



PAN AMERICAN
— SILVER —

THE WORLD'S PREMIER SILVER MINING COMPANY

NYSE | TSX
PAAS

PRESENTATION // MAY 2025

CAUTIONARY NOTE

Non-GAAP Measures

This presentation of Pan American Silver Corp. and its subsidiaries (collectively, "Pan American", "Pan American Silver", the "Company", "we" or "our") refers to various non-GAAP measures, such as "AISC", "adjusted earnings" and "basic adjusted earnings per share", "total debt", and "working capital". These measures do not have any standardized meaning prescribed by IFRS and are therefore unlikely to be comparable to similar measures presented by other companies. "AISC" means all-in sustaining costs per silver or gold ounce sold, net of by-product credits (respectively, the "Silver Segment AISC" or "Gold Segment AISC").

Readers should refer to the "Alternative Performance (Non-GAAP) Measures" section of the Company's Management's Discussion and Analysis ("MD&A") for the period ended March 31, 2025, available at www.sedarplus.ca and at www.sec.gov/edgar.

Reporting Currency and Financial Information

Unless we have specified otherwise, all references to dollar amounts or \$ are to United States dollars.

Cautionary Note Regarding Forward Looking Statements and Information

Certain of the statements and information in this presentation constitute "forward-looking statements" within the meaning of the United States Private Securities Litigation Reform Act of 1995 and "forward-looking information" within the meaning of applicable Canadian provincial securities laws. All statements, other than statements of historical fact, are forward-looking statements or information. Forward-looking statements or information in this presentation relate to, among other things: future financial or operational performance; operating outlook for 2025, including, but not limited to production, AISC and expenditures; statements regarding the investments in capital projects, including at La Colorada, Jacobina, Timmins, and Huaron, and any anticipated benefits therefrom; statements with respect to the

optimization study at Jacobina and any anticipated benefits therefrom; statements regarding future silver supply and demand; expected dividend payments and shareholder returns; and Pan American's plans and expectations for Pan American's properties and operations.

These forward-looking statements and information reflect Pan American's current views with respect to future events and are necessarily based upon a number of assumptions that, while considered reasonable by Pan American, are inherently subject to significant operational, business, economic and regulatory uncertainties and contingencies. These assumptions include: tonnage of ore to be mined and processed; future anticipated prices for gold, silver and other metals and assumed foreign exchange rates; the timing and impact of planned capital expenditure projects, including anticipated sustaining, project, and exploration expenditures; the ongoing impact and timing of the court-mandated ILO 169 consultation process in Guatemala; ore grades and recoveries; capital, decommissioning and reclamation estimates; our mineral reserve and mineral resource estimates and the assumptions upon which they are based; prices for energy inputs, labour, materials, supplies and services (including transportation); no labour-related disruptions at any of our operations; no unplanned delays or interruptions in scheduled production; all necessary permits, licenses and regulatory approvals for our operations are received in a timely manner; our ability to secure and maintain title and ownership to mineral properties and the surface rights necessary for our operations; whether Pan American is able to maintain a strong financial condition and have sufficient capital, or have access to capital through our credit facility or otherwise, to sustain our business and operations; and our ability to comply with environmental, health and safety laws. The foregoing list of assumptions is not exhaustive.

Pan American cautions the reader that forward-looking statements and information involve known and unknown risks, uncertainties and other factors that may cause actual results and developments to differ materially from those expressed or implied by such forward-looking statements or information contained in this presentation and Pan American has made assumptions and estimates based on or related to many of these factors. Such factors include, without limitation: fluctuations in silver, gold and base metal prices; fluctuations in prices for energy inputs, labour, materials, supplies and services (including transportation); fluctuations in currency markets; operational risks and hazards inherent with the business of mining (including environmental accidents and hazards, industrial accidents, equipment breakdown, unusual or

unexpected geological or structural formations, cave-ins, flooding and severe weather); risks relating to the credit worthiness or financial condition of suppliers, refiners and other parties with whom Pan American does business; inadequate insurance, or inability to obtain insurance, to cover these risks and hazards; employee relations; relationships with, and claims by, local communities and indigenous populations; our ability to obtain all necessary permits, licenses and regulatory approvals in a timely manner; changes in laws, regulations and government practices in the jurisdictions where we operate, including environmental, export and import laws and regulations; changes in national and local government, legislation, taxation, controls or regulations and political, legal or economic developments in Canada, the United States, Mexico, Peru, Argentina, Bolivia, Guatemala, Chile, Brazil or other countries where Pan American may carry on business, including legal restrictions relating to mining, risks relating to expropriation and risks relating to the constitutional court-mandated ILO 169 consultation process in Guatemala; unanticipated or excessive tax assessments or reassessments in our operating jurisdictions; diminishing quantities or grades of mineral reserves as properties are mined; increased competition in the mining industry for equipment and qualified personnel; those factors identified under the caption "Risks Related to Our Business" in Pan American's most recent Form 40-F and Annual Information Form filed with the United States Securities and Exchange Commission ("SEC") and Canadian provincial securities regulatory authorities, respectively. Although Pan American has attempted to identify important factors that could cause actual results to differ materially, there may be other factors that cause results not to be as anticipated, estimated, described or intended. Investors are cautioned against undue reliance on forward-looking statements or information. Forward-looking statements and information are designed to help readers understand management's current views of our near- and longer-term prospects and may not be appropriate for other purposes. Pan American does not intend, nor does it assume any obligation to update or revise forward-looking statements or information, whether as a result of new information, changes in assumptions, future events or otherwise, except to the extent required by applicable law.

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C O N T I N U E D

NOT AN OFFER OR A SOLICITATION

THIS PRESENTATION DOES NOT CONSTITUTE (AND MAY NOT BE CONSTRUED TO BE) A SOLICITATION OR OFFER BY PAN AMERICAN OR ANY OF OUR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES, REPRESENTATIVES OR AGENTS TO BUY OR SELL ANY SECURITIES OF ANY PERSON IN ANY JURISDICTION, OR A SOLICITATION OF A PROXY OF ANY SECURITYHOLDER OF ANY PERSON IN ANY JURISDICTION, IN EACH CASE, WITHIN THE MEANING OF APPLICABLE LAWS.

Technical Information

Scientific and technical information contained in this presentation has been reviewed and approved by Martin Wafforn, P.Eng., Senior Vice President Technical Services and Process Optimization, and Christopher Emerson, FAusIMM, Senior Vice President Exploration and Geology, each of whom are Qualified Persons, as the term is defined in Canadian National Instrument 43-101 - *Standards of Disclosure for Mineral Projects*. For additional information about Pan American's material mineral properties, please refer to Pan American's most recent Annual Information Form filed at www.sedarplus.ca, or Pan American's most recent Form 40-F filed with the SEC.

Cautionary Note to U.S. Investors Concerning Estimates of Mineral Reserves and Resources

Unless otherwise indicated, all reserve and resource estimates included in this presentation have been prepared in accordance with Canadian NI 43-101 and the Canadian Institute of Mining, Metallurgy and Petroleum (the "CIM") — *CIM Definition Standards on Mineral Resources and Mineral Reserves*, adopted by the CIM Council, as amended (the "CIM Standards"). 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 standards, including NI 43-101, differ significantly from the requirements of the SEC, and reserve and resource information included herein may not be comparable to similar information disclosed by U.S. companies. In particular, and without limiting the generality of the foregoing, this presentation uses the terms "measured resources," "indicated resources" and "inferred resources" as defined in accordance with NI 43-101 and the CIM Standards. U.S. investors are advised that, while such terms are recognized and required by Canadian securities laws, the SEC does not recognize them. The requirements of NI 43-101 for identification of "reserves" are not the same as those of the SEC and may not qualify as "reserves" under SEC standards. Under U.S. standards, mineralization may not

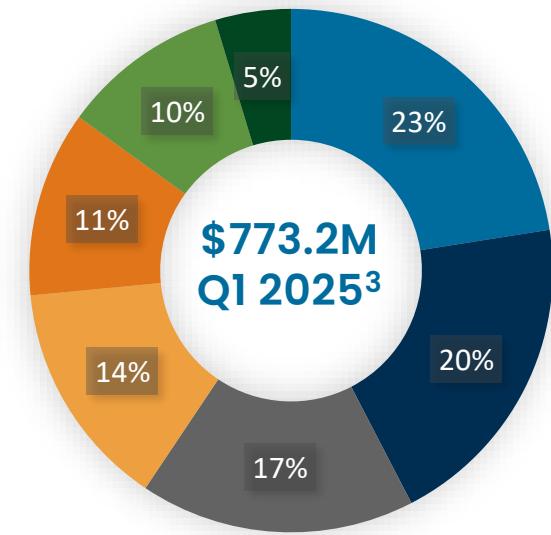
be classified as a "reserve" unless the determination has been made that the mineralization could be economically and legally produced or extracted at the time the reserve determination is made. U.S. investors are cautioned not to assume that any part of an "indicated resource" will ever be converted into a "reserve". U.S. investors should also understand that "inferred mineral resources" have a great amount of uncertainty as to their existence and great uncertainty as to their economic and legal feasibility. It cannot be assumed that all or any part of "inferred resources" exist, are economically or legally mineable or will ever be upgraded to a higher category. Under Canadian securities laws, estimated "inferred mineral resources" may not form the basis of feasibility or pre-feasibility studies except in rare cases.

DIVERSIFIED ASSETS + GROWTH CATALYSTS

// Pan American's portfolio offers scale & quality in the Americas, where we have been operating for over 30 years



- 10 producing silver and gold operations
- Advancing an extensive mine optimization study at **Jacobina**
- Potential for silver growth: **La Colorada Skarn, Escobal & Navidad**
- Large silver & gold mineral reserves: 468 Moz Ag and 6.7 Moz Au¹



Revenue by Jurisdiction²

For the period ended March 31, 2025



- Chile
- Peru
- Brazil
- Mexico
- Canada
- Argentina
- Bolivia

1. Pan American estimated mineral reserves and mineral resources reported as of June 30, 2024, adjusted for the sale of the La Arena gold mine that was completed in the fourth quarter of 2024 ("Q4 2024"). See slides 41 - 46 for more detailed information on the Company's reserves and resources.
2. Figures may not sum to 100% due to rounding.
3. The first quarter of 2025 ("Q1 2025").

Q1 2025 TAKEAWAYS

// Adjusted Earnings of \$153.0 million (\$0.42 per share)¹

✓ **Production** of 5.0 million ounces silver and 182 thousand ounces gold

✓ **Record mine operating earnings** of \$250.8 million and \$112.6 million in free cash flow⁴

✓ **Silver Segment AISC** of \$13.94 per ounce and **Gold Segment AISC** of \$1,485 per ounce^{1,2}

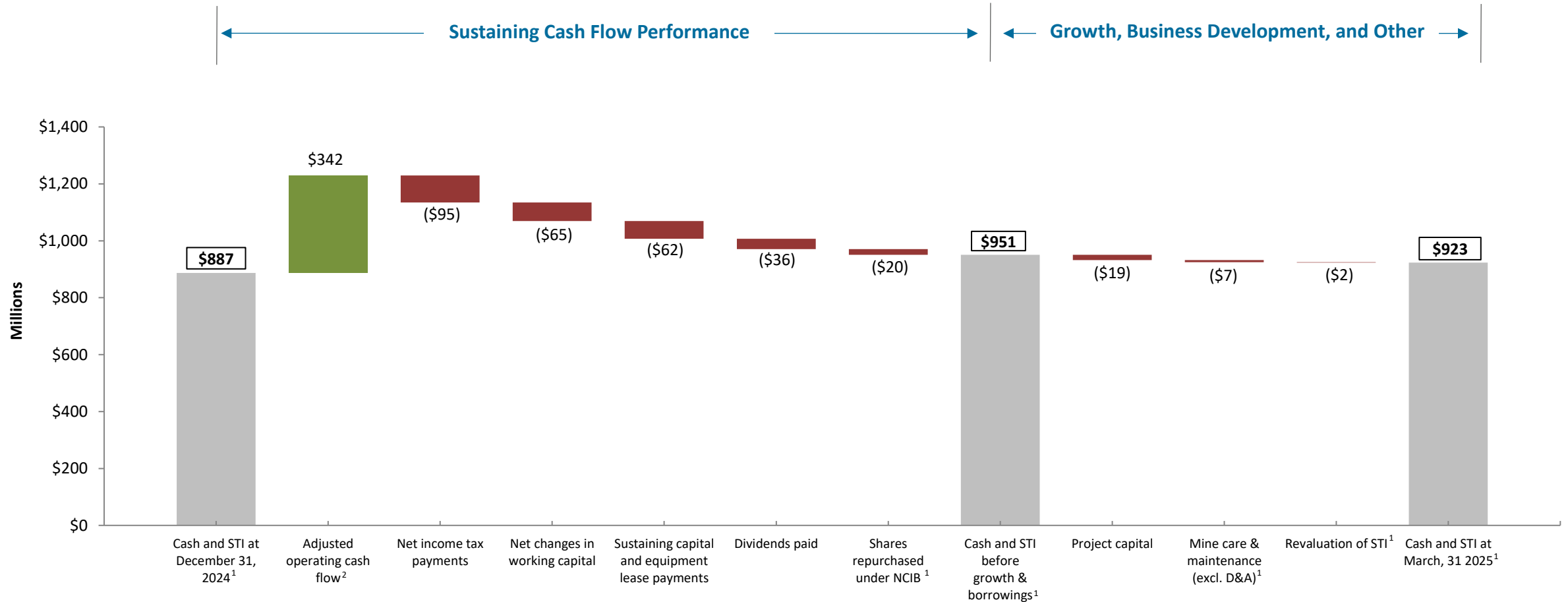
✓ **Strong financial position** with \$1.7 billion in Total Available Liquidity⁵

✓ **Maintaining 2025 Operating Outlook**³

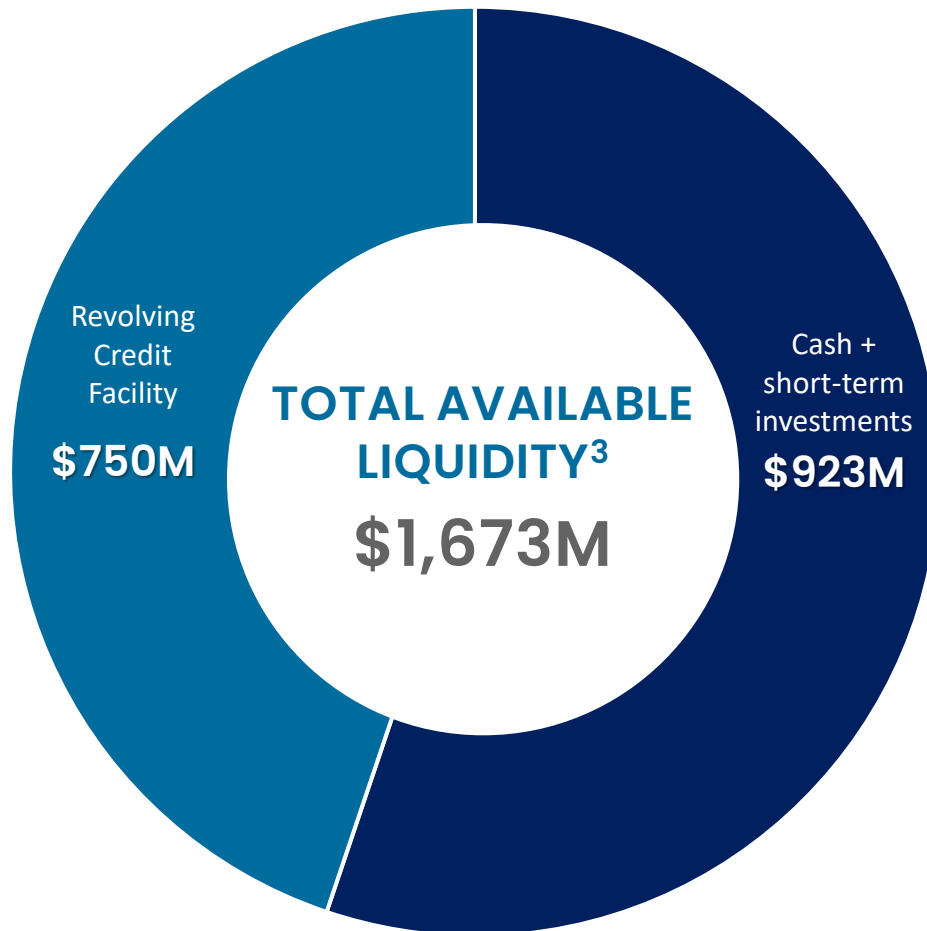
✓ **Declared and paid \$0.10 per share dividend** and repurchased for cancellation 909,012 shares⁶

1. Adjusted earnings, basic adjusted earnings per share, and AISC are non-GAAP financial measures. Please refer to the section “Alternative Performance (Non-GAAP) Measures” of the Management’s Discussion & Analysis (“MD&A”) for the period ended March 31, 2025 (“Q1 2025”), for a detailed description of these measures and where appropriate a reconciliation of the measure to Q1 2025 Financial Statements.
2. Gold Segment AISC excludes net realizable value (“NRV”) inventory adjustments.
3. Please see Pan American’s MD&A dated February 19, 2025, for further detail on the Company’s 2025 Operating Outlook, including the quarterly outlook for production and AISC.
4. Non-GAAP measures. Free Cash Flow is calculated as net cash generated from operating activities less sustaining capital expenditures.
5. Total Available Liquidity is a non-GAAP measure calculated as cash and cash equivalents plus short-term investments, plus undrawn amounts under the Revolving Credit Facility.
6. Please refer to the news release dated March 3, 2025 for more information on the renewal of the Normal Course Issuer Bid (“NCIB”).

Q1 2025 CONSOLIDATED CASH FLOWS



- "STI" means short-term investments, "D&A" means depreciation and amortization, and "NCIB" means Normal Course Issuer Bid. Please refer to the news release dated March 3, 2025 for more information on the renewal of the Normal Course Issuer Bid ("NCIB").
- "Adjusted operating cash flow" is a non-GAAP financial measure calculated as: net cash generated from operating activities before changes in working capital, income taxes paid, and mine care and maintenance (excl. D&A).



