TSX.V:AAG - OTCQX:AAGFF

**Investor Presentation** October, 2022.

# THE RIGHT COMBINATION.

Aftermath SILVER

000

C

#### **Important Information**

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

This presentation is not directed to, or intended for distribution to or use by, any person or entity that is a citizen or resident or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or which would require any registration or linensing within such jurisdiction. 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 Aftermath Silver, nor shall it or any part of it form the basis of or be relied on in connection with any contract or commitment whatsoever.

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 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 materially, or should any underlying assumptions inherent in the forward-looking statements are not guarantees of future performance and accordingly undue reliance should not be put on such statements are not guarantees. For more information the reader is referred to the Company's filings with the Canadian securities regulators for disclosure regarding these and other risk factors, accessible through Aftermath Silver believes that assumptions nucleare to the any forward-looking statement.

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 of 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 Resource 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.

#### **Historic Mineral Resources**

Slide 12 of this presentation quotes an <u>Historic Mineral Resource</u> for Berenguela. Please note, an independent "Qualified Person", as defined in National Instrument 43-101 ("NI 43-101"), has not yet completed sufficient work on behalf of Aftermath to classify the historical estimate as a current Indicated or Inferred Mineral Resource and Aftermath is not treating the historical estimate as a current Mineral Resource. Aftermath Silver will need to validate previous work to produce a mineral resource that is current for CIM purposes. Other details on the Berenguela Project see An NI 43-101 Technical Report on the Berenguela property titled "Berenguela Silver-Copper-Manganese Property Update" was 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.

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

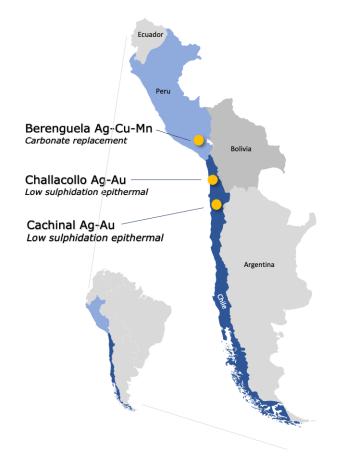
This presentation has been prepared in accordance with the requirements of Canadian National Instrument 43-101 - Standards of Disclosure for Mineral Projects ("NI 43-101") and the Canadian Institute of Mining, Metallurgy and Petroleum Definition Standards, which differ from the requirements of U.S. securities 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.



### **Aftermath Silver**



Silver-focused junior with 1 project in Peru & 2 in Chile Exposure to both copper and manganese: "green metals" Flagship project is Berenguela in Peru: Ag-Cu-Mn Key projects geologically well understood Clear path forward for Berenguela & Challacollo

Agreement reached for sale of Cachinal

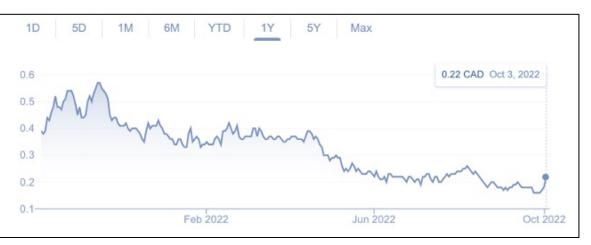


### **Share Structure & Performance**

#### **Share Structure**

Symbol	TSX: AAG.V OTCQX: AAGFF				
Issued & Outstanding	142.91m				
Warrants	14.97m 11.51m 169.4m*				
Options					
Fully Diluted					
Volume / day: 193k T 150k C					
Largest share holder:	Eric Sprott, 24m shares				
Management:	Approx. 4% of issued				
Cash:	Approx. <\$0.5m				
Cash from warrants:	C\$3.25m				

