

CIBC Western Institutional Investor Conference

January 2024

Cautionary Notes

Cautionary Note Regarding Forward-Looking Statements

Except for statements of historical fact relating to the Company, certain statements contained in this presentation constitute forward-looking information, future oriented financial information, or financial outlooks (collectively "forward-looking information") within the meaning of applicable securities laws. Forward-looking information may be contained in this document and the Company's other public filings. Forward-looking information relates to statements concerning the Company's outlook and anticipated events or results and in some cases, can be identified by terminology such as "may", "will", "could", "should", "expect", "plan", "anticipate", "believe", "intend", "estimate", "projects", "predict", "potential", "continue" or other similar expressions concerning matters that are not historical facts.

Forward-looking information and statements in this presentation are based on certain key expectations and assumptions made by the Company. Although the Company believes that the expectations and assumptions on which such forward-looking information and statements are based are reasonable, undue reliance should not be placed on the forward-looking information and statements because the Company can give no assurance that they will prove to be correct. Forward-looking information and statements are subject to various risks and uncertainties which could cause actual results and experience to differ materially from the anticipated results or expectations expressed in this presentation. The key risks and uncertainties include, but are not limited to: local and global political and economic conditions; governmental and regulatory requirements and actions by governmental authorities, including changes in government policy, government ownership requirements, changes in environmental, tax and other laws or regulations and the interpretation thereof; developments with respect to COVID-19 pandemic, including the duration, severity and scope of the pandemic and potential impacts on mining operations; and other risk factors detailed from time to time in the Company's reports filed with the Securities and Exchange Commission on EDGAR and the Canadian securities regulatory authorities on SEDAR.

Forward-looking information and statements in this presentation include statements concerning, among other things: forecasts; outlook; timing of production; production, cost, operating and capital expenditure guidance; the Company's intention to return excess attributable free cash flow to shareholders; the timing and implementation of the Company's dividend policy; the implementation of any share buyback program and the amount thereof; statements regarding plans or expectations for the declaration of future dividends and the amount thereof; future cash costs and all in sustaining costs ("AISC") per ounce of gold, silver and other metals sold; the prices of gold, silver and other metals; Mineral Resources, Mineral Reserves, realization of Mineral Reserves, and the existence or realization of Mineral Resource estimates; the Company's ability to discover new areas of mineralization; the timing and extent of capital investment at the Company's operations; the timing and extent of capitalized stripping at the Company's operations; the timing of production and production levels and the results of the Company's exploration and development programs; current financial resources being sufficient to carry out plans, commitments and business requirements for the next twelve months; movements in commodity prices not impacting the value of any financial instruments; estimated production rates for gold, silver and other metals produced by the Company; the estimated cost of sustaining capital; availability of sufficient financing; receipt of regulatory approvals; the timing of studies, announcements, and analysis; the timing of construction and development of proposed mines and process facilities; ongoing or future development plans and capital replacement; estimates of expected or anticipated economic returns from the Company's mining projects, including future sales of metals, concentrate or other products produced by the Company and the timing thereof; the Company's plans and expectations for its properties and operations; the impact of any suspension on operations; and all other timing, exploration, development, operational, financial, budgetary, economic, legal, social, environmental, regulatory, and political matters that may influence or be influenced by future events or conditions.

Such forward-looking information and statements are based on a number of material factors and assumptions, including, but not limited in any manner to, those disclosed in any other of the Company's filings on EDGAR and SEDAR, and include: the inherent speculative nature of exploration results; the ability to explore; communications with local stakeholders; maintaining community and governmental relations; status of negotiations and potential transactions, including joint ventures; weather conditions at the Company's operations; commodity prices; the ultimate determination of and realization of Mineral Reserves; existence or realization of Mineral Resources; the development approach; availability and receipt of required approvals, titles, licenses and permits; sufficient working capital to develop and operate the mines and implement development plans; access to adequate services and supplies; foreign currency exchange rates; interest rates; access to capital markets and associated cost of funds; availability of a qualified work force; ability to negotiate, finalize, and execute relevant agreements; lack of social opposition to the Company's mines or facilities; lack of legal challenges with respect to the Company's properties; the timing and amount of future production; the ability to meet production, cost, and capital expenditure targets; timing and ability to produce studies and analyses; capital and operating expenditures; economic conditions; availability of sufficient financing; the ultimate ability to mine, process, and sell mineral products on economically favorable terms; and any and all other timing, exploration, development, operational, financial, budgetary, economic, legal, social, geopolitical, regulatory and political factors that may influence future events or conditions. While the Company consider these factors and assumptions to be reasonable based on information currently available to the Company, they may prove to be incorrect.