STRONG FINANCIAL POSITION

// Record cash and short-term investments balance in Q1¹

- ✓ Cash + short-term investments of \$923M
- ✓ Total debt² of \$804.4M primarily related to senior notes:
 - \$283M with 4.625% coupon maturing in December 2027
 - \$500M with 2.63% coupon maturing in August 2031
- ✓ Revolving Credit Facility undrawn with \$750M available

1. As at March 31, 2025.

2. Total debt is a non-GAAP measure calculated as the total current and non-current portions of: debt, including senior notes and amounts drawn on the Revolving Credit Facility, and lease obligations. The senior notes are carried at \$698.5 million and accreted to the face value over their respective terms using an effective interest rate of 5.52%.

3. Total Available Liquidity is a non-GAAP measure calculated as cash and cash equivalents plus short-term investments, plus undrawn amounts under the Revolving Credit Facility. See the "Non-GAAP Measures" section of our Cautionary Note on slide 2 of this presentation.

CAPITAL ALLOCATION APPROACH

// Pan American's priorities for deploying free cash flow

1 Maintain balance sheet flexibility, with low debt

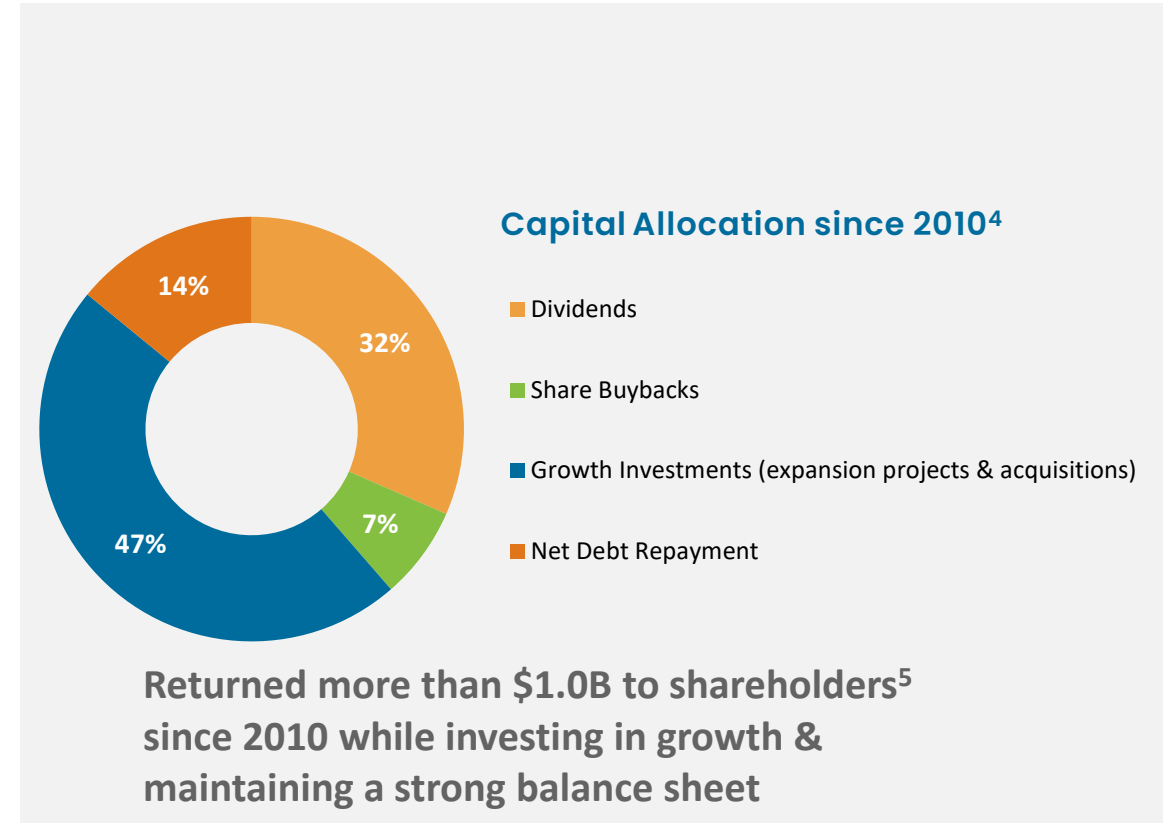
- Long-term Total Gross Leverage¹ target of below 1.0x
- Company has demonstrated a disciplined approach to returning below this target, reducing debt following the acquisitions of Tahoe Resources Ltd. and Yamana Gold Inc. ("Yamana")

2 Invest in high-return projects

- Undertake projects to optimize mining operations and provide future growth
- Capital expenditures funded through internal cash flows; no public equity offering since 2009

3 Return to shareholders: dividends and share buybacks

- Pan American has consistently paid a dividend since 2010
- Pan American's dividend framework pays a quarterly base cash dividend of \$0.10/share with a defined variable dividend linked to net cash²
- Share buyback introduced in March 2024 and renewed in March 2025, with a discretionary approach to repurchasing shares³



1. Gross Leverage is a non-GAAP measure calculated as Gross Debt divided by adjusted earnings before income taxes, interest and finance expense, depreciation and amortization, impairments, net realizable value inventory adjustments, purchase price allocation adjustments, closure and decommissioning adjustments ("Adjusted EBITDA"). See the "Non-GAAP Measures" section of our Cautionary Note on slide 2 of this presentation.

2. Net cash is calculated as cash and cash equivalents plus short-term investments, other than equity securities, less total debt. See the "Non-GAAP Measures" section of our Cautionary Note on slide 2 of this presentation. See slide in appendix titled "Shareholder Returns" for further details.

3. Please refer to the news release dated March 3, 2025 for details.

4. Capital allocation as at March 31, 2025 includes cash allocated to dividends, share buybacks, expansion capital and cash acquisition costs and net debt repayments. Figures may not sum to 100% due to rounding.

5. Return to shareholders is comprised of dividends and share buybacks for the period January 1, 2010 to March 31, 2025, including the dividend declared on February 19, 2025 and share buybacks conducted in Q1 2025 as at February 19, 2025.

STRONG TRACK RECORD OF ACCRETIVE ACQUISITIONS

// Successful integration of new operating assets and realization of synergies



404 koz

2018A Gold Production

~20 Moz

Silver Production Optionality¹

\$1.1B

Total Consideration²

\$25-30M

Annual Synergies³



Shahuindo
La Arena⁴
Timmins & Bell Creek
Escobal



565 koz

2022A Gold Production⁵

9.2 Moz

2022A Silver Production⁵

\$2.8B

Total Consideration⁶

~\$60M

Annual Synergies⁷

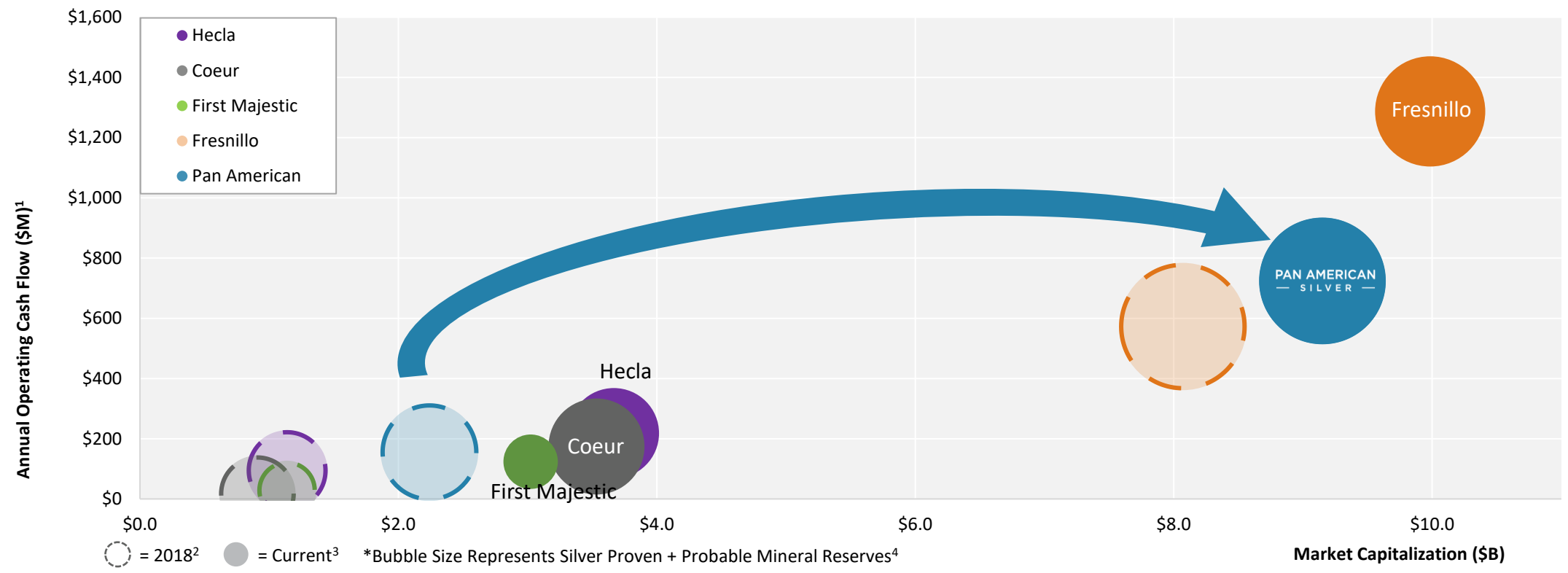


Jacobina
El Peñon
Minera Florida
Cerro Moro

1. Based on silver production from Escobal prior to the mine being placed on care and maintenance since 2017.
2. Comprised of \$275M cash, 56M shares, and ~314M contingent value rights.
3. Annual G&A synergies as indicated in Pan American's 2019 Annual Report.
4. Pan American completed the sale of its interest in La Arena S.A., including the La Arena gold mine and the La Arena II copper-gold project, in Q4 2024. See the news release dated December 3, 2024 for further details.
5. Yamana production figures exclude production at Canadian Malartic, which was purchased by Agnico Eagle Mines Limited ("Agnico Eagle"). Gold figures stated in Gold Equivalent Ounces at Jacobina and Minera Florida.
6. Figure excludes consideration paid by Agnico Eagle. Total consideration of \$4.8B comprised of \$1.0B cash, 36.2M Agnico Eagle shares, and 153.8M Pan American shares.
7. Figures represent annual G&A synergies based on 2024 G&A expense, compared to the three-year average of Yamana's G&A expense from 2020 to 2022 adjusted to assume a 5% inflation rate. Figures exclude additional ~\$90M in annual cash savings following dispositions and debt repayment (primarily from the reduction of care & maintenance, reclamation accretion and interest expense).

M&A TRANSFORMED PAN AMERICAN INTO A PEER LEADER

Silver Peers by Market Capitalization and Annual Operating Cash Flow (2018² vs. Current³)



Source: FactSet, S&P Global, company disclosure as at April 29, 2025.

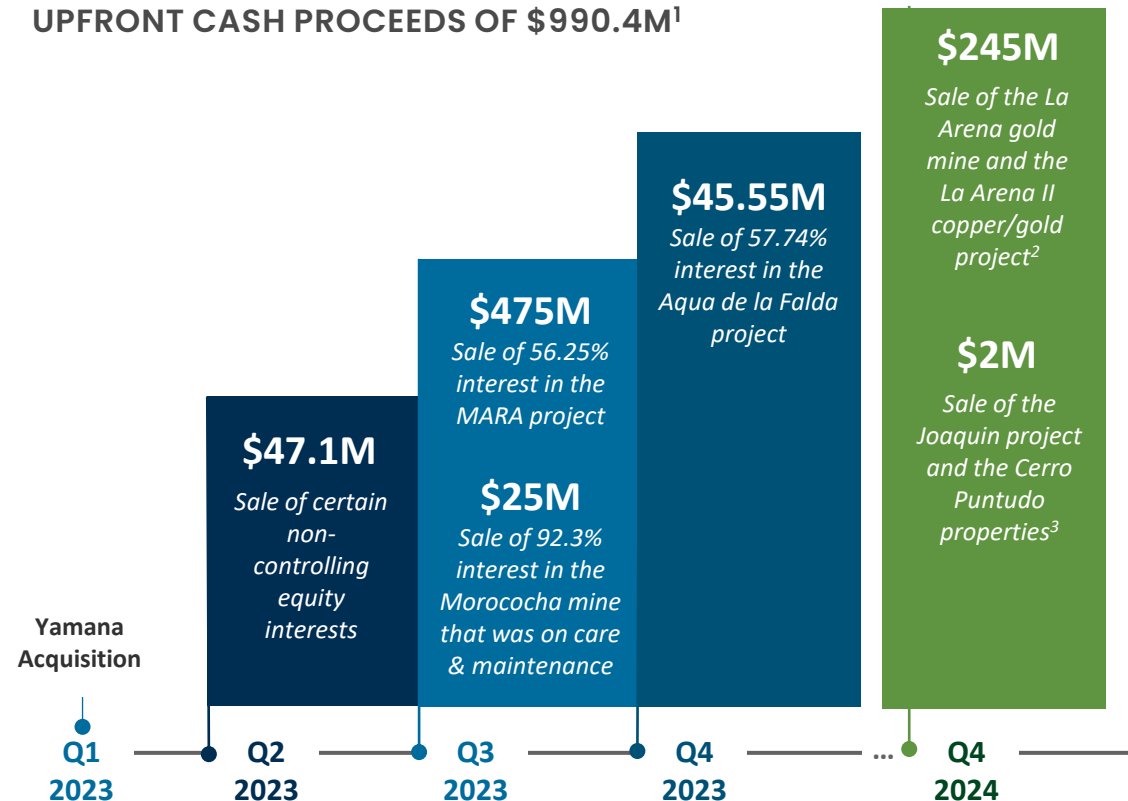
1. Net Cash Generated from Operating Activities ("Operating Cash Flow") | 2. Market Capitalization as at December 31, 2018; Operating Cash Flow reflects FY 2018. | 3. Market Capitalization as at April 29, 2025; Operating Cash Flow reflects FY 2024 results. | 4. Figures are per company disclosure and S&P Global as at April 29, 2025, except Pan American Mineral Reserves & Resources, which are reported as of June 30, 2024, updated to reflect the completion of the sales in Q4 2024 of Joaquin and Pan American's interest in La Arena S.A., which owns the La Arena gold mine and the La Arena II copper-gold project. See slides 41 - 46 for more detailed information on the Company's reserves and resources.



DIVESTMENT OF NON-CORE PROPERTIES

// Delivered on commitment to rationalize portfolio while building a meaningful portfolio of royalties

UPFRONT CASH PROCEEDS OF \$990.4M¹



6 RETAINED ROYALTIES

- ✓ **MARA:** 0.75% Cu NSR Royalty (Glencore)
- ✓ **La Arena II:** 1.5% Au NSR Royalty² (Zijin)
- ✓ **Waterloo:** 2% NSR Royalty (Apollo Silver)
- ✓ **Agua de la Falda:** 1.25% Precious Metals NSR Royalty⁴ (Rio Tinto)
- ✓ **Agua de la Falda:** 0.2% Base Metals NSR Royalty⁴ (Rio Tinto)
- ✓ **Cerro Puntudo:** 1.0% NSR Royalty (Unico Silver)

1. Includes the total value of \$150.7M realized for Pan American's interest in Maverix Metals since the royalty company was formed in 2016, with the sale of Pan American's remaining interest Q1 2023.
2. Pan American completed the sale of its interest in La Arena S.A., including the La Arena gold mine and the La Arena II copper-gold project, in Q4 2024. See the news release dated December 3, 2024 for further details. Transaction consideration includes an additional \$50 million in contingent payments.
3. Transaction consideration includes an additional \$10 million in contingent payments.
4. Royalty payable from certain mineral concessions, pro rata based on interests sold.

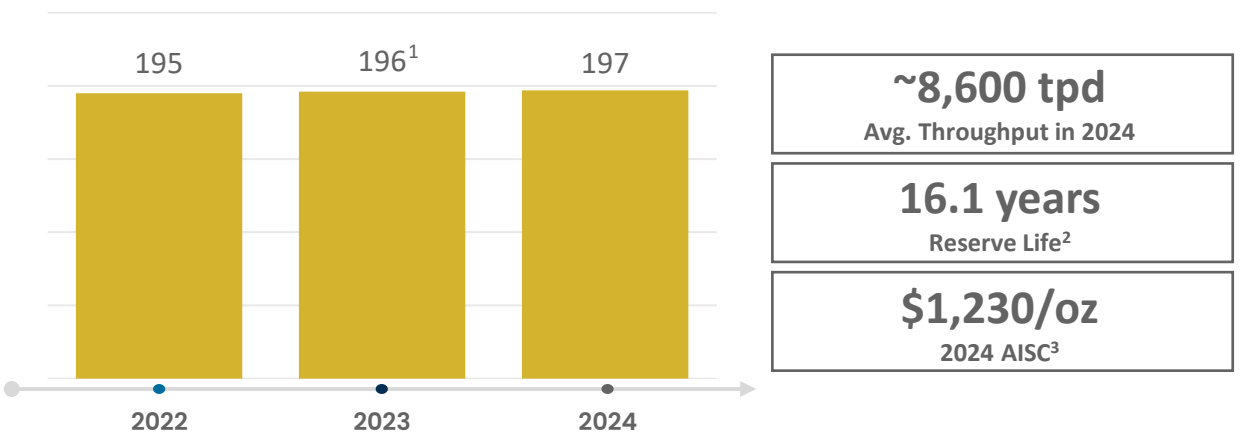
JACOBINA OPTIMIZATION STUDY

// Evaluating opportunities to optimize long-term economics and increase throughput

- Long life mine with excellent exploration potential to extend down-dip and along strike of known conglomerate reefs
- Evaluating geotechnical studies to develop alternative life-of-mine designs intended to enhance mineral resource recovery at various production rates
- Additional studies are underway to determine optimum mine and plant capacities, enhanced ore haulage alternatives, infrastructure upgrades, plant modification designs, and production schedules



Gold Production (koz)



1. Figure for 2023 represents full year production, including the three months that the asset was owned and operated by Yamana.
 2. Calculated as contained gold in proven and probable reserves divided by 2024 gold production.
 3. AISC is a non-GAAP financial measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended March 31, 2025 for a detailed description of this measure and where appropriate a reconciliation of the measure to the Q1 2025 Financial Statements.