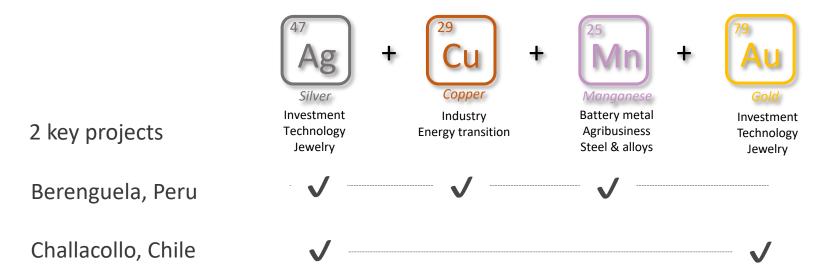
12 Month Share Price TSX.V AGG.V and OTCQX AAGFF (October 3, 2022)





### Aftermath Silver

Our Value Proposition: Critical metals, multiple projects





# **Recent Developments**

- ✓ Results of 63 Berenguela drill holes published: v. high Ag + Cu grades locally.
- ✓ Completion of Challacollo acquisition from Mandalay (Aug 10, 2022)
- ✓ Agreed sale of Cachinal Ag-Au project in Chile to Honey Badger Silver for cash and shares
- ✓ Initiation of new resource estimate for Berenguela, planning for met test work.



### **Berenguela Silver-Copper-Manganese Project**



- ✓ 1.3km along strike by 200-400m width; not fully explored
- ✓ Mineralization at surface. Potential for open-pit mining.
- ✓ Rail, power, road access & water all within 5-6km of project



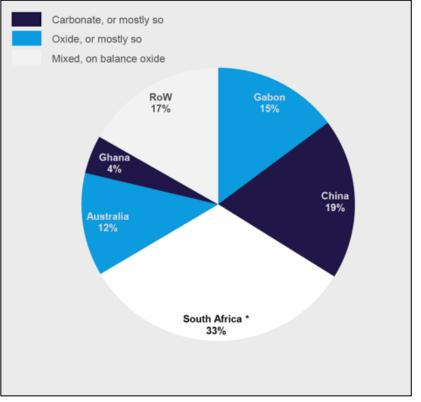
# What Is Manganese?

A hard silvery transition metal, symbol Mn, atomic number 25. Highly reactive.

Never occurs on Earth as native metal. Always as oxides, carbonates, silicates, sulphides etc.

Many uses: steel alloys, fertilizers, batteries

- Roughly 90% of Mn used in steel making as an alloying metal.
- Other products (MnSO<sub>4</sub>, EMD, EMM) comprise ca. 11% of global consumption



Regional Mn production by ore type & production share. Source: CRU



# **Manganese in Batteries**

- ✓ Used in new-generation battery technology: light & heavy-duty vehicle batteries, drones, industrial batteries, energy storage (grid & residential), portable devices.
- ✓ Electric vehicle global sales growth roughly 20% CAGR out to 2030.
- ✓ NMC batteries (nickel-manganese-cobalt) important for long-range vehicles.
- ✓ Industry shift to NMC battery chemistries which consume BG\* MnSO<sub>4</sub> due to their cost effectiveness, scalability, relative safety, and range.
- ✓ Demand outlook for BG  $MnSO_4$  is strong out to 2030.



# **Manganese Chemicals**

#### MnSO<sub>4</sub>

Manganese sulphate

- Intermediate step in production of EMD
- Feed / fertilizer & fungicide
- Other chemicals
- Used as battery grade MnSO4

*ca.* \$500/ T Agri Grade US\$1,150/T Battery Grade

#### EMD

Electrolytic Manganese Dioxide

- Produced by electrolysis of MnSO4 solution.
- Contains >90% MnO2

US\$2,750/T

• Used in alkaline and rechargeable batteries

#### EMM

#### Electrolytic Manganese Metal

Afterma

- Mn alloys
- Electronics
- Stainless steel
- Chemicals

#### US\$2,400/ T

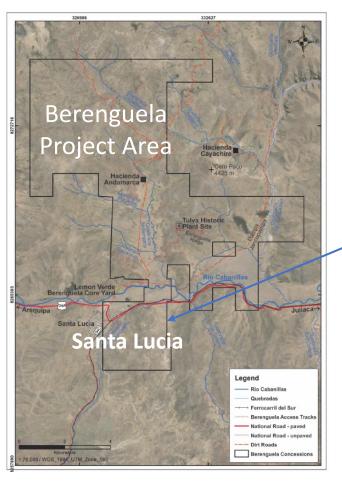
#### How is MnSO<sub>4</sub> manufactured?

