard
2020	Aftermath	Agreement to purchase





Classification	Material Type	Tonnes (Kt)	Silver (g/t)	Gold (g/t)	Silver (Koz)	Gold (Koz)
	Open Pit	5,597	170	0.27	30,639	49
Indicated	Underground	1,043	134	0.29	4,510	10
	TOTAL	6,640	165	0.27	35,150	58
Inferred	Open Pit	2,360	117	0.15	8,912	11
	Underground	443	157	0.26	2,232	4
	TOTAL	2,803	124	0.17	11,144	15

For full details see NI 43-101 technical report titled "*Challacollo Silver-Gold Mineral Resource Estimate*" By Qualified Persons J.M. Shannon, (P.Geo), D. Nussipakynova (P.Geo), S. Alvarado (Chilean Mining Commission), B. Mulvihill (MAusIMM CP Met) dated February 5, 2021, with an effective date December 15, 2020, filed on the Aftermath Silver SEDAR profile.

#### Notes on the Challacollo Mineral Resource Estimate

- CIM Definition Standards (2014) were used for reporting the Mineral Resources.
- The effective date of the estimate is 30 November 2020.
- The Qualified Person is Dinara Nussipakynova, P.Geo., of AMC Mining Consultants (Canada) Ltd.
- Mineral Resources are constrained by an optimized pit shell at a long-term metal price of US\$20/oz Ag with recovery of 92% Ag and metal price of US\$1,400/oz Au with recovery of 75%.
- Silver equivalency formula is AgEq (g/t) = Ag (g/t) + 57.065 \*Au (g/t).
- The open pit mineral resources are based on a pit optimization using the following assumptions:
  - Plant feed mining costs of US\$3.5/t and waste mining cost of \$2.5/t.
  - Processing costs of US\$17/t and General and Administration costs of \$2.5/t.
  - Edge dilution of 7.5% and 100% mining recovery.
  - 45-degree slope angles
  - Cut-off grade is 35 g/t AgEq g/t.
- The underground mineral resources are reported within Datamine MSO stopes based on the following assumptions:
  - Mining costs of US\$35/t.
  - Processing costs of US\$17/t and General and Administration costs of US\$2.5/t.
  - Minimum width of 2.5 m
  - No dilution or mining recovery.
  - Cut-off grade is 93 AgEq g/t
- Bulk density used was 2.47 t/m3
- Drilling results up to 31 December 2016.
- Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.
- The numbers may not compute exactly due to rounding.
- Mineral Resources are depleted for historic mined out material.

Aftermath



- Silver-gold epithermal vein/breccia system.
- Conceptual open pit.
- Open down dip and along strike.
- Recently completed Mineral Resource estimate.
- Grid power 12km north & 30km south.
- 12l/s water extraction rights.
- 30km off the Pan American highway at 1,500m.



37

27