LA COLORADA SKARN

// Exploring long-term partnerships to develop the project



La Colorada Skarn



Preliminary Economic Assessment¹ Highlights

- Production averaging 17.2 Moz of silver, 427 kt of zinc and 218 kt of lead annually during the first 10 years
- 50,000 tpd sub-level cave mine and conventional flotation plant
- 17-year mine life and continued exploration upside
- After-tax NPV_{8%} of \$1,087M, 14% after-tax internal rate of return, and payback period of 4.3 years estimated using long-term prices of \$22/oz of silver, \$2,800/tonne of zinc, and \$2,200/tonne of lead
- Estimated initial capital cost \$2,829M

The PEA is preliminary in nature, includes inferred mineral resources that would be 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 preliminary economic assessment will be realized.

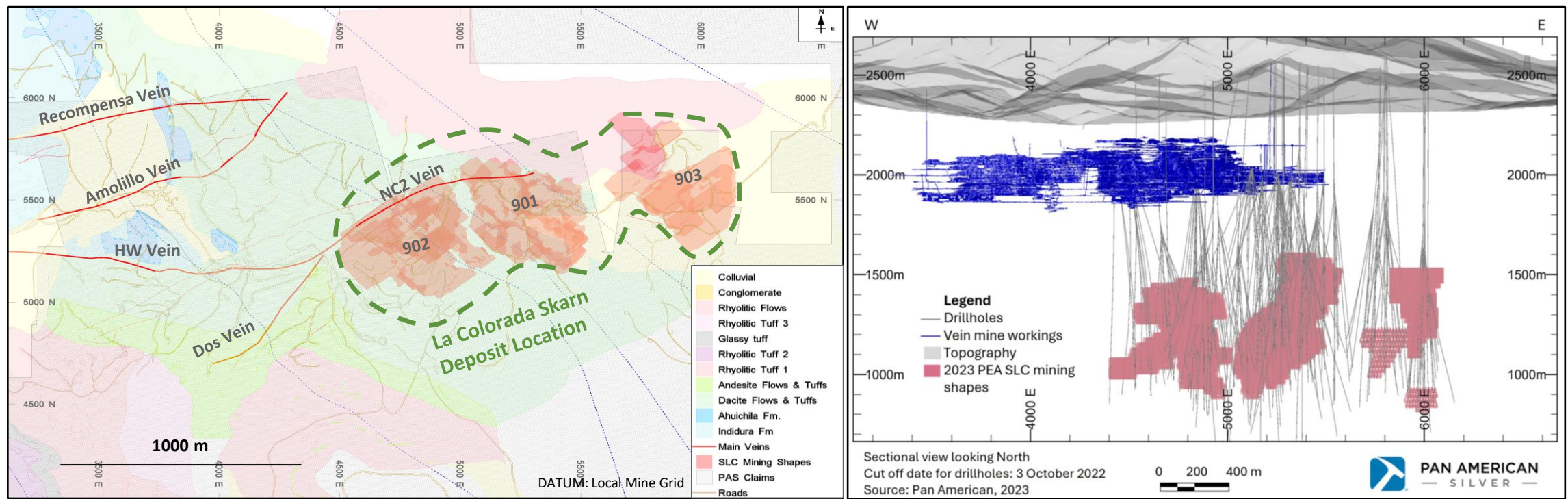
Updated Mineral Resource Estimate²

| | Tonnes (Mt) | Grade | | | Contained Metal | | |
|-----------|----------------|-------------|-----------|-----------|-----------------|------------|------------|
| | | Ag (g/t) | Zn (%) | Pb (%) | Ag (Moz) | Zn (kt) | Pb (kt) |
| Indicated | 265.4 | 36 | 2.85 | 1.37 | 309 | 7,554 | 3,649 |
| Inferred | 61.7 | 30 | 2.55 | 0.95 | 59 | 1,573 | 585 |

1. For details on the La Colorada Skarn project Preliminary Economic Assessment ("PEA"), please refer to the NI 43-101 Technical Report dated January 31, 2024, as amended, and to the slide entitled "La Colorada Skarn PEA results summary".
2. Pan American Mineral Reserves and Mineral Resources are as at June 30, 2024, and are updates to the model used for the PEA of the La Colorada Skarn project. Please refer to slides 41 - 46 of this presentation for detail of our Mineral Reserves and Resources.

LA COLORADA SKARN VIEWS¹

// Mineralization is concentrated in 3 zones, covering an area of 1,500 metres x 1,100 metres, and a depth of 800 metres to 1,900 metres below surface



1. Please refer to the NI 43-101 Technical Report dated January 31, 2024, as amended, for the Preliminary Economic Assessment of the La Colorada Skarn project.

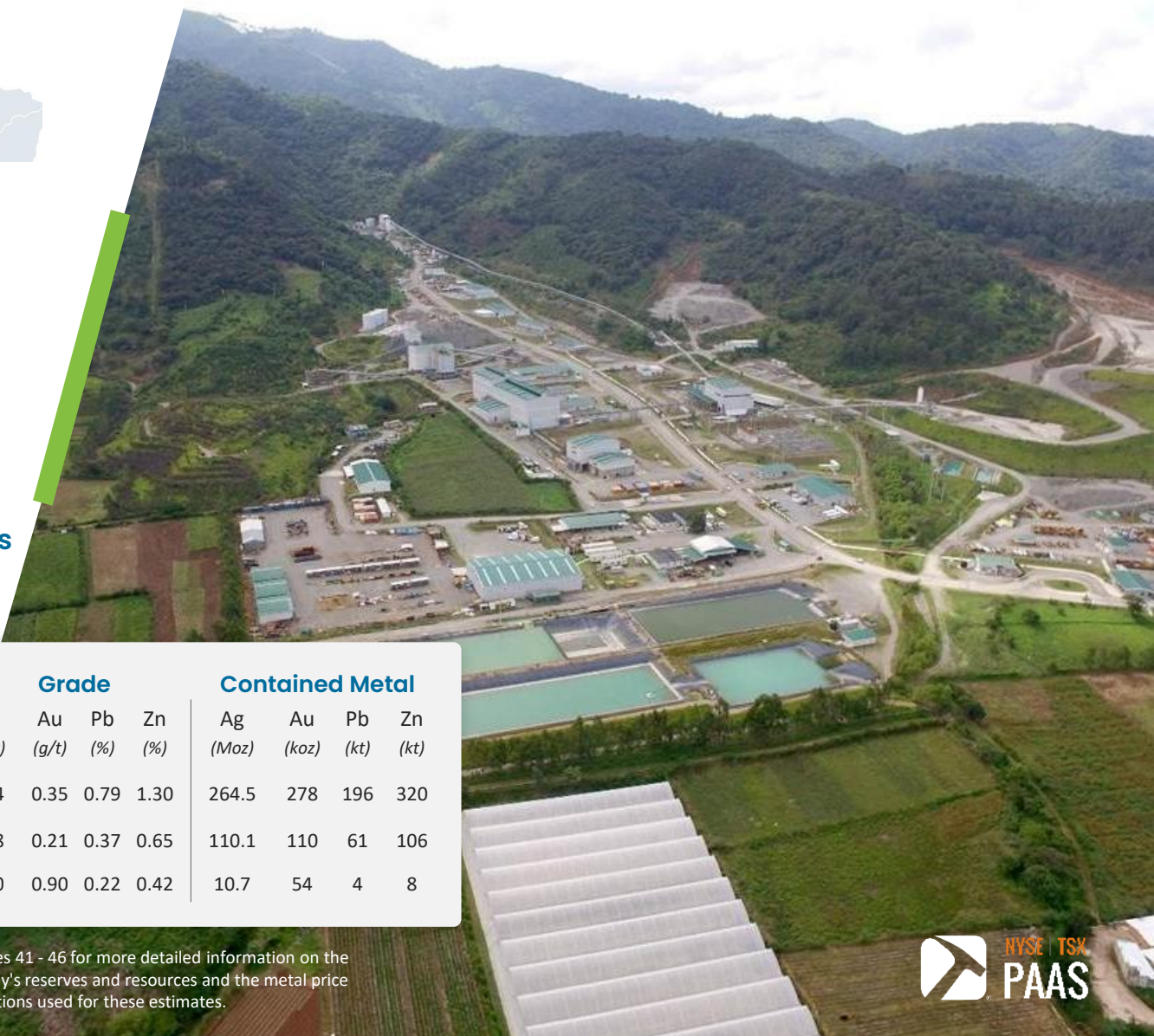
SANTA ROSA, GUATEMALA

ESCOBAL

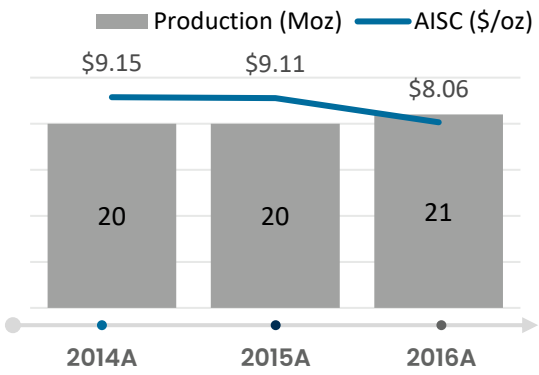
// One of the world's best silver mines

- High-quality, well-built operation with over \$500M invested¹
- One of the world's largest primary silver deposits with reserves of 264 Moz
- 3 consecutive years of production at 20 Moz Ag/year at AISC consistently below \$10/oz Ag prior to 2017
- Mine operations suspended pending completion of an ILO 169 consultation by the Guatemalan government

1. Based on development, expansion, and sustaining capital invested from 2011 to 2017.



Historical Silver Production & AISC



AISC is a non-GAAP measure; see the "Non-GAAP Measures" section of our Cautionary Note on slide 2 of this presentation.

Estimated Mineral Reserves & Mineral Resources

| | Tonnes (Mt) | Grade | | | | Contained Metal | | | |
|--------------------|-------------|----------|----------|--------|--------|-----------------|----------|---------|---------|
| | | Ag (g/t) | Au (g/t) | Pb (%) | Zn (%) | Ag (Moz) | Au (koz) | Pb (kt) | Zn (kt) |
| P&P Reserves | 24.7 | 334 | 0.35 | 0.79 | 1.30 | 264.5 | 278 | 196 | 320 |
| M&I Resources | 16.5 | 208 | 0.21 | 0.37 | 0.65 | 110.1 | 110 | 61 | 106 |
| Inferred Resources | 1.9 | 180 | 0.90 | 0.22 | 0.42 | 10.7 | 54 | 4 | 8 |

(as of June 30, 2024)

See slides 41 - 46 for more detailed information on the Company's reserves and resources and the metal price assumptions used for these estimates.

ESCOBAL CONSULTATION PROCESS

// Escobal mining license suspended pending completion of an ILO 169 Consultation in Guatemala

For more information, please visit
<https://mem.gob.gt/derecho-minero-escobal/>

PRE-PHASE 1 REVIEW

PAS Guatemala shall work with 2011 Environmental Impact Study (EIS) consultant and experts at two Guatemalan Universities to review, define, and recommend area of influence (AOI) to Ministry of Environment and Natural Resources



MARN (Environmental Ministry) completed the area of influence analysis and submitted to the MEM in November 2018. On February 5, 2020, the Supreme Court ruled that the MARN process for the determination of the AOI was completed properly.

PHASE 1 PRE-CONSULTATION

Ministry of Energy and Mines (MEM) leads the process

Define and agree to the terms, timeline and mechanisms under which the consultation (Phase 2) will take place



Pre-consultation completed in July 2022.

PHASE 2 CONSULTATION

MEM leads the process

Formal dialogue process to achieve agreements amongst the main participants in the process: Xinka indigenous communities, MEM and PAS Guatemala (Pan American's subsidiary in Guatemala)



Underway.

PHASE 3 SUPREME COURT VERIFICATION

MEM to submit results of the consultation process to the Guatemalan Supreme Court (SC)

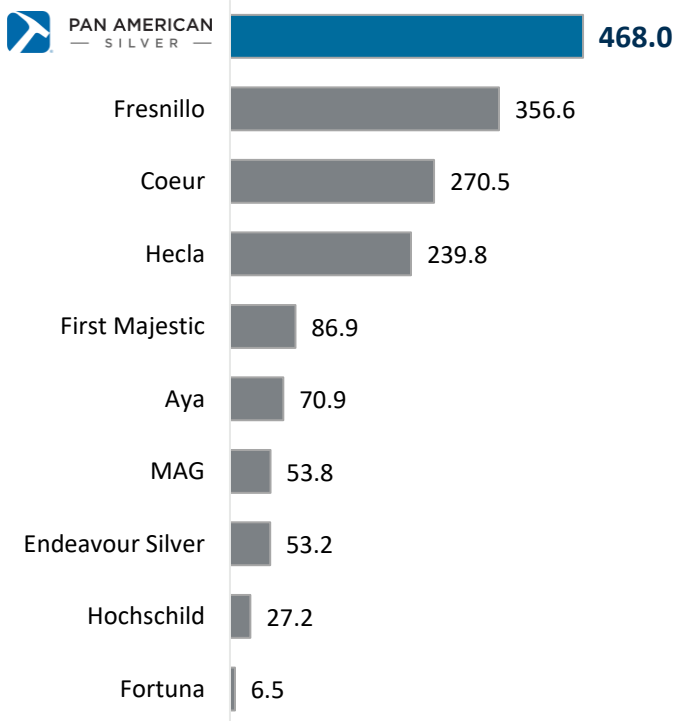
SC certifies with all three parties that the ILO 169 consultation process as outlined in the Constitutional Court's resolution has been followed



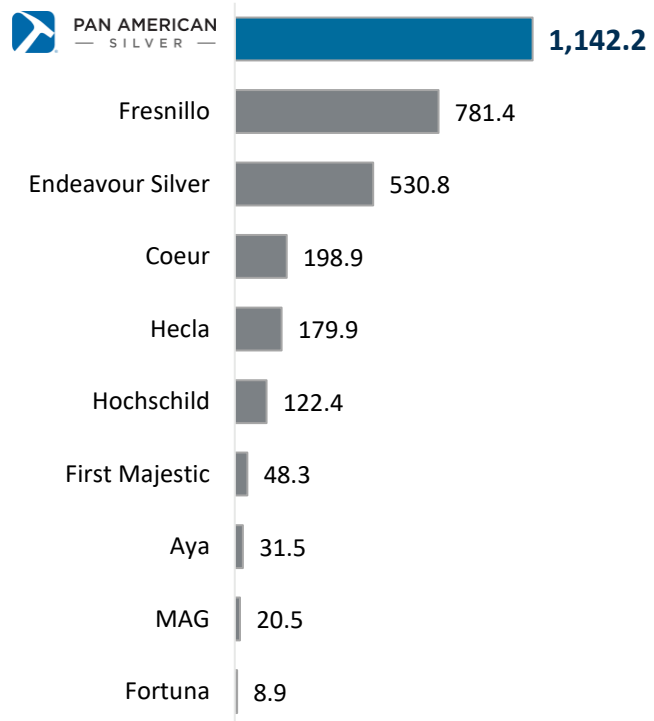
Awaiting completion of Phase 2.

LEADING SILVER MINERAL RESERVES AND RESOURCES WITH STRONG PRODUCTION

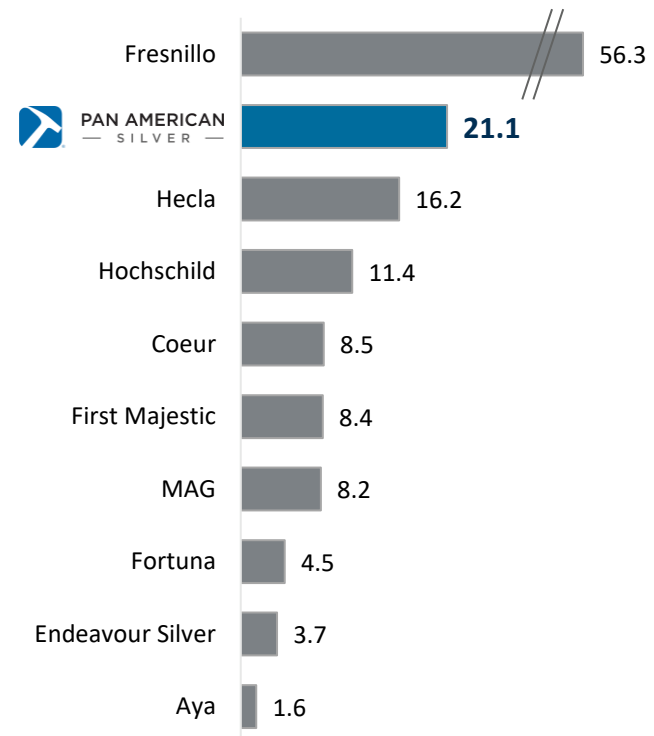
Silver Proven & Probable Mineral Reserves¹ (Moz)



Silver Measured & Indicated Mineral Resources¹ (Moz)



2024 Silver Production (Moz)



Source: S&P Global.