The above list is not exhaustive of the factors that may affect any of the Company's forward-looking statements and information. You should not place undue reliance on forward-looking information and statements. Forward-looking information and statements are only predictions based on the Company's current expectations and the Company's projections about future events. For additional cautionary notes and assumptions regarding the Hod Maden project referenced within this presentation, readers should refer to the Company's Investor Presentation and news release related to the transaction on May 8, 2023, filed as a Current Report on Form 8-K with the SEC and available under the Company's corporate profile on EDGAR at www.sec.gov or on the Company's website at www.ssrmining.com. Actual results may vary from such forward-looking information for a variety of reasons including, but not limited to, risks and uncertainties disclosed in the Company's filings on the Company's website at www.ssrmining.com, on EDGAR at www.sec.gov, on SEDAR at www.sedarplus.ca, and on the ASX at www.asx.com.au and other unforeseen events or circumstances. Other than as required by law, the Company does not intend, and undertake no obligation to update any forward-looking information to reflect, among other things, new information or future events.

All references to "$" in this presentation are to U.S. dollars unless otherwise stated.

Qualified Persons

The scientific and technical information concerning our mineral projects in this presentation have been reviewed and approved by a "qualified person" under subpart 1 of Regulation S-K 1300 ("S-K 1300"). For details on the "qualified persons" approving such information, a description of the key assumptions, parameters and methods used to estimate mineral reserves and mineral resources included in this presentation, as well as data verification procedures and a general discussion of the extent to which the estimates may be affected by any known environmental, permitting, legal, title, taxation, sociopolitical, marketing or other relevant factors, please review the Technical Report Summaries for each of the Company's material properties which are available under the Company's corporate profile on EDGAR at www.sec.gov. 2022 Mineral Reserves and Mineral Resources were determined in accordance with Regulation S-K. Reserves and resources for prior periods were determined in accordance with Canadian National Instrument 43-101 – Standards of Disclosure for Mineral Projects ("NI 43-101"). Both sets of reporting standards have similar goals in terms of conveying an appropriate level of confidence in the disclosures being reported, but the standards embody slightly different approaches and definitions.

Cautionary Note Regarding Mineral Reserves and Mineral Resources Estimates

This presentation includes terms that comply with reporting standards in Canada under NI 43-101, including the terms "Mineral Reserves" and "Mineral Resources", in addition to terms that comply with reporting standards in the United States under S-K 1300. 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. The standards of NI 43-101 differ significantly from the requirements of the SEC. Accordingly, information concerning mineral deposits set forth herein may not be comparable with information made in accordance with U.S. standards.