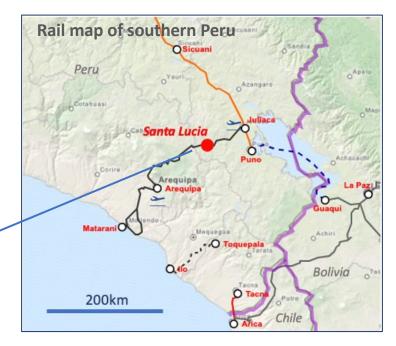


SOURCE: CRU, simplified process flow diagram

Source for pricing: https://price.metal.com/Manganese

#### **Berenguela: Department of Puno**





#### Santa Lucia – 6km from Berenguela

- Arequipa 204km southwest. Juliaca 50km east.
- Rail line connecting to Port of Matarani.
- Connected to power.



#### **Berenguela Historic Mineral Resource\***

Between 2004 to 2020, 291 RC and 32 diamond drill holes totalling approximately 36,473 m in length have been drilled on the property. In addition, AAG has completed (to date) 63 diamond core holes up to May 17, 2022 (6,170m) not included in the historic resource.

Classification	Material Type	Tonnes (Kt)	Silver (g/t)	Copper (%)	Manganese (%)	Zinc (%)	Silver (Koz)	Copper (Klb)
Indicated	Open Pit	7.71	104	0.99	8.68	0.34	25,717	168,040
Measured	Open Pit	28.23	80	0.73	5.16	0.30	73,009	456,465
	TOTAL	35.93	85	0.79	5.91	0.30	98,725	624,505
Inferred	Open Pit	9.97	88	0.67	2.14	0.20	28,183	147,242

\*The Company cautions that an independent Qualified Person ("QP"), as defined in National Instrument 43-101 ("NI 43-101"), has not yet completed sufficient work on behalf of Aftermath Silver to classify the historic estimate as a current Measured, Indicated or Inferred Mineral Resource, and Aftermath Silver is not treating the historical estimate as a current Mineral Resource. Aftermath Silver will need to validate previous work to produce a mineral resource that is current for CIM purposes.

Further details on the Berenguela Project see NI 43-101 Technical Report on the Berenguela property titled "Berenguela Silver-Copper-Manganese Property Update" was 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.

#### Notes on the Berenguela Historic Mineral Resource Estimate

- For full details see Valor Resources news release dated 30 January 2018 to the Australian Stock Exchange (ASX), which summarises the results presented in report titled "Technical Report and Updated Resource Estimate on the Berenguela Project, Department of Puno – Peru, JORC – 2012 Compliance" to Valor Resources by Mr Marcelo Batelochi, independent consultant, MAusIMM Competent Person
- 2. JORC 2012 definitions were followed for the Historic Mineral Resources.
- 3. Grades are estimated by the Ordinary Kriging interpolation method using capped composite samples.
- 4. Bulk density has been estimated by Nearest Neighbour method and the average value is 2.82g/cm3.
- 5. The Historic Mineral Resources uses a copper equivalent cut off of 0.5%, copper equivalents ("CuEq") were based on the formula CuEq (%) = Cu (%) + ((Ag (g/t) / 10000) in ounces x Ag price x silver recovery) / (Cu price x Cu recovery) / (Cu price x Cu recovery). Assuming: Ag price \$16.795/oz and Zn \$3,150/t and recoveries of Ag 50%, Cu 85% and Zn 80%. Mn grades are not considered for CuEq calculations.