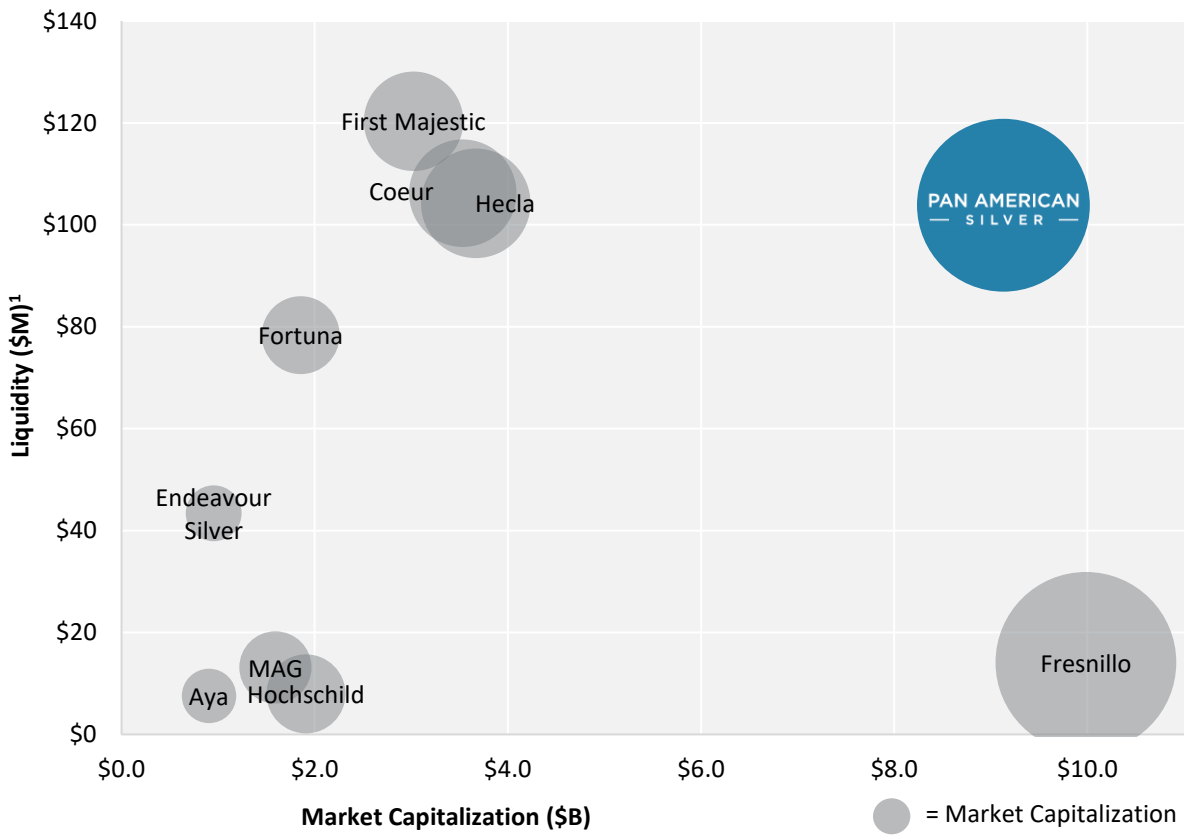
1. Figures are per S&P Global as at April 29, 2025. Pan American Mineral Reserves & Resources are reported as of June 30, 2024, updated to reflect the completion of the sales in Q4 2024 of Joaquin and Pan American's interest in La Arena S.A., which owns the La Arena gold mine and the La Arena II copper-gold project. See slides 41 - 46 for more detailed information on the Company's reserves and resources.



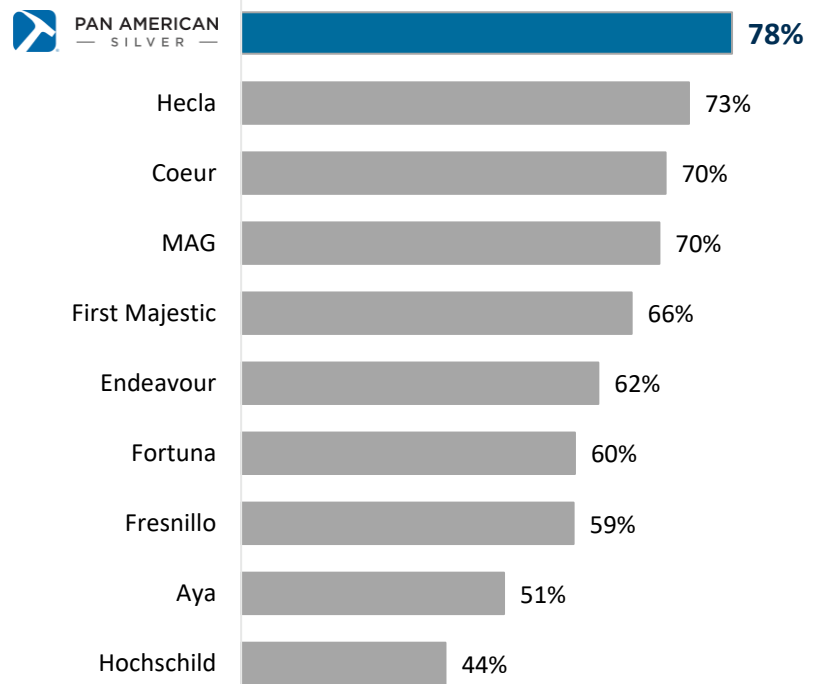
PROVIDING INVESTORS WITH THE BEST EXPOSURE TO SILVER

// Pan American is the leading silver producer by market cap, liquidity, and silver price correlation

Silver Producers by Market Capitalization and Liquidity



1-Year Share Price Correlation to Silver Price²



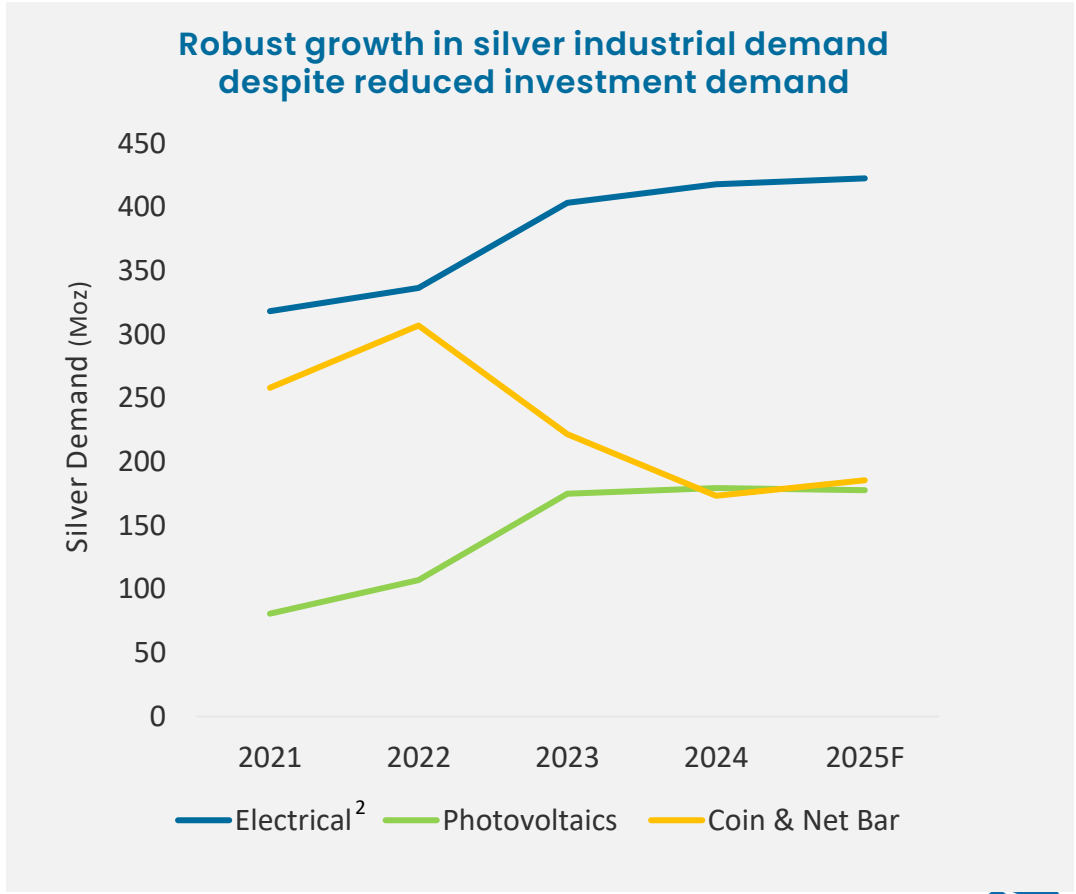
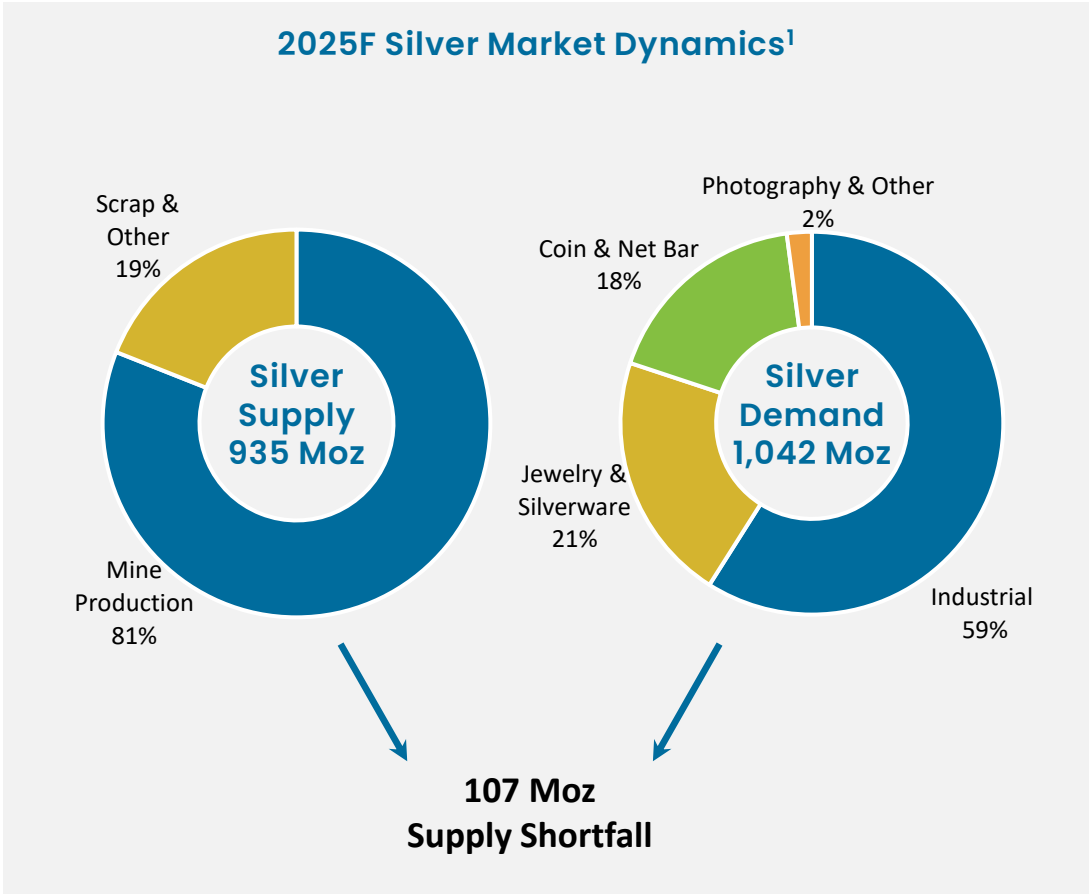
Source: FactSet as at April 29, 2025.

1. Figures based on sum of liquidity on US and Canadian exchanges; except for Hochschild and Fresnillo which trade primarily on the London Stock Exchange. Calculated as 90-day trading average.
 2. Figures display correlation coefficient of daily returns between the iShares Silver Trust and respective share price for the period April 1, 2024 to March 31, 2025. The iShares Silver Trust tracks the silver spot price, less expenses and liabilities, using silver bullion held in London.



POSITIVE SILVER MARKET DYNAMICS

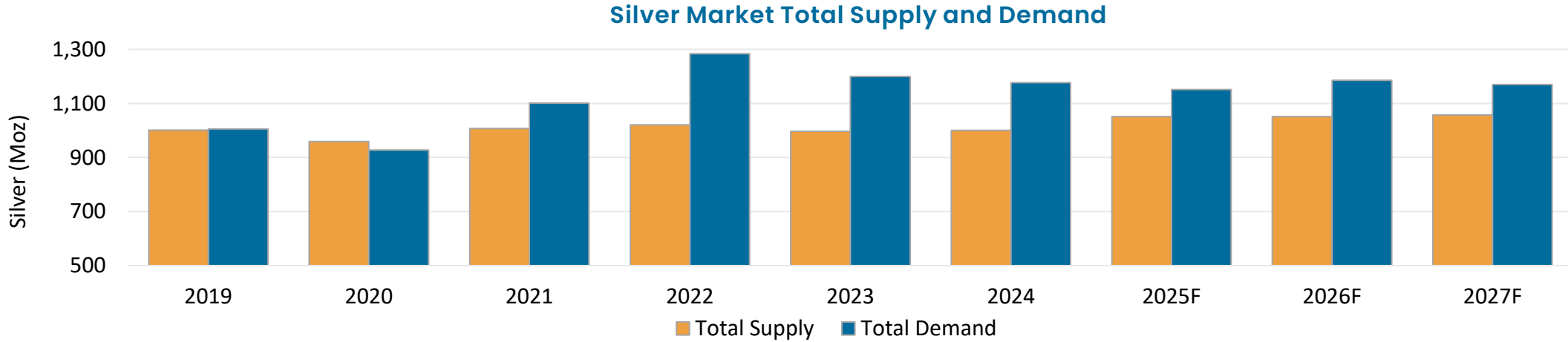
// Growing industrial demand from global transition to decarbonization and electrification



Source: The Silver Institute: World Silver Survey 2025.
1. Figures may not sum to 100% due to rounding.
2. The total for electrical applications includes demand for photovoltaics.



DEMAND EXPECTED TO EXCEED SUPPLY OVER NEXT 3 YEARS



Source: Metals Focus as of March 2025.
Note: Figures are as per Metals Focus' Base Case forecasts.
1. Market Balance equals Total Supply less Total Demand



COMMITTED TO LEADING ESG PERFORMANCE

Reporting Frameworks and Standards



Memberships and Associations



ESG Ratings and Rankings

| | |
|---|---|
| 62 Ranked top 8 th Percentile in the Metals & Mining industry <i>Scale: 0 (worst) to 100 (best)</i> | A RATING Ranked Top 60 th percentile <i>Scale: CCC (worst) to AAA (best)</i> |
| 23.9 (MEDIUM RISK) Ranked Top 22 nd Percentile in the Precious Metals Mining Sector <i>Scale: 100 (worst) to 0 (best)</i> | Environment: 1 Social: 3 Governance: 3 <i>Scale: E&S Disclosure 10 (worst) to 1 (best)</i> <i>Governance Risk 10 (higher) to 1 (lower)</i> |

As of April 29, 2025

PAN AMERICAN SNAPSHOT¹

// A leading producer of silver & gold in the Americas

NYSE: PAAS
TSX: PAAS

\$9.1 B
MARKET CAP

362.2 M
SHARES
OUTSTANDING

\$0.10
QUARTERLY DIVIDEND
PER SHARE²

1.6%
DIVIDEND YIELD

\$104 M
AVERAGE DAILY
TRADING VALUE³

10
SELL SIDE
ANALYSTS

Analyst Coverage⁴

BMO Capital Markets (Matthew Murphy)

BofA Global Research (Lawson Winder)

Canaccord Genuity (Carey MacRury)

CIBC Capital Markets (Cosmos Chiu)

Edison Group (Andrey Litvin)

Jefferies (David Hove)

National Bank Financial (Don DeMarco)

RBC Capital Markets (Michael Siperco)

Scotiabank GBM (Ovais Habib)

TD Securities (Wayne Lam)

Top Shareholders⁵

Van Eck (8.56%)

The Vanguard Group (3.83%)

Fidelity Investments Canada (3.72%)

Global X Management (2.54%)

BlackRock Investment Management UK (1.72%)

BlackRock Fund Advisors (1.66%)

Fidelity FMR (1.61%)

Invesco Advisors (1.59%)

Norges Bank (1.43%)

Konwave AG (1.22%)

1. FactSet market data as of April 29, 2025.

2. Dividend declared May 2025.

3. Based on 90-day average daily trading value on both the NYSE and the TSX per FactSet.

4. We do not endorse or approve any analyst's opinions, estimates, conclusions, or recommendations. Analysts and institutions may change their coverage from time to time.

5. Shareholder register as per IHS Markit BD Corporate at March 31, 2025.



PAN AMERICAN
— SILVER —

APPENDIX

2025 OPERATING OUTLOOK

| | Silver Production (Moz) | Gold Production (koz) | AISC (\$ per ounce) ¹ |
|--------------------------------------|----------------------------|--------------------------|-------------------------------------|
| Silver Segment: | | | |
| La Colorada (Mexico) | 5.50 – 5.80 | 2 | 20.00 – 22.00 |
| Cerro Moro (Argentina) | 2.80 – 2.90 | 77 – 87 | 6.00 – 10.00 |
| Huaron (Peru) | 3.70 – 3.90 | – | 16.00 – 17.50 |
| San Vicente (Bolivia) ² | 2.70 – 2.90 | – | 19.00 – 20.50 |
| Silver Segment Consolidated | 14.70 – 15.50 | 79 – 89 | 16.25 – 18.25 |
| Gold Segment: | | | |
| Jacobina (Brazil) | – | 185 – 195 | 1,275 – 1,375 |
| El Peñon (Chile) | 3.70 – 3.80 | 120 – 130 | 1,185 - 1,285 |
| Timmins (Canada) | – | 120 – 130 | 2,100 - 2,200 |
| Shahuindo (Peru) | 0.25 | 125 – 135 | 1,735 - 1,835 |
| Minera Florida (Chile) | 0.45 | 78 – 90 | 1,700 - 1,850 |
| Dolores (Mexico) | 0.90 – 1.00 | 28 – 31 | 850 - 1,000 |
| Gold Segment Consolidated | 5.30 – 5.50 | 656 – 711 | 1,525 - 1,625 |
| Total Consolidated Production | 20.00 – 21.00 | 735 – 800 | |

Consolidated Base Metal Production

| | |
|-------------|---------|
| Zinc (kt) | 42 – 45 |
| Lead (kt) | 21 – 22 |
| Copper (kt) | 4 |

Note: Please refer to the forward-looking cautionary language on slide 2 of this presentation. Please refer to the Company's Q4 2024 MD&A dated February 19, 2025 for our operating outlook for 2025.