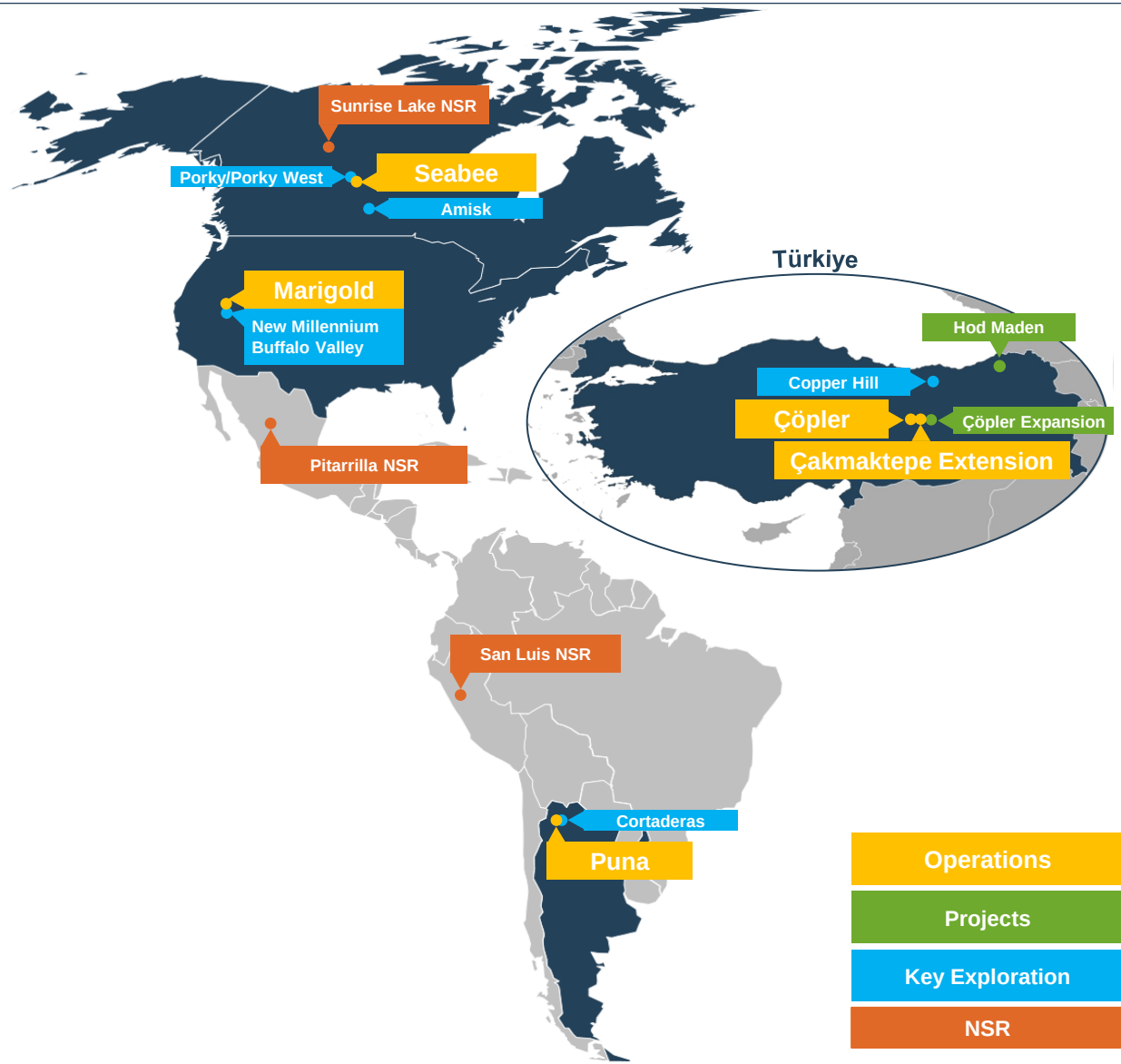
Cautionary Note Regarding Non-GAAP Measures

This presentation includes certain non-GAAP terms or performance measures commonly used in the mining industry, including free cash flow, cash costs and AISC per ounce of gold and silver sold, adjusted attributable net income, adjusted basic attributable net income per share, consolidated cash and consolidated net cash. Non-GAAP measures do not have any standardized meaning prescribed and, therefore, they may not be comparable to similar measures employed by other companies. The Company believe that, in addition to conventional measures prepared in accordance with GAAP, certain investors use this information to evaluate the Company's performance. The data presented is intended to provide additional information and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with GAAP. Readers should refer to the endnotes in this presentation for further information regarding how the Company calculates certain of these measures. Readers should also refer to the Company's form 10-K and 10-Q filings available under the Company's corporate profile on EDGAR at www.sec.gov or on the Company's website at www.ssrmining.com, under the heading "Non-GAAP Financial Measures" for a more detailed discussion of how the Company calculates such measures and a reconciliation of certain measures to GAAP terms. See Endnote (5) for additional details.

Diversified Portfolio of High Quality, Long-Life Assets

High Returning Development Projects to Deliver Meaningful Growth

High Quality Diversified Portfolio	**4 Operations** *~707,000 GEOs produced in 2023*	**15+ year** *weighted average mine life*	**~9Moz AuEq** *attributable mineral reserves*
Organic Growth	**Hod Maden** *+30% IRR; construction decision in 2024*	**Çakmaktepe Extension** *achieved first production in Q3 2023*	**Çöpler Expansion** *Grind-Leach Circuit to improve recoveries & drive NAV accretion*
Balance Sheet Strength	**$938M** *in total liquidity*	**$438M** *in total cash*	**>$300M** *in non-core asset sales reinvested into core jurisdictions*
Robust Capital Returns	**$453M** *returned to shareholders since 2021; +20% of market capitalization*	**~5.0%** *average capital returns yield over last three years*	**2.6%** *base dividend yield*
Track Record of Delivery	**Building & Operating** *diverse skill set focused on continuous improvement initiatives*	**Sustainability** *continued operational delivery and EHSS leadership*	**M&A** *track record of accretive M&A*