Aftermat

6. Numbers may not add/multiply due to rounding.

### Berenguela. One of Latin America's Best Undeveloped Projects

Rail line: Approx. 350km to Matarani port

±5km

Santa Lucia

Limon Verde core yard

Historic workings

#### **Berenguela Mineralization**

#### Silver and copper associated with manganese in MnOx replacement of host rock

Silver Copper Mangan = acanthite and some native silver, locally >1kg/t Ag

er = malachite, azurite, covellite, chalcopyrite, chrysocolla

Manganese = black oxides psilomelane / pyrolusite.



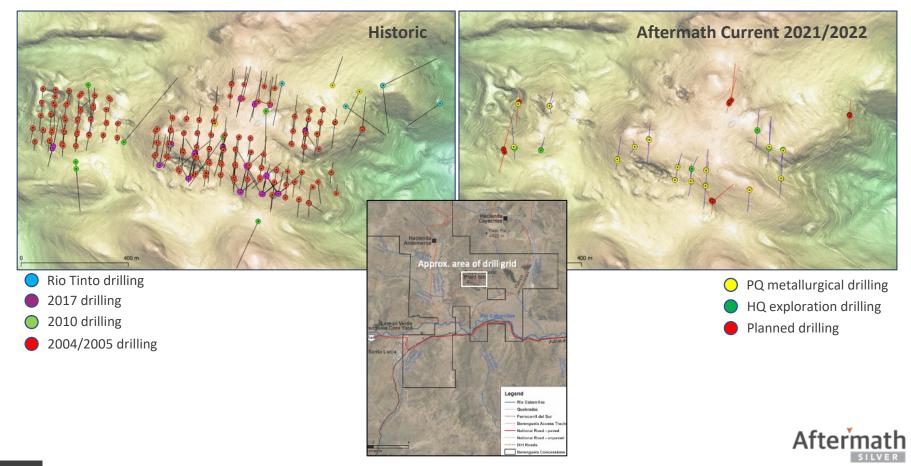
Progressive MnOx replacement of dolomite host rock along joints and fractures: (1) least intense to (3) complete replacement by massive MnOx Aftermath

# **Copper at Berenguela**

### Malachite in manganese oxides

20

### **Berenguela: Historic & Current Drilling**



### **2022 Drill Result Highlights**

All holes released to date have cut Ag + Cu + Mn mineralization. Highest grade intercepts to date:

AFD 005: 53.3m @ 256 g/t Ag + 1.29% Cu inc. 9m @ 781 g/t Ag + 1.26% Cu
AFD 004: 56.3m @ 195 g/t Ag + 1.74% Cu inc. 5m @ 627 g/t Ag + 0.99% Cu
AFD 034: 65.2m @ 408 g/t Ag + 0.91% Cu inc. 19m @ 1,162 g/t Ag + 1.12% Cu
AFD 020: 56.7m @ 253 g/t Ag + 1.19% Cu inc. 8m @ 804 g/t Ag + 0.45% Cu
AFD 029: 99.2m @ 188 g/t Ag + 1.70% Cu inc. 20m @ 268 g/t Ag + 2.95% Cu
AFD 048: 35.9m @ 508 g/t Ag + 1.11% Cu inc. 8.7m @ 1,010 g/t Ag + 1.48% Cu

Lowest grade intercept to date 7.9m @ 24g/t Ag + 0.74% Cu from 116m downhole in AFD-022