- AISC is a non-GAAP measure. Please refer to the "Alternative Performance (Non-GAAP) Measures" section of the MD&A for the period ended March 31, 2025 for further information on this measure. The AISC forecasts assume average metal prices of \$30.00/oz for silver, \$2,650/oz for gold, \$3,000/tonne (\$1.36/lb) for zinc, \$2,000/tonne (\$0.91/lb) for lead, and \$9,500/tonne (\$4.31/lb) for copper; and average annual exchange rates relative to 1 USD of 20.00 for the Mexican peso ("MXN"), 3.75 for the Peruvian sol ("PEN"), 1,177 for the Argentine peso ("ARS"), 7.00 for the Bolivian boliviano ("BOB"), 1.38 for the Canadian dollar ("CAD"), 950.00 for the Chilean peso ("CLP") and 5.75 for the Brazilian real ("BRL").
- San Vicente data represents Pan American's 95.0% interest in the mine's production.

2025 QUARTERLY OPERATING OUTLOOK

// Production weighted to the second half of 2025

- **Silver production** is anticipated to increase towards the second half of year largely as a result of mine sequencing into higher grade ore zones at Cerro Moro. Additionally, essential plant maintenance at San Vicente is scheduled in 2025 (maintenance was partially completed in Q1 2025).
- **Gold production** is expected to increase in the second half of year largely due to (i) mine sequencing into higher gold grade ores at Cerro Moro and Minera Florida, (ii) higher throughput at Minera Florida due to increased development requirements in the first half of the year, and (iii) leach sequencing at Shahuindo resulting in higher recovery rates; partially offset by lower gold production sequentially quarter-over-quarter at Dolores as the residual-leaching phase progresses.
- **Silver Segment AISC** outperformed Q1 Guidance as a result of higher by-product credits from higher gold production at Cerro Moro and higher zinc and lead production across our polymetallic operations, as well as lower capital expenditures. Silver Segment AISC are expected to increase in Q2 2025 and Q3 2025 reflecting higher sustaining capital expenditures and lower by-product credits from mine sequencing at Cerro Moro, before reducing again in Q4 2025 as a result of higher gold grades at Cerro Moro.
- **Gold Segment AISC** outperformed Q1 Guidance as a result of higher than expected gold and silver production from residual leaching at Dolores and higher silver by-product credits at El Peñon. Gold Segment AISC are expected to remain relatively stable for the remainder of 2025 as higher costs per ounce at Dolores from lower residual leaching and at Shahuindo from increased capital expenditures are expected to be offset by lower costs per ounce at Minera Florida from increased production rates.
- **Taxes paid** are expected to be front-end loaded; \$95.1 of the estimated \$240M - \$260M of cash taxes were paid in Q1 2025.

| | Q1 Actual ² | Q1 Guidance | Q2 Guidance | Q3 Guidance | Q4 Guidance | FY 2025 Guidance |
|----------------------------------|------------------------|---------------|---------------|---------------|---------------|------------------|
| Silver Production (Moz) | 5.00 | 4.75 – 5.00 | 4.95 – 5.20 | 5.10 – 5.35 | 5.20 – 5.45 | 20.00 – 21.00 |
| Gold Production (koz) | 182 | 175 – 189 | 179 – 194 | 189 – 205 | 192 – 212 | 735 – 800 |
| Silver Segment AISC ¹ | 13.94 | 21.00 – 22.25 | 19.50 – 21.25 | 14.25 – 16.25 | 10.25 – 13.00 | 16.25 – 18.25 |
| Gold Segment AISC ¹ | 1,485 | 1,575 – 1,675 | 1,550 – 1,650 | 1,500 – 1,600 | 1,500 – 1,600 | 1,525 – 1,625 |

Note: Please refer to the forward-looking cautionary language on slide 2 of this presentation. Please refer to the Company's Q4 2024 MD&A dated February 19, 2025 for our operating outlook for 2025.

1. AISC is a non-GAAP measure. Please refer to the "Alternative Performance (Non-GAAP) Measures" section of the MD&A for the period ended March 31, 2025 for further information on this measure. The AISC forecasts assume average metal prices of \$30.00/oz for silver, \$2,650/oz for gold, \$3,000/tonne (\$1.36/lb) for zinc, \$2,000/tonne (\$0.91/lb) for lead, and \$9,500/tonne (\$4.31/lb) for copper; and average annual exchange rates relative to 1 USD of 20.00 for the Mexican peso ("MXN"), 3.75 for the Peruvian sol ("PEN"), 1,177 for the Argentine peso ("ARS"), 7.00 for the Bolivian boliviano ("BOB"), 1.38 for the Canadian dollar ("CAD"), 950.00 for the Chilean peso ("CLP") and 5.75 for the Brazilian real ("BRL").

2. AISC excl. NRV is displayed for comparative purposes.

2025 EXPENDITURES FORECAST

Project capital invested to advance strategic goals:

- La Colorada (Skarn) - continued exploration and in-fill drilling, and engineering work
- Jacobina - advancing the mine and plant optimization study
- La Colorada (Veins) - exploration, mine infrastructure, and mine equipment leases related to the prospective, higher-grade eastern zone of the mine
- Timmins - stage six tailings storage facility and exploration at satellite deposits
- Huaron - residual project capital for the new filtered tailings storage facility

| | Expenditures (\$ millions) |
|--|----------------------------|
| Sustaining Capital | |
| La Colorada (Mexico) | 19.0 - 21.0 |
| Cerro Moro (Argentina) | 10.0 - 11.0 |
| Huaron (Peru) | 18.0 - 19.0 |
| San Vicente (Bolivia) ¹ | 4.5 |
| Jacobina (Brazil) | 58.0 - 60.0 |
| El Peñon (Chile) | 33.0 - 35.0 |
| Timmins (Canada) | 39.0 - 41.0 |
| Shahuindo (Peru) | 67.0 - 71.0 |
| Minera Florida (Chile) | 21.0 - 22.0 |
| Dolores (Mexico) | 0.5 |
| Sustaining Capital Sub-total | 270.0 - 285.0 |
| Project Capital | |
| La Colorada (Veins) (Mexico) | 10.0 - 12.0 |
| La Colorada (Skarn) (Mexico) | 39.0 - 42.0 |
| Huaron (Peru) | 12.0 - 13.5 |
| Timmins (Canada) | 18.0 - 20.0 |
| Jacobina (Brazil) | 11.0 - 12.5 |
| Project Capital Sub-total | 90.0 - 100.0 |
| Total Capital Expenditures | 360.0 - 385.0 |
| Reclamation Expenditures | 28.0 - 34.5 |
| General and Administrative | 80.0 - 85.0 |
| Care & Maintenance | 20.5 - 24.0 |
| Exploration and Project Development | 15.0 - 20.0 |
| Income Tax Payments² | 240.0 - 260.0 |
| Depreciation and Amortization | 450.0 - 500.0 |

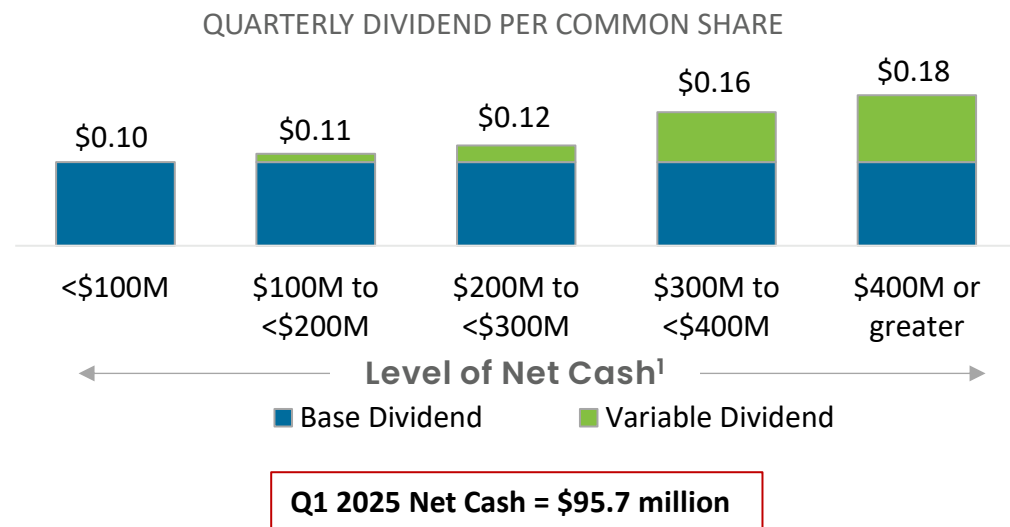
Note: Please refer to the forward-looking cautionary language on pages 2 and 3 of this presentation. Please refer to the Company's Q4 2024 MD&A dated February 19, 2025 for our expenditures forecast for 2025.

1. Capital expenditures at San Vicente are shown at a 100% ownership.
2. Taxes paid are expected to be front-end loaded; \$95.1 of the estimated \$240M - \$260M of cash taxes were paid in Q1 2025.

SHAREHOLDER RETURNS

Dividend Policy

Pan American supplements a base dividend of \$0.10 per common share with a variable dividend, paid on a quarterly basis, that is linked to the net cash¹ position for the previous quarter



Share Buyback (Normal Course Issuer Bid)

Pan American believes that the market price of its common shares, from time to time, may not fully reflect the underlying value of its mining operations and future growth prospects

- Pan American renewed its Normal Course Issuer Bid (the “Bid”), which will run from March 6, 2025 to March 5, 2026².
- The Bid allows the repurchase of up to 5% of Pan American’s issued and outstanding common shares as at February 28, 2025.
- All common shares acquired by Pan American will be cancelled and purchases will be funded out of working capital, making it an attractive use of excess cash.
- Under the prior Bid which expired on March 5, 2025, Pan American had purchased ~2.6M common shares at a volume weighted average price of ~\$16.87 per common share

1. Net cash is calculated as cash and cash equivalents plus short-term investments, other than equity securities, less total debt. Net cash and total debt are non-GAAP measures and do not have standardized meaning prescribed by IFRS and are therefore unlikely to be comparable to similar measures presented by other companies; please refer to the “Alternative Performance (non-GAAP) Measures” section of our MD&A for the period ended March 31, 2025, for a discussion of various non-GAAP measures.

2. Please refer to the news release dated March 3, 2025 for details.

SUSTAINABILITY GOVERNANCE AND MANAGEMENT

// Structure and Accountability

BOARD OF DIRECTORS

- The Communities and Sustainable Development Committee reviews the Company’s sustainability performance and management of sustainability impacts.
- The Health, Safety and Environment Committee provides policy direction and oversight of the performance on safety and technical matters relating to the environment.
- The Nominating and Governance Committee oversees the implementation of governance best practices and compliance with the Company’s Code of Ethical Conduct.
- The Human Resources and Compensation Committee Oversees human resources, inclusion and diversity initiatives, compensation, and succession planning.

CORPORATE MANAGEMENT TEAM

- Our CEO and senior leadership direct and oversee strategy, programs, initiatives, and performance related to communities, health and safety, environment and human capital. They also monitor the performance of ESG indicators monthly.
- The ESG Management Committee is responsible for guiding Pan American Silver’s ESG strategy and management to improve performance.

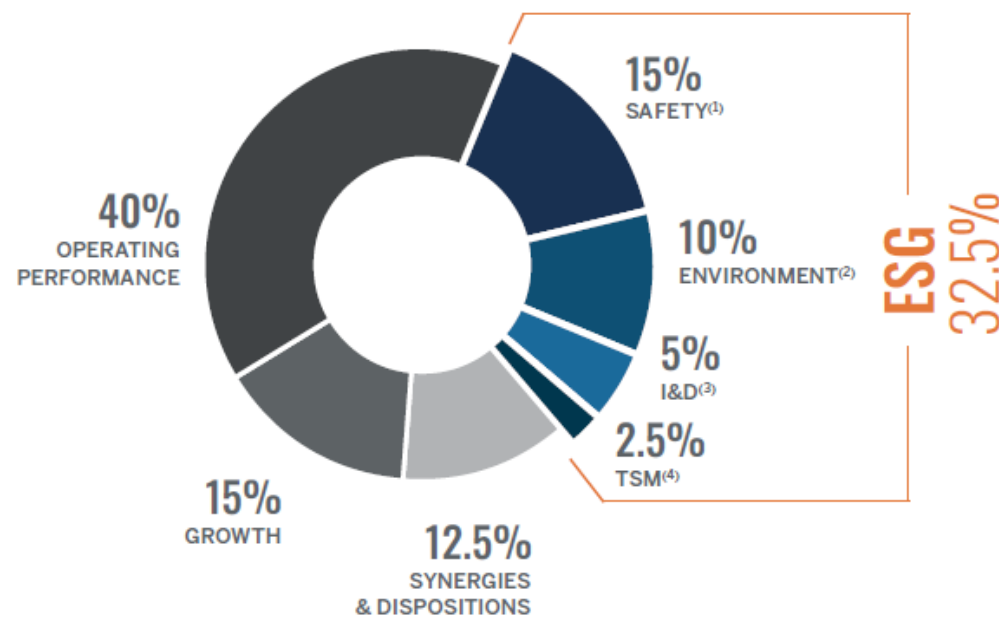
COUNTRY MANAGERS

- Oversee and manage sustainability matters in each of the countries where we operate.

MINE MANAGERS

- Implement sustainability programs and initiatives and supervise teams responsible for community relations, environment, safety, and human resources.

Senior Management’s Compensation linked to ESG Performance



5% reduction in compensation score for each work-related fatality

¹ Lost time injury frequency (LTIF) and lost time injury severity (LTIS) targets.

² Significant Environmental Incidents (“SEIs”) target.

³ Inclusion & Diversity (hiring and retention of women) targets.

⁴ Towards Sustainable Mining (TSM) external verification target.

LA COLORADA

Ag Pb Zn

| TYPE | LOCATION | OWNERSHIP |
|------|----------|-----------|
|------|----------|-----------|

| | | |
|------------------|-------------------|------|
| Underground Mine | Zacatecas, Mexico | 100% |
|------------------|-------------------|------|

- Produces silver-rich lead and zinc concentrates from a flotation plant treating sulphide ore, 650 tpd oxide plant on stand-by as ore flow demands
- \$10.0 to \$12.0 million project capital in 2025 for exploration, mine infrastructure, and mine equipment leases to access, mine, and expand mineral resource extensions in the deep eastern and southeastern extensions of the higher-grade Candelaria mineralized structure
- Successful ramp-up in throughput to 1,950 tpd in December 2024 following completion of new ventilation infrastructure and acceleration in underground developments

Opportunities



Leveraging new 5.5 metre concrete-lined ventilation blind excavated shaft and twin 2000-HP fan infrastructure to increase throughput and reach higher-grade extremities of the mine



Exploration to the east of NC2 and south on the San Geronimo and Cristina Vein systems within and adjacent to Pan American owned concessions



Increasing ramp and development advance rates (+5% over 2024) and progressing on rehabilitations & cross-cut drifts to enhance productivities mid-year 2025

MINE OVERVIEW

5.5 – 5.8 Moz
2025F Ag Production¹

1,900 – 2,000 tpd
2025F Throughput^{1,2}

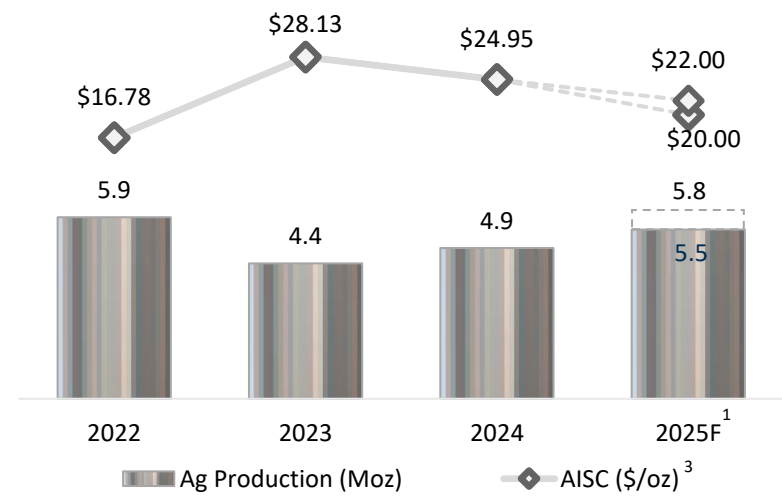
\$20.00 – \$22.00
2025F Ag AISC^{1,3}

86.6 Moz Ag
P&P Reserves⁴

14.9 Moz Ag
M&I Resources⁴

93.8 Moz Ag
Inferred Resources⁴

Production & Cost History



1. 2025F production, throughput, and AISC figures are based on our 2025 Guidance. Please refer to the Company's MD&A for the period ended December 31, 2024 for our 2025 Guidance and to the Cautionary Note on slide 2 of this presentation.
2. Tonnes per day ("tpd") calculated as annual tonnes divided by 365 days.
3. AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended March 31, 2025 for a detailed description of these measures.
4. Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 41 - 46 of this presentation for detail of our Mineral Reserves and Resources.