** See end notes for non-GAAP metrics and additional details; Balance sheet metrics as of end-Q3/23; Mineral Reserves include Hod Maden on a 10% attributable basis; non-core asset sales figure based on proceeds from announced transactions since 2021, see page 23 and endnotes for additional information; Capital returns include base dividend and NCIB repurchases; see page 8 and endnotes for additional details on capital returns program*

Our Sustainability Vision: Living Our Values

Continuously Striving to Improve Performance in Focus Areas

SSR MINING Safe Sustainable Responsible



Responsible Environmental Stewards

- Developed a global water strategy in 2022; 2023 focused on implementing enhanced water management plans at each of our sites
- Committed to reduce greenhouse gas emissions
- SSR Mining became a corporate signatory to the International Cyanide Management Code in January, 2024

Engage & Invest in Local Communities

- Over $2.5 million in community investment in 2022, including economic development and scholarships
- Dedicated Social Development Funds at both Puna and Çöpler operations
- Çöpler Stakeholder Engagement Program, includes quarterly presentations and regular meetings with unions and local representatives





Proactive Approach to Health & Safety

- Site-specific initiatives and on-site health campaigns aimed at improving overall employee well-being
- Implemented a focused Leadership in the Field initiative designed to facilitate quality workplace health and safety conversations
- Improved Critical Risk management systems at sites to minimize potential risks