# **2022 Drilling Twinning Program Implications**

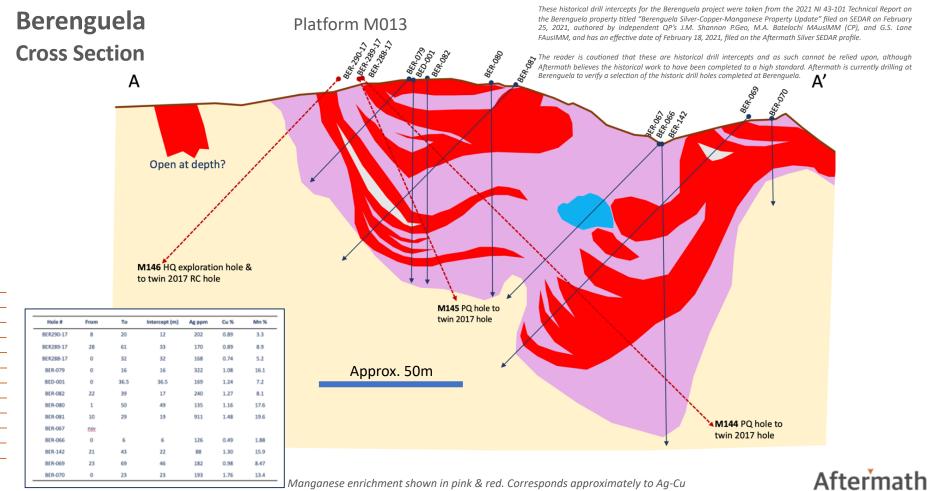
Full details of the QA/QC drilling program are reported here: https://aftermathsilver.com/projects/berenguela/plans-and-sections/

• Multiple holes twinned historic 2004/05 RC holes which had voids, poor sample recovery

#### Twinned holes crucial for the planned resource estimate

- Current drilling returned hi 90% core recoveries.
- In some cases, voids in the historic RC were not encountered in current drilling
- Preliminary results show grades equal to or higher than historic. Only one significant grade reduction in 16 twinned holes so far.
- Reduces grade smearing in RC holes.
- New holes will replace twinned RC holes in the resource estimate.





*enrichment envelope. Intercept grades rounded to nearest decimal place.* 

SILVER

#### **Berenguela: The Next 6-12 Months**



A clear path forward with key milestones

Transitioning to NI43-101 resource, met' test work & PEA

- Complete & publish NI43-101 current resource estimate (Q3?)
- Restart metallurgical test work & confirm process route.
- Incorporate all of the above into a PEA for delivery in H2 2023?
- Permit & drill exploration targets.



### **Berenguela ESG\* & Carbon Footprint Advantages**

#### **Mining** (to be investigated via a PEA)

- Mineralization comes to surface, so potentially open-pittable
- Peru has low power costs. 63% of Peruvian power generation from hydro (cf. Canada 59%)
- Project is not remote: 6km from rail line. Potential to reduce trucking requirements.
- AAG met test work to investigate a chemical process route

#### Commodities

- Silver-copper-manganese future facing metals -all critical for green-tech applications
- Mn –battery tech & agricultural applications

#### **Community & Social**

- Local support: Santa Lucia has a history of providing skilled labour for mining
- Scope for facilitating local business development to support a future mining project



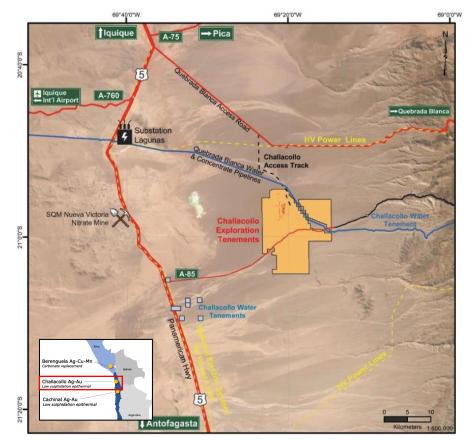
# Challacollo Ag-Au Project, Northern Chile



- ✓ Silver-gold epithermal vein/breccia system.
- $\checkmark$  100% owned by AAG.
- ✓ Recently completed NI43-101 mineral resource estimate.
- ✓ Grid power 12km north & 30km south.
- ✓ 12I/s water extraction rights.
- ✓ 30km off the Pan American highway at 1,500m.
- ✓ Drill permitting underway.