JACOBINA

Au




| TYPE | LOCATION | OWNERSHIP |
|------|----------|-----------|
|------|----------|-----------|

| | | |
|------------------|---------------|------|
| Underground Mine | Bahia, Brazil | 100% |
|------------------|---------------|------|

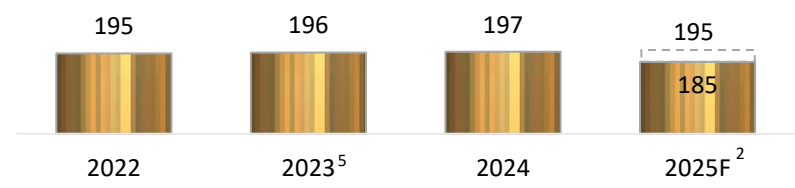
- Jacobina is an ~8,400 tpd underground reef-style deposit and underground mine producing dore through a conventional leaching carbon-in-pulp process
- Pan American acquired the mine in March 2023 pursuant to its acquisition of Yamana
- 2024 record production of 197 koz in first full year of ownership
- Currently the core operating area has seven mines over roughly 8km of strike length with further extensions along strike planned over the life of mine, feeding a central processing facility with a current reserve life of 16.1 years¹ and a strong history of reserve replacement from mine depletion.

1. Calculated as contained gold in proven and probable reserves divided by 2024 gold production.
2. 2025F production, throughput, and AISC figures are based on our 2025 Guidance. Please refer to the Company's MD&A for the period ended December 31, 2024 for our 2025 Guidance and to the Cautionary Note on slide 2 of this presentation.
3. AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended March 31, 2025 for a detailed description of these measures. AISC figures for 2022 are re-calculated using Pan American's accounting treatment for illustrative purposes.
4. Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 41 - 46 of this presentation for detail of our Mineral Reserves and Resources.
5. Production figures for 2023 represent the full year of production, including the three months that the asset was owned and operated by Yamana. AISC figures for 2023 are for the nine months that the asset was owned and operated by Pan American.
6. Gold Equivalent Ounces ("GEO").
7. Yamana's accounting treatment for AISC is not consistent with Pan American's accounting treatment. Thus, Pan American's accounting treatment has been applied retroactively for comparative purposes.

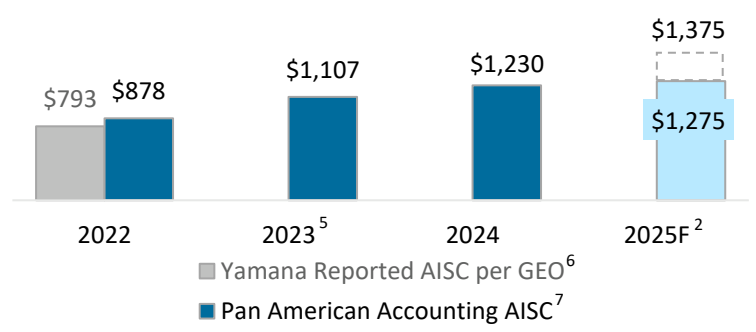
Opportunities

-  Mine optimization study underway to maximize life-of-mine economics
-  Excellent exploration potential to extend down-dip and along strike of known conglomerate reefs
-  Highly skilled and motivated workforce

Production History



AISC History³ (\$/oz)



MINE OVERVIEW

- 185 – 195 koz**
2025F Au Production²
- 8,500 – 9,000 tpd**
2025F Throughput²
- \$1,275 – \$1,375**
2025F Au AISC^{2,3}
- 3,162 koz Au**
P&P Reserves⁴
- 4,971 koz Au**
M&I Resources⁴
- 3,250 koz Au**
Inferred Resources⁴

EL PEÑON

Au Ag




| TYPE | LOCATION | OWNERSHIP |
|------|----------|-----------|
|------|----------|-----------|

| | | |
|------------------|--------------------|------|
| Underground Mine | Antofagasta, Chile | 100% |
|------------------|--------------------|------|

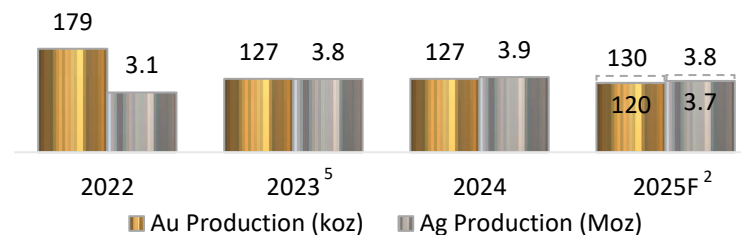
- Pan American acquired the mine as part of the acquisition of Yamana in March 2023. The operation is included in Pan American’s Gold Segment
- Dore is produced through a conventional leaching and Merrill-Crowe process
- The mine utilizes mainly long-hole and bench-and-fill mining methods with a combination of rockfill and cemented rockfill
- Remnant open pit stockpiles supplement mined ores
- Updated technical report released in January 2025¹.

1. Please refer to the technical report dated January 20, 2025.
2. 2025F production, throughput, and AISC figures are based on our 2025 Guidance. Please refer to the Company’s MD&A for the period ended December 31, 2024 for our 2025 Guidance and to the Cautionary Note on slide 2 of this presentation.
3. AISC is a non-GAAP measure. Please refer to the section “Alternative Performance (Non-GAAP) Measures” of the MD&A for the period ended March 31, 2025 for a detailed description of these measures. AISC figures for 2022 are re-calculated using Pan American’s accounting treatment for illustrative purposes.
4. Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 41 - 46 of this presentation for detail of our Mineral Reserves and Resources.
5. Production figures for 2023 represent the full year of production, including the three months that the asset was owned and operated by Yamana. AISC figures for 2023 are for the nine months that the asset was owned and operated by Pan American.
6. Yamana’s accounting treatment for AISC is not consistent with Pan American’s accounting treatment. Thus, Pan American’s accounting treatment has been applied retroactively for comparative purposes.

Opportunities

-  District-scale exploration potential being tested to enhance mine life
-  Aggressive resource conversion drill program intended to add further reserves
-  Potential retooling for narrow vein mining equipment leading to higher grades with lower throughput

Production History



AISC History² (\$/oz)



MINE OVERVIEW

120 – 130 koz Au
3.7 – 3.8 Moz Ag
 2025F Production²

3,600 – 3,900 tpd
 2025F Throughput³

\$1,185 – \$1,285
 2025F Au AISC^{2,3}

653 koz Au
22.2 Moz Ag
 P&P Reserves⁴

685 koz Au
22.1 Moz Ag
 M&I Resources⁴

816 koz Au
28.6 Moz Ag
 Inferred Resources⁴

SHAHUINDO

Au Ag

| TYPE | LOCATION | OWNERSHIP |
|------|----------|-----------|
|------|----------|-----------|

| | | |
|---------------|-----------------|------|
| Open-Pit Mine | Cajamarca, Peru | 100% |
|---------------|-----------------|------|

- Shahuindo is an open-pit, heap leach gold mine, producing silver by-products from dore
- Commercial production began in 2016; the mine was acquired by Pan American in 2019

Opportunities

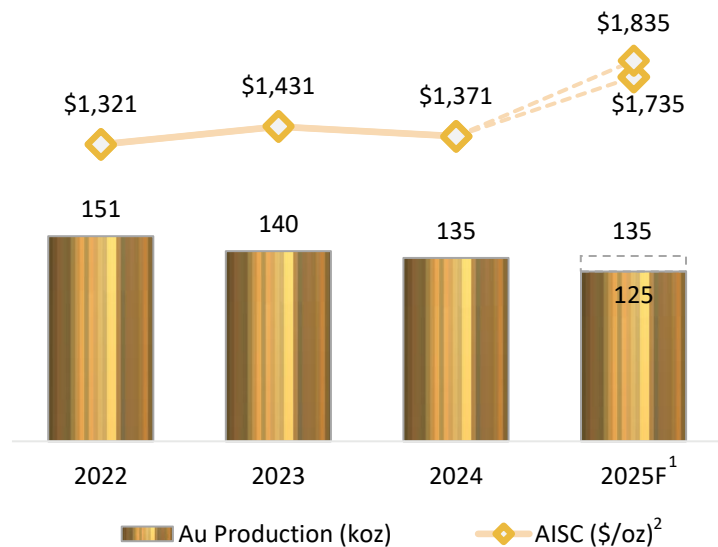


Expected leach recovery increase over LOM based on metallurgical testing



Completion of leach pads and waste dumps facilities by 2027 expected to result in lower capital requirements thereafter with potential for in-pit waste dumping

Production & Cost History



MINE OVERVIEW

125 – 135 koz
2025F Au Production¹

36.7 – 38.1 ktpd
2025F Throughput¹

\$1,735 – \$1,835
2025F Au AISC^{1,2}

1,059 koz Au
P&P Reserves³

183 koz Au
M&I Resources³

116 koz Au
Inferred Resources³

1. 2025F production, throughput, and AISC figures are based on our 2025 Guidance. Please refer to the Company's MD&A for the period ended December 31, 2024 for our 2025 Guidance and to the Cautionary Note on slide 2 of this presentation.
2. AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended March 31, 2025 for a detailed description of these measures.
3. Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 41 - 46 of this presentation for detail of our Mineral Reserves and Resources.

HUARON

Ag Zn Pb Cu

| TYPE | LOCATION | OWNERSHIP |
|------|----------|-----------|
|------|----------|-----------|

| | | |
|------------------|-------------|------|
| Underground Mine | Pasco, Peru | 100% |
|------------------|-------------|------|

- Huaron is an underground silver bearing polymetallic mine
- Long-hole mechanized and longitudinal cut-and-fill mining methods are used
- Utilizes selective flotation to produce silver in copper, lead, and zinc concentrates
- The construction of a tailings filtration plant and dry-stack tailings storage facility is operational and being ramped-up
- Developing the prospective Horizonte zone, which added 2.7 million ounces of new proven and probable silver mineral reserves in our 2024 update

Opportunities

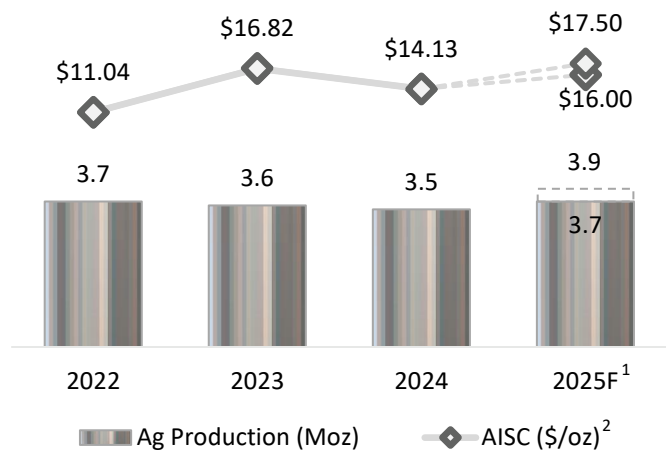


Continue development and exploration of the Horizonte zone to the southeast



Improve electricity efficiency and lower costs from recently commissioned mine dewatering station

Production & Cost History



MINE OVERVIEW

3.7 – 3.9 Moz
2025F Ag Production¹

2,600 – 2,800 tpd
2025F Throughput¹

\$16.00 – \$17.50
2025F Ag AISC^{1,2}

52.6 Moz Ag
P&P Reserves³

17.7 Moz Ag
M&I Resources³

27.5 Moz Ag
Inferred Resources³

1. 2025F production, throughput, and AISC figures are based on our 2025 Guidance. Please refer to the Company's MD&A for the period ended December 31, 2024 for our 2025 Guidance and to the Cautionary Note on slide 2 of this presentation.

2. AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended March 31, 2025 for a detailed description of these measures.

3. Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 41 - 46 of this presentation for detail of our Mineral Reserves and Resources.

TIMMINS




Au

| TYPE | LOCATION | OWNERSHIP |
|------|----------|-----------|
|------|----------|-----------|

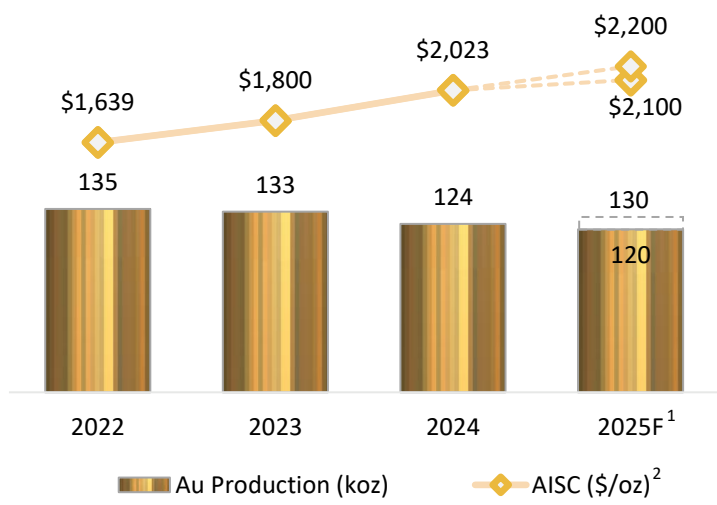
| | | |
|------------------|-----------------|------|
| Underground Mine | Ontario, Canada | 100% |
|------------------|-----------------|------|

- Timmins operation comprised of two underground gold mines (Bell Creek and Timmins West) and a leach and carbon-in-pulp processing plant at Bell Creek
- Plant throughput capacity of approximately 5,600 tpd
- Completed construction of the backfill paste plant at Bell Creek and began commissioning in October 2024

Opportunities

-  Potential to improve ground stability and increase mineral resource recovery following completion of backfill paste plant at Bell Creek
-  Exploration and development opportunities at Whitney and deep Bell Creek
-  Excess mill capacity

Production & Cost History



MINE OVERVIEW

- 120 – 130 koz**
2025F Au Production¹
- 4,100 – 4,400 tpd**
2025F Throughput¹
- \$2,100 – \$2,200**
2025F Au AISC^{1,2}
- 868 koz Au**
P&P Reserves³
- 200 koz Au**
M&I Resources³
- 383 koz Au**
Inferred Resources³

1. 2025F production, throughput, and AISC figures are based on our 2025 Guidance. Please refer to the Company's MD&A for the period ended December 31, 2024 for our 2025 Guidance and to the Cautionary Note on slide 2 of this presentation.
2. AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended March 31, 2025 for a detailed description of these measures.
3. Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 41 - 46 of this presentation for detail of our Mineral Reserves and Resources.

SAN VICENTE



Ag Zn Pb Cu

| TYPE | LOCATION | OWNERSHIP |
|------|----------|-----------|
|------|----------|-----------|

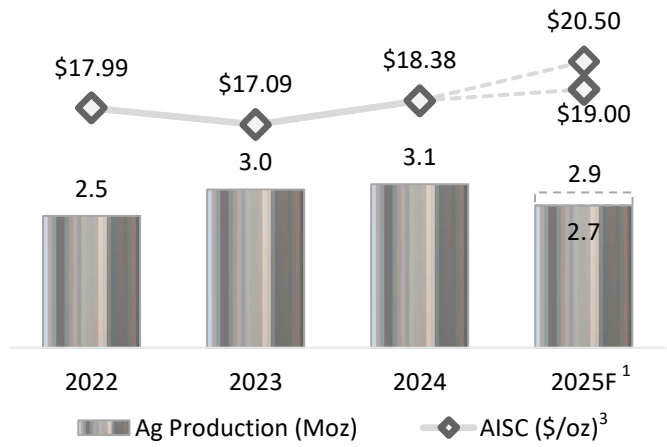
| | | |
|------------------|-----------------|-----|
| Underground Mine | Potosi, Bolivia | 95% |
|------------------|-----------------|-----|

- Produces silver-zinc and silver-lead concentrates through selective floatation processes
- Pan American has been mining at San Vicente since 2009
- Nominal mine and plant capacity of approximately 1,000 tpd
- Successful exploration has extended mine life

Opportunities

-  Leverage steady state production to strengthen silver segment
-  Near mine exploration to replace resources; veins and geophysical anomalies south of the main infrastructure

Production & Cost History



MINE OVERVIEW

- 2.7 – 2.9 Moz**
2025F Ag Production¹
- 1,075 – 1,125 tpd**
2025F Throughput^{1,2}
- \$19.00 – \$20.50**
2025F Ag AISC^{1,3}
- 14.0 Moz Ag**
P&P Reserves⁴
- 5.9 Moz Ag**
M&I Resources⁴
- 11.0 Moz Ag**
Inferred Resources⁴

Note: All data is displayed at Pan American’s attributable 95% ownership unless otherwise specified.

- 2025F production, throughput, and AISC figures are based on our 2025 Guidance. Please refer to the Company’s MD&A for the period ended December 31, 2024 for our 2025 Guidance and to the Cautionary Note on slide 2 of this presentation.
- Throughput is on an 100% basis.
- AISC is a non-GAAP measure. Please refer to the section “Alternative Performance (Non-GAAP) Measures” of the MD&A for the period ended March 31, 2025 for a detailed description of these measures.
- Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 41 - 46 of this presentation for detail of our Mineral Reserves and Resources.

MINERA FLORIDA

Au Ag Zn

| TYPE | LOCATION | OWNERSHIP |
|------|----------|-----------|
|------|----------|-----------|

Underground Mine Metropolitan Region, Chile 100%

- Minera Florida consists of several vein structures that are mined underground and processed to produce gold and silver dore bars and zinc concentrate
- Pan American acquired the mine in March 2023 pursuant to its acquisition of Yamana
- Mining is conducted using various underground variations on sublevel stoping
- Processing facilities utilize a unique combination of floatation and leaching circuits to produce both dore and concentrate products

1. 2025F production, throughput, and AISC figures are based on our 2025 Guidance. Please refer to the Company's MD&A for the period ended December 31, 2024 for our 2025 Guidance and to the Cautionary Note on slide 2 of this presentation.
2. Includes 3rd party toll treated ores.
3. AISC is a non-GAAP measure. Please refer to the section "Alternative Performance (Non-GAAP) Measures" of the MD&A for the period ended March 31, 2025 for a detailed description of these measures. AISC figures for 2022 are re-calculated using Pan American's accounting treatment for illustrative purposes.
4. Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 41 - 46 of this presentation for detail of our Mineral Reserves and Resources.
5. Production figures for 2023 represent the full year of production, including the three months that the asset was owned and operated by Yamana. AISC figures for 2023 are for the nine months that the asset was owned and operated by Pan American.
6. Yamana's accounting treatment for AISC is not consistent with Pan American's accounting treatment. Thus, Pan American's accounting treatment has been applied retroactively for comparative purposes.