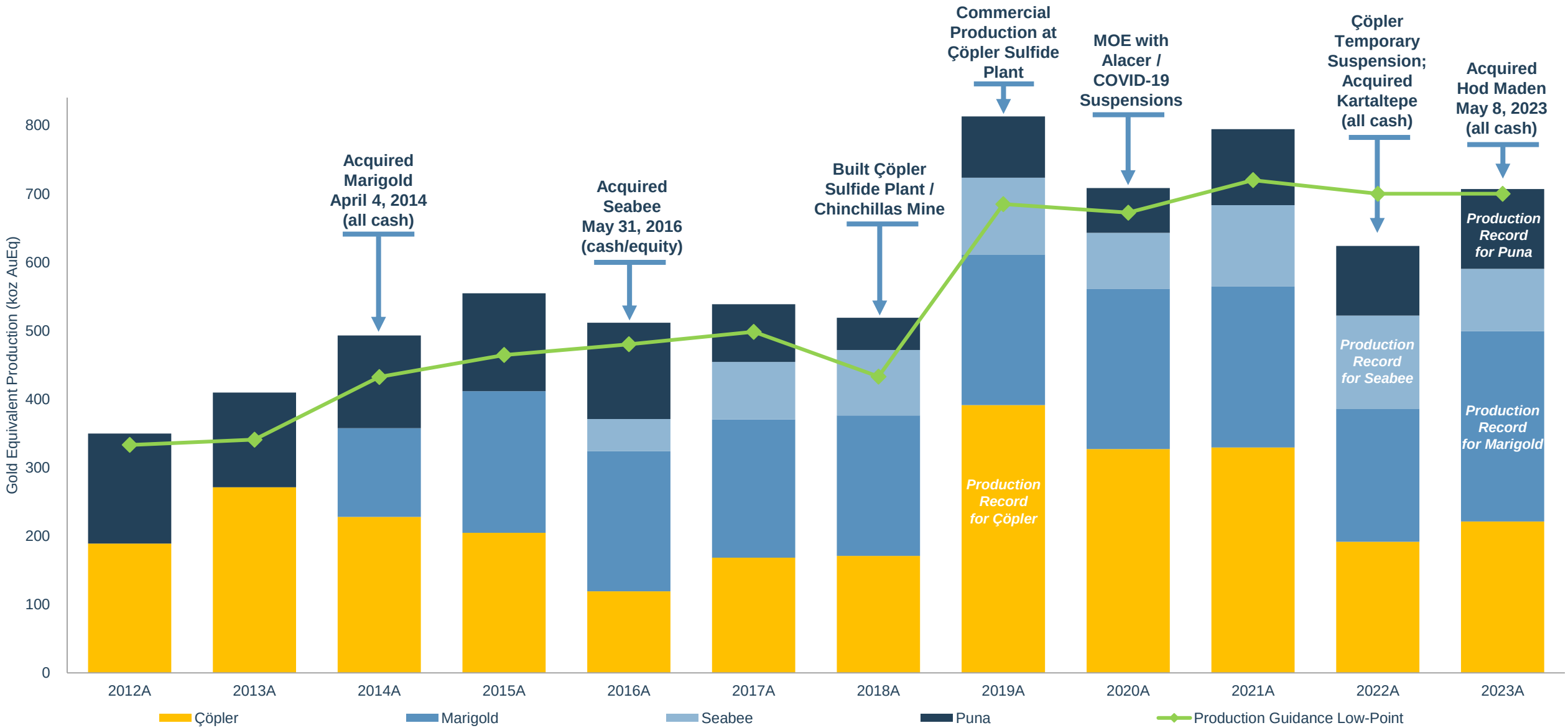
Commitment to Our People

- Committed to CEO in Action initiative with a focus on advancing diversity & inclusion within the workplace
- Member of the 30% Club Canada aimed at accelerating advancement of women in boardrooms
- Strengthened our partnership with Women in Mining and advanced our employee development and inclusion programs



Diversified Portfolio With Track Record of Operational Delivery

SSR Mining Has Achieved Production Guidance in 11 of the Last 12 Years



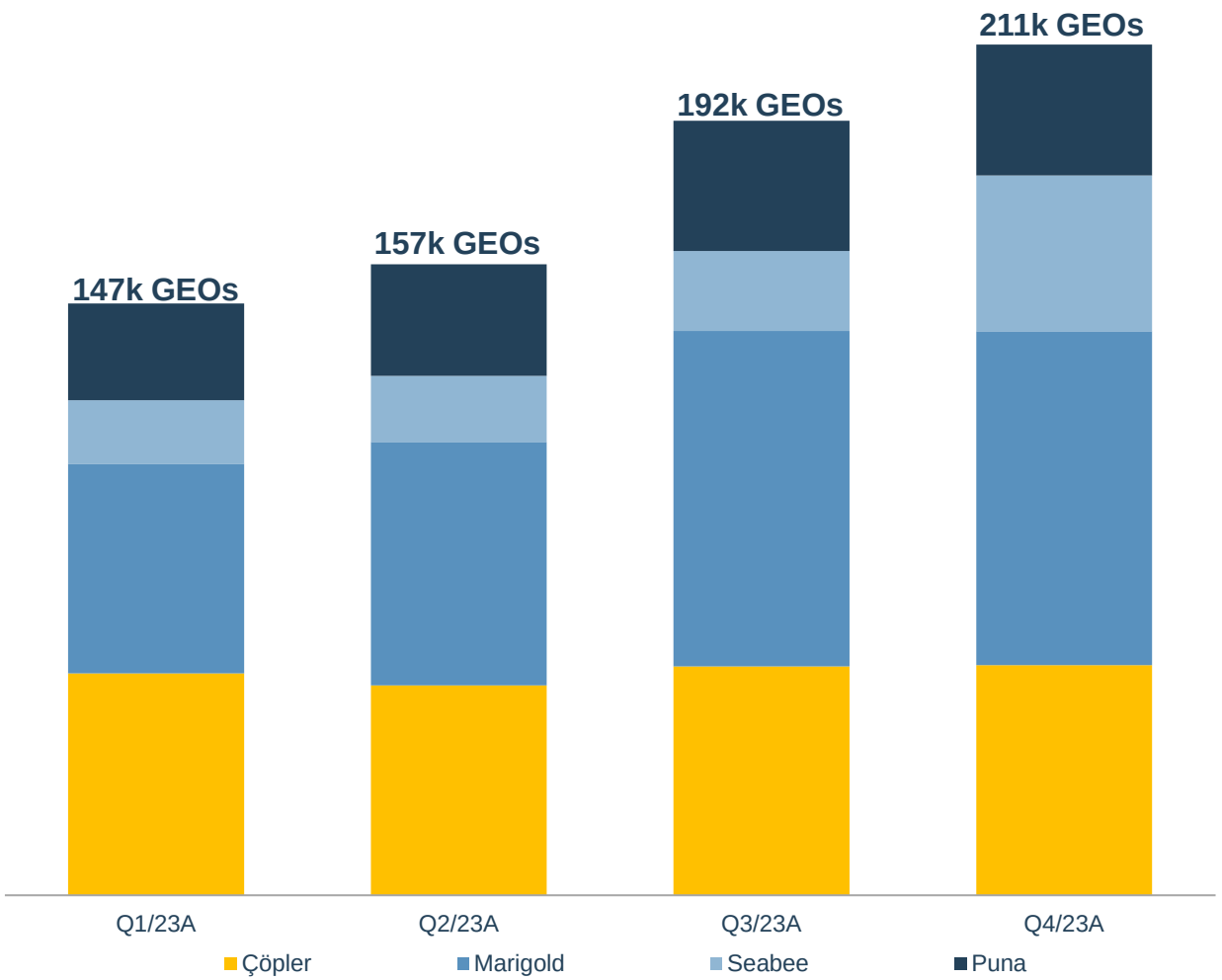
Historical production is reported on a consolidated basis and is a combination of SSR Mining and Alacer Gold production figures; See endnotes for additional details