# Infrastructure



- Accessed via Teck's Quebrada Blanca mine road.
- Paved road, passes through concessions 6km south.
- Powerlines located 12km north & 30km southeast..
- Teck granted easement through Challacollo for desal' water and concentrate pipelines.
- Ground water licences located 30km southwest.



#### Challacollo Current Mineral Resource Dec. 2020

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
	Open Pit	2,360	117	0.15	8,912	11
Inferred	Underground	443	157	0.26	2,232	4
	TOTAL	2,803	124	0.17	11,144	15

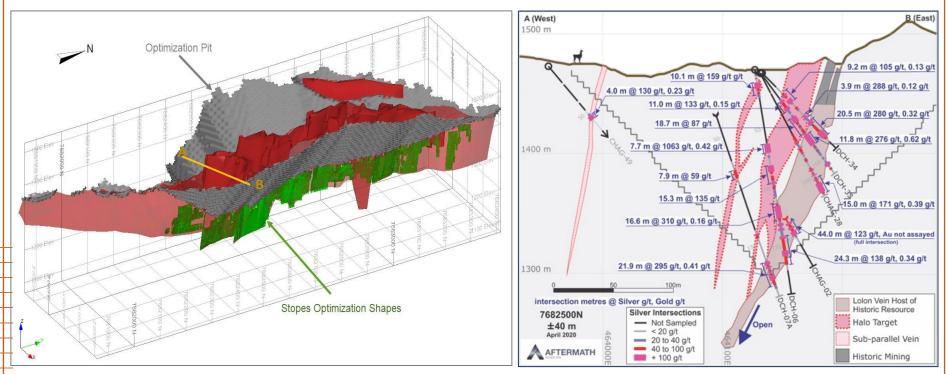
For full details see NI 43-101 technical report titled "*Challacollo Silver-Gold Mineral Resource Estimate*" By Qualified Persons J.M. Shannon, (P.Geo), D. Nussipakynova (P.Geo), S. Alvarado (Chilean Mining Commission), B. Mulvihill (MAusIMM CP Met) dated February 5, 2021, with an effective date December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



### Challacollo Current Mineral Resource Dec. 2020



3D view of constrained open pit Mineral Resources shown in red, constrained underground Mineral Resources shown in green, the modeled extent of the Lolón Structure is shown in light red.

### **Planned Work At Challacollo**



- Complete permitting of drill program & select contractor.
- Restart metallurgical test work & confirm process route.
- Incorporate future drilling into revised resource estimate.
- Identify additional water sources.
- Incorporate all of the above into a PEA for delivery in 2023



#### Cachinal Ag-Au Project Terms agreed for sale to Honey Badger Silver.

- **Shares:** C\$1,000,000 in shares of Honey Badger on closing.
- **Cash:** C\$1.625m in staged payments over 18 months.
- NSR: 1% Net Smelter Return Royalty with a buyback for C\$8.5m.
- Production Payments: On commercial production, Aftermath receives C\$0.50 / Ag Oz produced capped at C\$2m

# **News Flow: Medium term**

- Reporting assays from the last 27 holes of the Berenguela drilling.
- Publish a current NI43-101 resource for Berenguela.
- Start up of metallurgical test work, once NI43-101 is complete.
- Closing of sale of Cachinal project.
- Closing of purchase of 100% of Challacollo project.

# **Aftermath Silver Take-Aways**

Leading silver junior development company. Tremendous leverage to the price of silver. Two resource stage projects with open pit potential. Significant exposure to critical metals copper and manganese. Opportunity to capitalize on current valuation TSX.V:AAG - OTCQX:AAGFF

Investor Presentation May, 2022. 121 New York

# THE RIGHT COMBINATION.

Ralph Rushton President, CEO & Director ralphr@aftermathsilver.com

Mike Williams Exec. Chairman & Director mw@aftermathsilver.com

# Aftermath