Opportunities

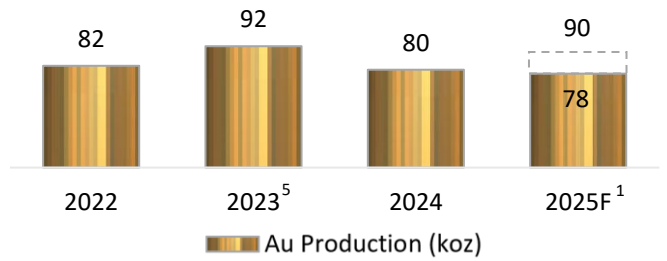


Ongoing exploration of the core mine down dip and laterally. Continued near-site exploration to the north, east and at depth where the veins are under-explored



Exploration has consistently extended life of mine over the last couple of decades

Production History



AISC History³ (\$/oz)



MINE OVERVIEW

- 78 – 90 koz**
2025F Au Production¹
- 2,700 – 2,800 tpd**
2025F Throughput^{1,2}
- \$1,700 – \$1,850**
2025F Au AISC^{1,3}
- 317 koz Au**
P&P Reserves⁴
- 670 koz Au**
M&I Resources⁴
- 531 koz Au**
Inferred Resources⁴



CERRO MORO

Ag Au

| TYPE | LOCATION | OWNERSHIP |
|------------------------|-----------------------|-----------|
| Open-Pit & Underground | Santa Cruz, Argentina | 100% |

- The operation is included in Pan American’s Silver Segment
- Operation consists of several open pit and underground mines, producing gold and silver dore through a conventional leaching and Merrill-Crowe process.
- The mines feed a single processing plant at a rate of ~1,100 tpd
- Pan American acquired the mine pursuant to its acquisition of Yamana

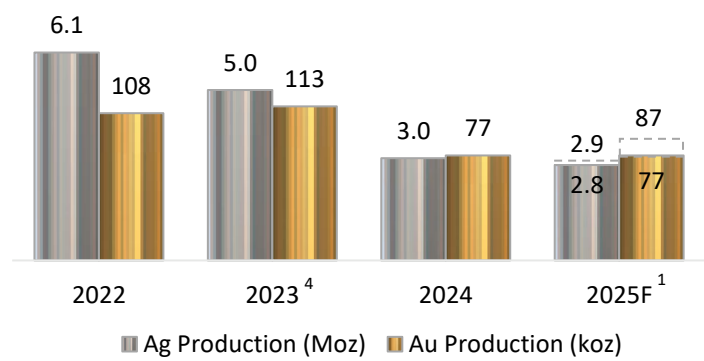
1. 2025F production, throughput, and AISC figures are based on our 2025 Guidance. Please refer to the Company’s MD&A for the period ended December 31, 2024 for our 2025 Guidance and to the Cautionary Note on slide 2 of this presentation.
2. AISC is a non-GAAP measure. Please refer to the section “Alternative Performance (Non-GAAP) Measures” of the MD&A for the period ended March 31, 2025 for a detailed description of these measures. AISC figures for 2022 are recalculated using Pan American’s accounting treatment for illustrative purposes.
3. Mineral Reserves and Resources are as at June 30, 2024. Please refer to slides 41 - 46 of this presentation for detail of our Mineral Reserves and Resources.
4. Production figures for 2023 represent the full year of production, including the three months that the asset was owned and operated by Yamana. AISC figures for 2023 are for the nine months that the asset was owned and operated by Pan American.
5. Yamana reported AISC figures based on GEO ounces and is not consistent with Pan American’s treatment. However, for comparison purposes we have recalculated 2022 AISC figures from \$1,241 per GEO to \$5.34 per Ag ounce.
6. Yamana’s accounting treatment for AISC is not consistent with Pan American’s accounting treatment. Thus, Pan American’s accounting treatment has been applied retroactively for comparative purposes.

Opportunities



Possible reduction in costs may allow us to convert previously uneconomic lower-grade resources to reserves

Production History



AISC History² (\$/oz Ag)



MINE OVERVIEW

2.8 – 2.9 Moz Ag
77 – 87 koz Au
2025F Production¹

1,100 – 1,150 tpd
2025F Throughput¹

\$6.00 – \$10.00
2024F Ag AISC^{1,2}

7.5 Moz Ag
246 koz Au
P&P Reserves³

6.3 Moz Ag
92 koz Au
M&I Resources³

3.6 Moz Ag
150 koz Au
Inferred Resources³



DOLORES

Au Ag

| TYPE | LOCATION | OWNERSHIP |
|---------------|-------------------|-----------|
| Open-Pit Mine | Chihuahua, Mexico | 100% |

- The operation is included in Pan American’s Gold Segment
- Mining activities from known ore reserves were completed in Q3 2024
- In Q1 2025, processing of low-grade stockpiles was completed and the mine entered the residual leaching phase, which is anticipated to extend until the end of 2026

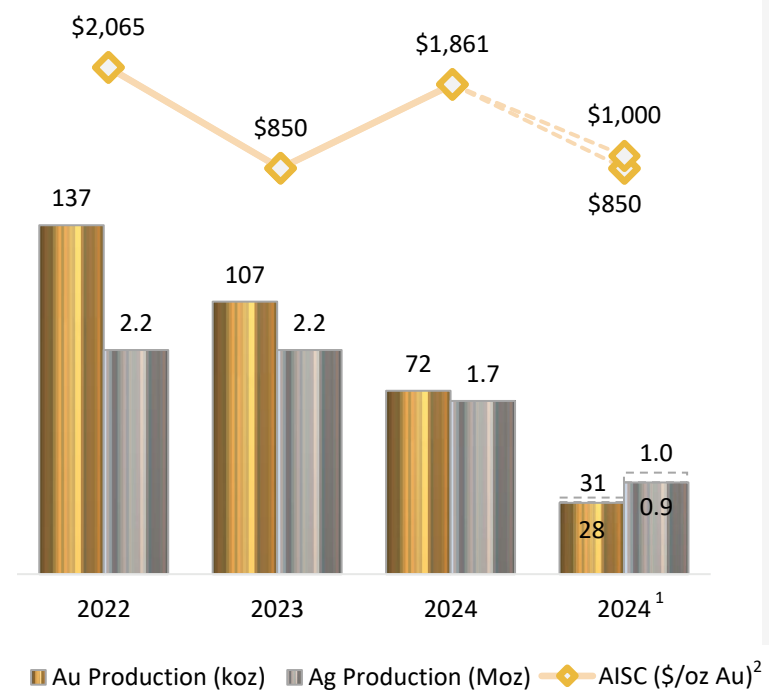
MINE OVERVIEW

28 – 31 koz Au
0.9 – 1.0 Moz Ag
 2025F Production

\$850 – \$1,000
 2025F Au AISC^{1,2}

Entering residual leaching phase

Production & Cost History



1. 2025F production and AISC figures are based on our 2025 Guidance. Please refer to the Company’s MD&A for the period ended December 31, 2024 for our 2025 Guidance and to the Cautionary Note on slide 2 of this presentation.

2. AISC is a non-GAAP measure. Please refer to the section “Alternative Performance (Non-GAAP) Measures” of the MD&A for the period ended March 31, 2025 for a detailed description of these measures.

CHUBUT, ARGENTINA

NAVIDAD

// One of the largest undeveloped primary silver deposits

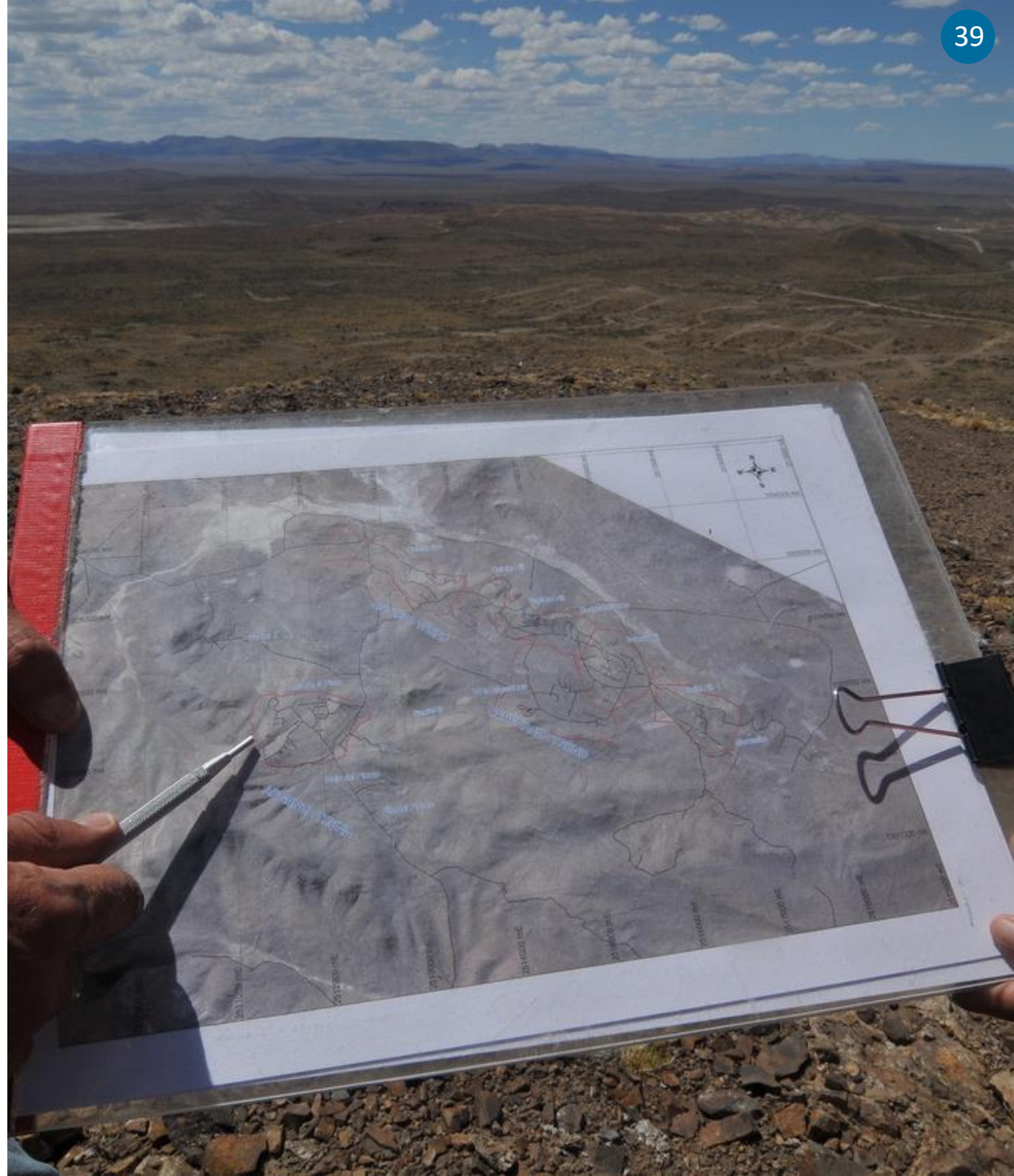


- 100% owned silver project
- Project comprises 8 individual mineral deposits in 3 separate mineralized trends
- Scalable production profile with high-grade mineralization at surface
- Development contingent on provincial mining law change
- Care and maintenance costs are minimal to maintain property ownership

Mineral Resources

| | Tonnes (Mt) | Grade | | | Contained Metal | | |
|--------------------|----------------|-------------|-----------|-----------|-----------------|------------|------------|
| | | Ag (g/t) | Cu (%) | Pb (%) | Ag (Moz) | Cu (kt) | Pb (kt) |
| M&I Resources | 155.2 | 127 | 0.06 | 0.86 | 632.4 | 71 | 1,326 |
| Inferred Resources | 45.9 | 81 | 0.02 | 0.57 | 119.4 | 9 | 262 |

(as of June 30, 2024; see slides 41 - 46 for more detailed information on the Company's reserves and resources and the metal price assumptions used for these estimates.)



LA COLORADA SKARN PEA RESULTS SUMMARY

// 50,000 tpd case

| | |
|---|-------------------------|
| Construction period | 6 years |
| Production mine life | 17 years |
| Production rate | 50 ktpd (or 18.25 Mtpa) |
| Mineable inventory | 284.7 million tonnes |
| Average annual silver produced first 10 years | 17.2 million ounces |
| Average annual zinc produced first 10 years | 427 thousand tonnes |
| Average annual lead produced first 10 years | 218 thousand tonnes |
| Unit operating costs | \$40.88 per tonne |
| Total revenue | \$23,853 million |
| Initial capital | \$2,829 million |
| Total LOM sustaining capital | \$951 million |
| Total LOM operating cost | \$11,638 million |
| Cumulative after-tax cash flow | \$5,689 million |
| After-tax NPV _(5%) | \$2,182 million |
| After-tax NPV _(6.5%) | \$1,572 million |
| After-tax NPV _(8%) | \$1,087 million |
| After-tax IRR | 14% |
| Payback period (after-tax, undiscounted) | 4.3 years |

Notes:

1. Assumes metal prices of \$2,800 per tonne of zinc, \$2,200 per tonne of lead, and \$22.00 per ounce of silver.
2. For additional information, including a sensitivity analysis, please refer to the La Colorada NI 43-101 Technical Report dated January 31, 2024, as amended.

The PEA is preliminary in nature, includes inferred mineral resources that would be 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 preliminary economic assessment will be realized.

PAN AMERICAN SILVER MINERAL RESERVES as of June 30, 2024^{1,2}

| Property | Location | Classification | Tonnes (Mt) | Ag (g/t) | Contained Ag (Moz) | Au (g/t) | Contained Au (koz) | Cu (%) | Contained Cu (kt) | Pb (%) | Contained Pb (kt) | Zn (%) | Contained Zn (kt) |
|---|-----------|--------------------------|--------------|------------|--------------------|-------------|--------------------|-------------|-------------------|-------------|-------------------|-------------|-------------------|
| Escobal | Guatemala | Proven | 2.5 | 486 | 39.5 | 0.42 | 34.2 | - | - | 1.02 | 25.7 | 1.75 | 44.4 |
| | | Probable | 22.1 | 316 | 225.0 | 0.34 | 243.8 | - | - | 0.77 | 169.9 | 1.25 | 275.7 |
| La Colorada | Mexico | Proven | 3.2 | 305 | 31.4 | 0.20 | 20.5 | - | - | 1.31 | 42.1 | 2.28 | 73.2 |
| | | Probable | 5.8 | 296 | 55.2 | 0.19 | 35.3 | - | - | 1.10 | 63.5 | 1.88 | 108.8 |
| Huaron | Peru | Proven | 6.2 | 173 | 34.4 | - | - | 0.48 | 29.6 | 1.75 | 108.7 | 3.25 | 201.4 |
| | | Probable | 3.5 | 163 | 18.2 | - | - | 0.41 | 14.2 | 1.86 | 64.7 | 3.19 | 111.0 |
| San Vicente (95%) ⁽³⁾ | Bolivia | Proven | 0.9 | 329 | 9.8 | - | - | 0.32 | 2.9 | 0.30 | 2.8 | 3.75 | 34.7 |
| | | Probable | 0.5 | 250 | 4.3 | - | - | 0.24 | 1.3 | 0.23 | 1.2 | 3.31 | 17.6 |
| Cerro Moro | Argentina | Proven | 0.4 | 272 | 3.9 | 5.58 | 80.4 | - | - | - | - | - | - |
| | | Probable | 0.6 | 200 | 3.6 | 9.31 | 165.5 | - | - | - | - | - | - |
| Total Silver Segment⁽⁴⁾ | | | 45.8 | 289 | 425.2 | 0.52 | 579.7 | 0.43 | 48.0 | 1.07 | 478.6 | 1.93 | 866.8 |
| Jacobina | Brazil | Proven | 24.0 | - | - | 1.84 | 1,420.0 | - | - | - | - | - | - |
| | | Probable | 30.3 | - | - | 1.79 | 1,742.3 | - | - | - | - | - | - |
| Shahuindo | Peru | Proven | 39.8 | 8 | 10.5 | 0.52 | 660.4 | - | - | - | - | - | - |
| | | Probable | 44.7 | 5 | 7.2 | 0.28 | 398.6 | - | - | - | - | - | - |
| El Peñon | Chile | Proven | 0.8 | 208 | 5.5 | 5.46 | 145.4 | - | - | - | - | - | - |
| | | Probable | 4.0 | 131 | 16.7 | 3.99 | 507.4 | - | - | - | - | - | - |
| Timmins | Canada | Proven | 5.4 | - | - | 2.79 | 481.4 | - | - | - | - | - | - |
| | | Probable | 4.4 | - | - | 2.74 | 386.2 | - | - | - | - | - | - |
| Minera Florida | Chile | Proven | 1.2 | 23 | 0.9 | 3.25 | 128.7 | - | - | - | - | 1.11 | 13.7 |
| | | Probable | 1.8 | 22 | 1.3 | 3.18 | 188.0 | - | - | - | - | 0.91 | 16.7 |
| Dolores | Mexico | Proven | 1.2 | 16 | 0.6 | 0.35 | 13.3 | - | - | - | - | - | - |
| | | Probable | - | - | - | - | - | - | - | - | - | - | - |
| Total Gold Segment⁽⁴⁾ | | | 157.5 | 14 | 42.7 | 1.20 | 6,071.6 | - | - | - | - | 0.99 | 30.4 |
| Total Gold and Silver Segments⁽⁴⁾ | | Proven + Probable | 203.3 | 105 | 468.0 | 1.08 | 6,651.3 | 0.43 | 48.0 | 1.07 | 478.6 | 1.87 | 897.2 |

(1) See table below entitled "Metal price assumptions used to estimate mineral reserves and mineral resources as at June 30, 2024".