Achieved 2023 Production Guidance

Fourth Quarter Production of 211,000 GEOs Expected to Drive Strong Free Cash Flow Into Year-End

2023 Production Results by Quarter

2023 featured record full-year production from Marigold and Puna



Fourth Quarter and Full Year Preliminary Operating Results

Operating Data (100% basis)		Three Months Ended December 31, 2023	Three Months Ended December 31, 2022	Twelve Months Ended December 31, 2023	Twelve Months Ended December 31, 2022
Çöpler [1]					
Gold produced	*oz*	**57,126**	65,603	**220,999**	191,366
Gold sold	*oz*	**59,694**	59,949	**225,599**	192,811
Marigold					
Gold produced	*oz*	**82,794**	62,875	**278,488**	194,668
Gold sold	*oz*	**81,173**	62,936	**275,962**	195,617
Seabee					
Gold produced	*oz*	**38,758**	24,709	**90,777**	136,125
Gold sold	*oz*	**32,050**	23,500	**83,610**	133,500
Puna					
Silver produced	*'000 oz*	**2,759**	2,389	**9,688**	8,397
Silver sold	*'000 oz*	**2,830**	2,098	**9,920**	7,864
Consolidated [2]					
GEOs produced	*oz*	**211,118**	182,655	**706,896**	623,819
GEOs sold (oz)	*oz*	**206,194**	172,308	**704,594**	617,135

[1] Figures are reported on a 100% basis. Çöpler is 80% owned by SSR Mining

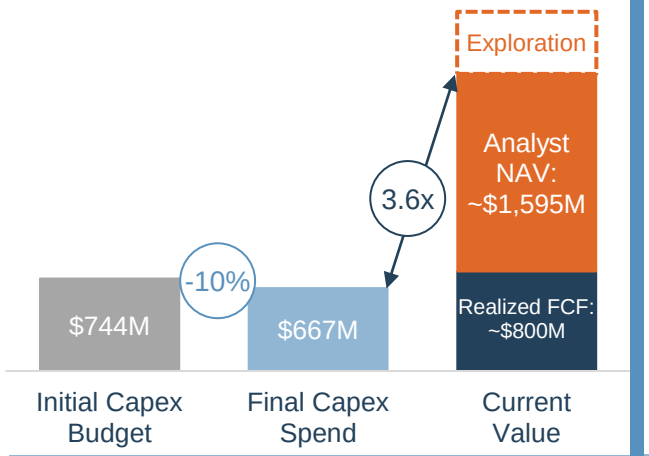
[2] Gold equivalent ounces are calculated multiplying the silver ounces by the ratio of the silver price to the gold price, using the average London Bullion Market Association ("LBMA") prices for the period. The Company does not include by-products in the gold equivalent ounce calculations

Building on Proven History of Project Delivery and M&A

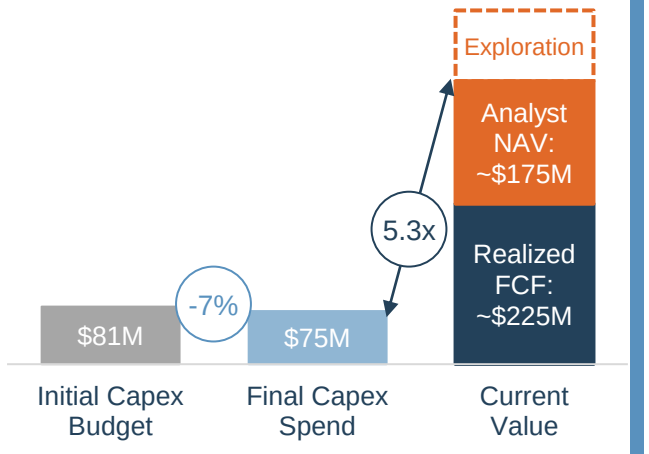
Track Record of Execution in Project Construction and Value Accretive Transactions