(2) Table has been updated to reflect the completion of the sale on December 2, 2024, of Pan American's interest in La Arena S.A., which owns the La Arena gold mine and the La Arena II copper-gold project.

(3) This information represents the portion of mineral reserves attributable to Pan American based on its ownership interest in the operation entity as indicated.

(4) Totals may not add up due to rounding. Total average grades of each metal are with respect to those mines that produce the metal.

PAN AMERICAN SILVER MEASURED + INDICATED RESOURCES

as of June 30, 2024^{1,2,3}

| Property | Location | Classification | Tonnes (Mt) | Ag (g/t) | Contained Ag (Moz) | Au (g/t) | Contained Au (koz) | Cu (%) | Pb (%) | Zn (%) |
|---|-----------|----------------|--------------|-----------|--------------------|-------------|--------------------|-------------|-------------|-------------|
| Navidad | Argentina | Measured | 15.4 | 137 | 67.8 | - | - | 0.10 | 1.44 | - |
| | | Indicated | 139.8 | 126 | 564.5 | - | - | 0.04 | 0.79 | - |
| La Colorada Skarn | Mexico | Indicated | 265.4 | 36 | 308.7 | - | - | - | 1.37 | 2.85 |
| Escobal | Guatemala | Measured | 2.3 | 251 | 18.6 | 0.23 | 16.7 | - | 0.31 | 0.59 |
| | | Indicated | 14.2 | 201 | 91.6 | 0.20 | 93.0 | - | 0.38 | 0.66 |
| Huaron | Peru | Measured | 1.3 | 196 | 8.3 | - | - | 0.62 | 1.73 | 3.23 |
| | | Indicated | 1.8 | 162 | 9.4 | - | - | 0.26 | 1.76 | 3.29 |
| La Colorada | Mexico | Measured | 0.4 | 231 | 2.7 | 0.11 | 1.2 | - | 0.85 | 1.20 |
| | | Indicated | 2.1 | 181 | 12.2 | 0.27 | 18.4 | - | 0.60 | 1.02 |
| Manantial Espejo ⁽⁴⁾ | Argentina | Measured | 0.3 | 164 | 1.7 | 2.40 | 24.7 | - | - | - |
| | | Indicated | 1.0 | 149 | 4.9 | 2.79 | 91.5 | - | - | - |
| Cerro Moro | Argentina | Measured | 0.1 | 226 | 0.9 | 5.48 | 21.4 | - | - | - |
| | | Indicated | 0.5 | 347 | 5.5 | 4.50 | 70.7 | - | - | - |
| San Vicente (95%) ⁽⁵⁾ | Bolivia | Measured | 0.7 | 180 | 4.1 | - | - | 0.21 | 0.22 | 2.55 |
| | | Indicated | 0.3 | 203 | 1.8 | - | - | 0.21 | 0.23 | 2.88 |
| Total Silver Segment⁽⁶⁾ | | | 445.6 | 77 | 1,102.7 | 0.50 | 337.6 | 0.05 | 1.15 | 2.71 |

⁽¹⁾ See table below entitled "Metal price assumptions used to estimate mineral reserves and mineral resources as at June 30, 2024".

⁽²⁾ Mineral resources are reported exclusive of mineral reserves.

⁽³⁾ Table has been updated to reflect: the completion of the sale of Joaquin on October 10, 2024; and the completion of the sale on December 2, 2024, of Pan American's interest in La Arena S.A., which owns the La Arena gold mine and the La Arena II copper-gold project.

⁽⁴⁾ Manantial Espejo was placed on care and maintenance in January 2023.

⁽⁵⁾ This information represents the portion of mineral resources attributable to Pan American based on its ownership interest in the operating entity as indicated.

⁽⁶⁾ Totals may not add up due to rounding. Total average grades of each metal are with respect to those mines that produce the metal.

PAN AMERICAN SILVER MEASURED + INDICATED RESOURCES

as of June 30, 2024^{1,2,3}

| Property | Location | Classification | Tonnes (Mt) | Ag (g/t) | Contained Ag (Moz) | Au (g/t) | Contained Au (koz) | Cu (%) | Pb (%) | Zn (%) |
|---|----------|-----------------------------|--------------|-----------|--------------------|-------------|--------------------|-------------|-------------|-------------|
| Jacobina | Brazil | Measured | 39.7 | | | 1.70 | 2,175.1 | - | - | - |
| | | Indicated | 55.1 | | | 1.58 | 2,796.0 | - | - | - |
| La Pepa (80%) ⁽⁵⁾ | Chile | Measured | 47.1 | | | 0.61 | 922.8 | - | - | - |
| | | Indicated | 52.3 | | | 0.49 | 824.3 | - | - | - |
| El Peñon | Chile | Measured | 1.6 | 166 | 8.3 | 5.25 | 262.2 | - | - | - |
| | | Indicated | 3.8 | 112 | 13.8 | 3.44 | 423.1 | - | - | - |
| Minera Florida | Chile | Measured | 1.9 | 17 | 1.1 | 3.26 | 202.6 | - | - | 1.30 |
| | | Indicated | 4.1 | 19 | 2.5 | 3.54 | 467.6 | - | - | 1.08 |
| La Bolsa | Mexico | Measured | 10.8 | 10 | 3.5 | 0.70 | 242.8 | - | - | - |
| | | Indicated | 10.6 | 8 | 2.7 | 0.54 | 184.3 | - | - | - |
| Lavra Velha | Brazil | Indicated | 4.5 | | | 1.96 | 282.1 | - | - | - |
| Pico Machay | Peru | Measured | 4.7 | | | 0.91 | 137.5 | - | - | - |
| | | Indicated | 5.9 | | | 0.67 | 127.1 | - | - | - |
| Timmins | Canada | Measured | 1.1 | | | 2.48 | 85.5 | - | - | - |
| | | Indicated | 1.3 | | | 2.76 | 114.2 | - | - | - |
| Shahuindo | Peru | Measured | 8.8 | 7 | 2.0 | 0.38 | 108.5 | - | - | - |
| | | Indicated | 6.8 | 6 | 1.2 | 0.34 | 74.2 | - | - | - |
| Vogel | Canada | Indicated | 2.2 | | | 1.75 | 125.0 | - | - | - |
| Gold River | Canada | Indicated | 0.7 | | | 5.29 | 117.4 | - | - | - |
| Whitney(83.27%) ⁽⁵⁾ | Canada | Measured | 0.0 | | | 0.00 | 0.0 | - | - | - |
| | | Indicated | 0.6 | | | 3.77 | 77.9 | - | - | - |
| Marlhill | Canada | Indicated | 0.4 | | | 4.52 | 57.4 | - | - | - |
| Dolores | Mexico | Measured | 3.0 | 30 | 2.9 | 0.41 | 39.4 | - | - | - |
| | | Indicated | 0.6 | 73 | 1.5 | 1.40 | 28.8 | - | - | - |
| Total Gold Segment⁽⁶⁾ | | | 267.7 | 24 | 39.6 | 1.15 | 9,875.9 | | | 1.15 |
| Total Gold and Silver Segments⁽⁶⁾ | | Measured + Indicated | 713.2 | 71 | 1,142.2 | 1.10 | 10,213.5 | 0.05 | 1.15 | 2.68 |

⁽¹⁾ See table below entitled "Metal price assumptions used to estimate mineral reserves and mineral resources as at June 30, 2024".

⁽²⁾ Mineral resources are reported exclusive of mineral reserves.

⁽³⁾ Table has been updated to reflect: the completion of the sale of Joaquin on October 10, 2024; and the completion of the sale on December 2, 2024, of Pan American's interest in La Arena S.A., which owns the La Arena gold mine and the La Arena II copper-gold project.

⁽⁴⁾ Manantial Espejo was placed on care and maintenance in January 2023.

⁽⁵⁾ This information represents the portion of mineral resources attributable to Pan American based on its ownership interest in the operating entity as indicated.

⁽⁶⁾ Totals may not add up due to rounding. Total average grades of each metal are with respect to those mines that produce the metal.

PAN AMERICAN SILVER INFERRED MINERAL RESOURCES

as of June 30, 2024^{1,2,3}

| Property | Location | Classification | Tonnes (Mt) | Ag (g/t) | Contained Ag (Moz) | Au (g/t) | Contained Au (koz) | Cu (%) | Pb (%) | Zn (%) |
|---|-----------|-----------------|--------------|-----------|--------------------|-------------|--------------------|-------------|-------------|-------------|
| Navidad | Argentina | Inferred | 45.9 | 81 | 119.4 | - | - | 0.02 | 0.57 | |
| La Colorada | Mexico | Inferred | 12.4 | 235 | 93.8 | 0.19 | 74.4 | | 1.68 | 2.95 |
| La Colorada Skarn | Mexico | Inferred | 61.7 | 30 | 58.6 | - | - | | 0.95 | 2.55 |
| Huaron | Peru | Inferred | 5.2 | 165 | 27.5 | - | - | 0.33 | 1.73 | 3.07 |
| San Vicente (95%) ⁽⁴⁾ | Bolivia | Inferred | 1.6 | 213 | 11.0 | - | - | 0.23 | 0.25 | 2.37 |
| Escobal | Guatemala | Inferred | 1.9 | 180 | 10.7 | 0.90 | 53.7 | | 0.22 | 0.42 |
| Cerro Moro | Argentina | Inferred | 0.7 | 168 | 3.6 | 6.98 | 149.8 | - | - | - |
| Manantial Espejo ⁽⁵⁾ | Argentina | Inferred | 0.5 | 106 | 1.8 | 1.49 | 25.2 | - | - | - |
| Total Silver Segment⁽⁶⁾ | | | 129.8 | 78 | 326.5 | 0.61 | 303.1 | 0.06 | 0.90 | 2.59 |
| Jacobina | Brazil | Inferred | 57.1 | - | - | 1.77 | 3,249.5 | - | - | - |
| Gold River | Canada | Inferred | 5.3 | - | - | 6.06 | 1,027.4 | - | - | - |
| El Peñon | Chile | Inferred | 18.4 | 48 | 28.6 | 1.38 | 816.4 | - | - | - |
| Arco Sul | Brazil | Inferred | 6.2 | - | - | 3.08 | 614.2 | - | - | - |
| Minera Florida | Chile | Inferred | 5.4 | 15 | 2.7 | 3.03 | 531.2 | - | - | 0.80 |
| Whitney (83.27%) ⁽⁴⁾ | Canada | Inferred | 4.0 | - | - | 3.75 | 477.7 | - | - | - |
| Pico Machay | Peru | Inferred | 23.9 | - | - | 0.58 | 445.7 | - | - | - |
| Timmins | Canada | Inferred | 3.5 | - | - | 3.37 | 382.5 | - | - | - |
| La Pepa (80%) ⁽³⁾ | Chile | Inferred | 20.0 | - | - | 0.46 | 296.1 | - | - | - |
| Lavra Velha | Brazil | Inferred | 4.7 | - | - | 1.56 | 238.0 | - | - | - |
| La Bolsa | Mexico | Inferred | 13.7 | 8 | 3.3 | 0.51 | 224.6 | - | - | - |
| Vogel | Canada | Inferred | 1.5 | - | - | 3.60 | 168.8 | - | - | - |
| Shahuindo | Peru | Inferred | 17.3 | 4 | 2.1 | 0.21 | 115.8 | - | - | - |
| Dolores | Mexico | Inferred | 0.9 | 56 | 1.6 | 1.65 | 45.8 | - | - | - |
| Total Gold Segment⁽⁶⁾ | | | 181.9 | 21 | 38.2 | 1.48 | 8,633.7 | | - | 0.80 |
| Total Gold and Silver Segments⁽⁶⁾ | | Inferred | 311.8 | 61 | 364.7 | 1.41 | 8,936.8 | 0.06 | 0.90 | 2.48 |

⁽¹⁾ See table below entitled "Metal price assumptions used to estimate mineral reserves and mineral resources as at June 30, 2024".

⁽²⁾ Mineral resources are reported exclusive of mineral reserves.

⁽³⁾ Table has been updated to reflect: the completion of the sale of Joaquin on October 10, 2024; and the completion of the sale on December 2, 2024, of Pan American's interest in La Arena S.A., which owns the La Arena gold mine and the La Arena II copper-gold project.

⁽⁴⁾ This information represents the portion of mineral resources attributable to Pan American based on its ownership interest in the operating entity as indicated.

⁽⁵⁾ Manantial Espejo was placed on care and maintenance in January 2023.

⁽⁶⁾ Totals may not add up due to rounding. Total average grades of each metal are with respect to those mines that produce the metal.

METAL PRICE ASSUMPTIONS USED TO ESTIMATE MINERAL RESERVES & RESOURCES

as of June 30, 2024

| Mine | Category | Ag US\$/oz | Au US\$/oz | Cu US\$/t | Pb US\$/t | Zn US\$/t |
|-------------------|----------------|------------|------------|-----------|-----------|-----------|
| Escobal | All categories | 20.00 | 1,300 | | 2,204 | 2,424 |
| La Colorada | Reserves | 20.00 | 1,700 | 8,000 | 2,100 | 2,600 |
| | Resources | 22.00 | 1,850 | 9,000 | 2,200 | 2,800 |
| La Colorada Skarn | Resources | 22.00 | | | 2,200 | 2,800 |
| Huaron | Reserves | 20.00 | 1,700 | 8,000 | 2,100 | 2,600 |
| | Resources | 22.00 | 1,850 | 9,000 | 2,200 | 2,800 |
| San Vicente | All categories | 20.00 | 1,700 | 8,000 | 2,100 | 2,600 |
| Cerro Moro | Reserves | 21.00 | 1,850 | | | |
| | Resources | 23.00 | 1,950 | | | |
| Navidad | All categories | 12.52 | | | 1,100 | |
| | Resources | 22.00 | 1,700 | | | |
| Manantial Espejo | Resources | 22.00 | 1,700 | | | |
| Jacobina | Reserves | | 1,700 | | | |
| | Resources | | 1,850 | | | |
| Shahuindo | Reserves | 20.00 | 1,700 | | | |
| | Resources | 22.00 | 1,850 | | | |
| El Peñon | Reserves | 20.00 | 1,700 | | | |
| | Resources | 22.00 | 1,850 | | | |

METAL PRICE ASSUMPTIONS USED TO ESTIMATE MINERAL RESERVES & RESOURCES

as of June 30, 2024

| Mine | Category | Ag US\$/oz | Au US\$/oz | Cu US\$/t | Pb US\$/t | Zn US\$/t |
|----------------|----------------|------------|------------|-----------|-----------|-----------|
| Timmins West | Reserves | 21.00 | 1,850 | | | |
| | Resources | 23.00 | 1,950 | | | |
| Bell Creek | Reserves | 21.00 | 1,850 | | | |
| | Resources | 23.00 | 1,950 | | | |
| Whitney | Resources | | 1,950 | | | |
| Minera Florida | Reserves | 21.00 | 1,850 | | 2,100 | 2,600 |
| | Resources | 23.00 | 1,950 | | 2,200 | 2,800 |
| Dolores | Reserves | 21.00 | 1,850 | | | |
| | Resources | 23.00 | 1,950 | | | |
| La Pepa | Resources | | 1,650 | | | |
| La Bolsa | All categories | 14.00 | 825 | | | |
| Lavra Velha | Resources | | 1,650 | | | |
| Pico Machay | All categories | | 700 | | | |
| Vogel | Inside pit | | 1,150 | | | |
| | Below pit | | 1,150 | | | |
| Gold River | Resources | | 1,200 | | | |
| Marlhill | Resources | | 1,125 | | | |

GENERAL NOTES APPLICABLE TO THE FOREGOING TABLES:

All mineral reserves and mineral resources have been estimated in accordance with the *CIM Definition Standards on Mineral Resources and Mineral Reserves*, adopted by the CIM Council, as amended (the "CIM Standards") and reported in accordance with National Instrument 43-101 – *Standards of Disclosure for Mineral Projects* ("NI 43-101"). Mineral resources are reported exclusives of mineral reserves.

Pan American does not expect these mineral reserve and mineral resource estimates to be materially affected by metallurgical, environmental, permitting, legal, taxation, socio-economic, political, and marketing or other relevant issues.

The Company has undertaken a verification process with respect to the data disclosed in this presentation. The mineral resource and mineral reserves databases comprising drilling and, in some cases, surface and underground sampling, have been compiled at each of the Pan American mine sites by the qualified staff. All the assay data used in the resource evaluation provided by each of the mines has been subjected to the industry standard quality assurance and quality control ("QA/QC") program including the submission of certified standards, blanks, and duplicate samples. The results are reviewed monthly by management. The results of the QA/QC samples submitted for the resource databases demonstrate acceptable accuracy and precision. The Qualified Person is of the opinion that the sample preparation, analytical, and security procedures followed for the samples are sufficient and reliable for the purpose of these mineral resource and mineral reserve estimates. Pan American is not aware of any drilling, sampling, recovery or other factors that could materially affect the accuracy or reliability of the data reported herein.

Quantities and grades of contained metal are shown before metallurgical recoveries.

Technical information contained in this presentation with respect to Pan American has been reviewed and approved by Christopher Emerson, FAusIMM., Senior Vice President of Exploration and Geology, and Martin Wafforn, P.Eng., Senior Vice President Technical Services and Process Optimization, who are each Qualified Persons for the purposes of NI 43-101.

Pan American Silver Corp. is authorized by The Association of Professional Engineers and Geoscientists of the Province of British Columbia to engage in Reserved Practice under Permit to Practice number 1001470

Please refer to the disclosure under the headings "Technical Information" and "Cautionary Note to U.S. Investors Concerning Estimates of Mineral Reserves and Resources" on slide 3 of this presentation.



PAN AMERICAN
— SILVER —

Siren Fisekci

VP, INVESTOR RELATIONS & CORPORATE COMMUNICATIONS

+1.604.806.3191 | ir@panamericansilver.com

panamericansilver.com

Suite 2100, 733 Seymour St
Vancouver, BC, V6B 0S6