Delivering High-Return Projects On Time & Budget

POX Plant (Çöpler)

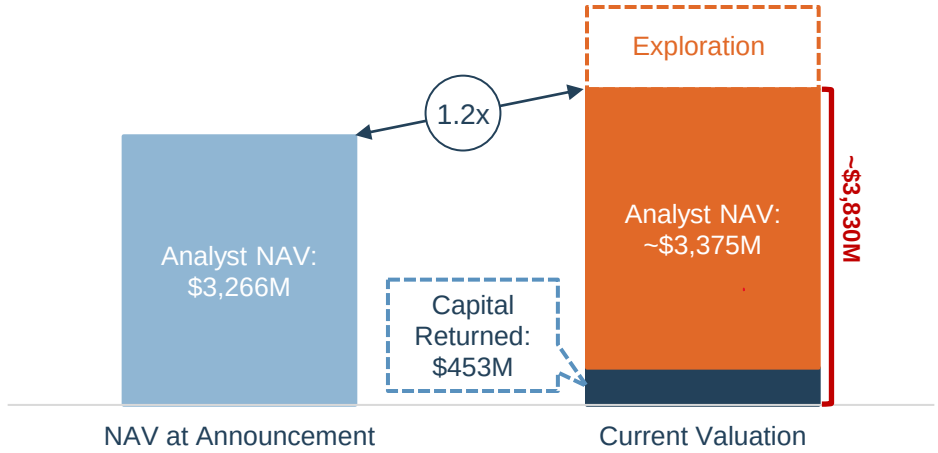


Chinchillas Project (Puna)

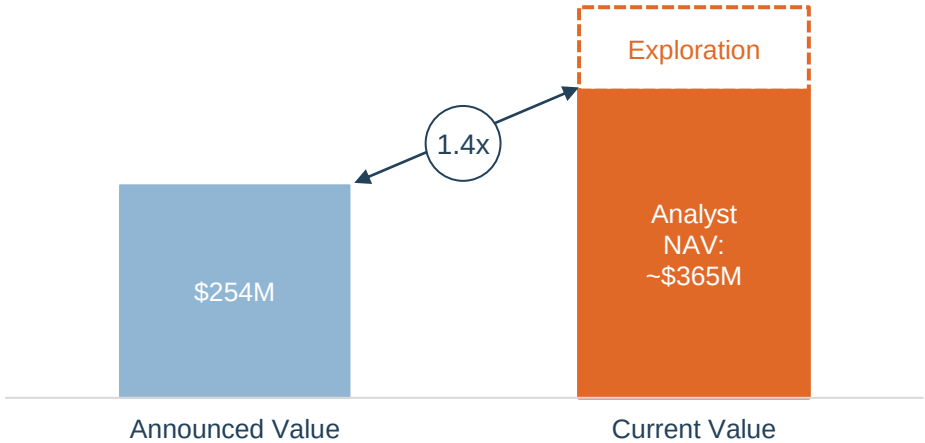


Building Value Through Disciplined M&A *

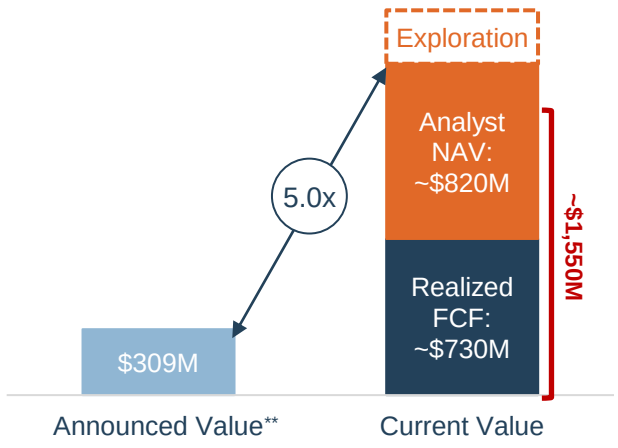
SSR Mining / Alacer Merger



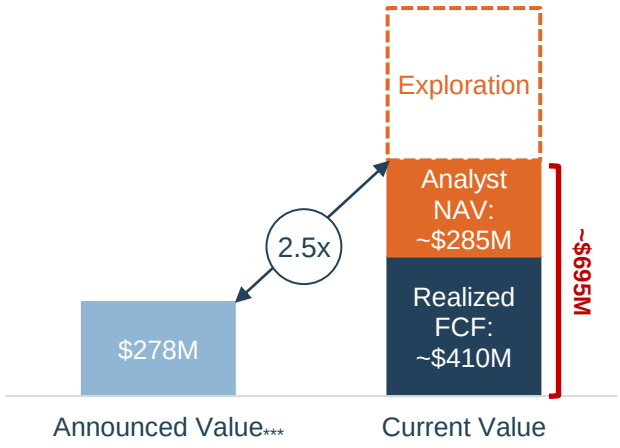
Hod Maden Acquisition



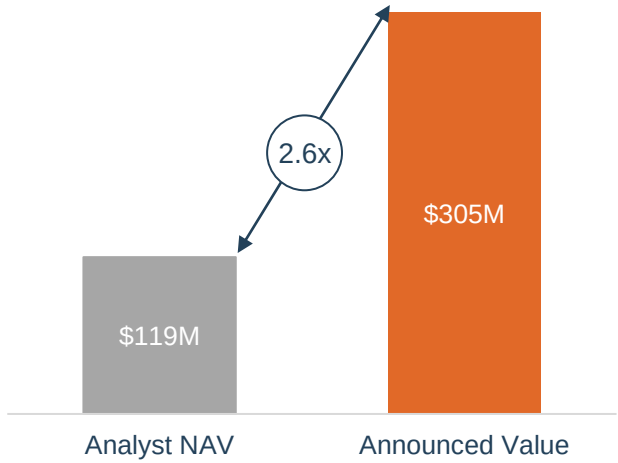
Marigold Acquisition



Seabee Acquisition



Non-Core Asset Sales



SSRM:NASDAQ / TSX, SSR:ASX

** See end notes for non-GAAP metrics and additional details; Capital returns include base dividend and NCIB repurchases; Çöpler NAV shown on 100% basis; see page 8 and endnotes for additional details on capital returns program*

*** Includes acquisition of Valmy for $11.5M and Trenton Canyon/Buffalo Valley for $22M*

**** Includes acquisition of Taiga for $23M*

Significant Financial Strength

Robust Balance Sheet; Three Pillar Capital Allocation Framework

Financial Position *	
Market Capitalization	$2.2B
Total Cash	$438M
Total Debt	$231M
Net Cash (Debt)	$207M
Total Liquidity	$938M

Debt	Face Value	Maturity	Interest Rate
Convertible Notes	$230M	2033	2.50%
Credit Facility *($400M capacity + $100M accordion)*	$0M	2027	SOFR + 2.00% - 2.75%

Capital Allocation Priorities

Low Capital-Intensity Growth

- Advancing Hod Maden project towards construction decision in mid-2024
- Çakmaktepe Extension project delivered first production in late September; Continued exploration success indicates potential for growth beyond current 1.7 million ounce Mineral Reserve at the mine
- 2023 exploration budget of $94 million, up +50% y/y; included $81 million to advance growth and resource development exploration opportunities

Balance Sheet Strength

- Strong net cash position ensures SSR Mining's resilience through future gold price cycles; Total liquidity of approximately $938 million *
- Accelerated repayment of the $35.8 million previously outstanding on term loan
- Balance sheet supports capital commitments and dynamic shareholder returns strategy

Peer Leading Capital Returns

- $453 million in total capital returned to shareholders since 2021, including over $293 million in share repurchases and $160 million in dividends; average capital returns yield of approximately 5% from 2021 to 2023
- Repurchased more than $45 million in shares in the first nine months of 2023; renewed NCIB program authorizes repurchase of up to 10.2 million shares until June 19, 2024
- Minimum capital returns of at least $103 million in 2023

** Total cash, total debt, net cash (debt) and total liquidity are non-GAAP metrics and as of end-Q3/23; See end notes for non-GAAP metrics and additional details*
Capital returns include base dividend and NCIB repurchases; see page 7 and endnotes for additional details on capital returns program; Figures may not add due to rounding

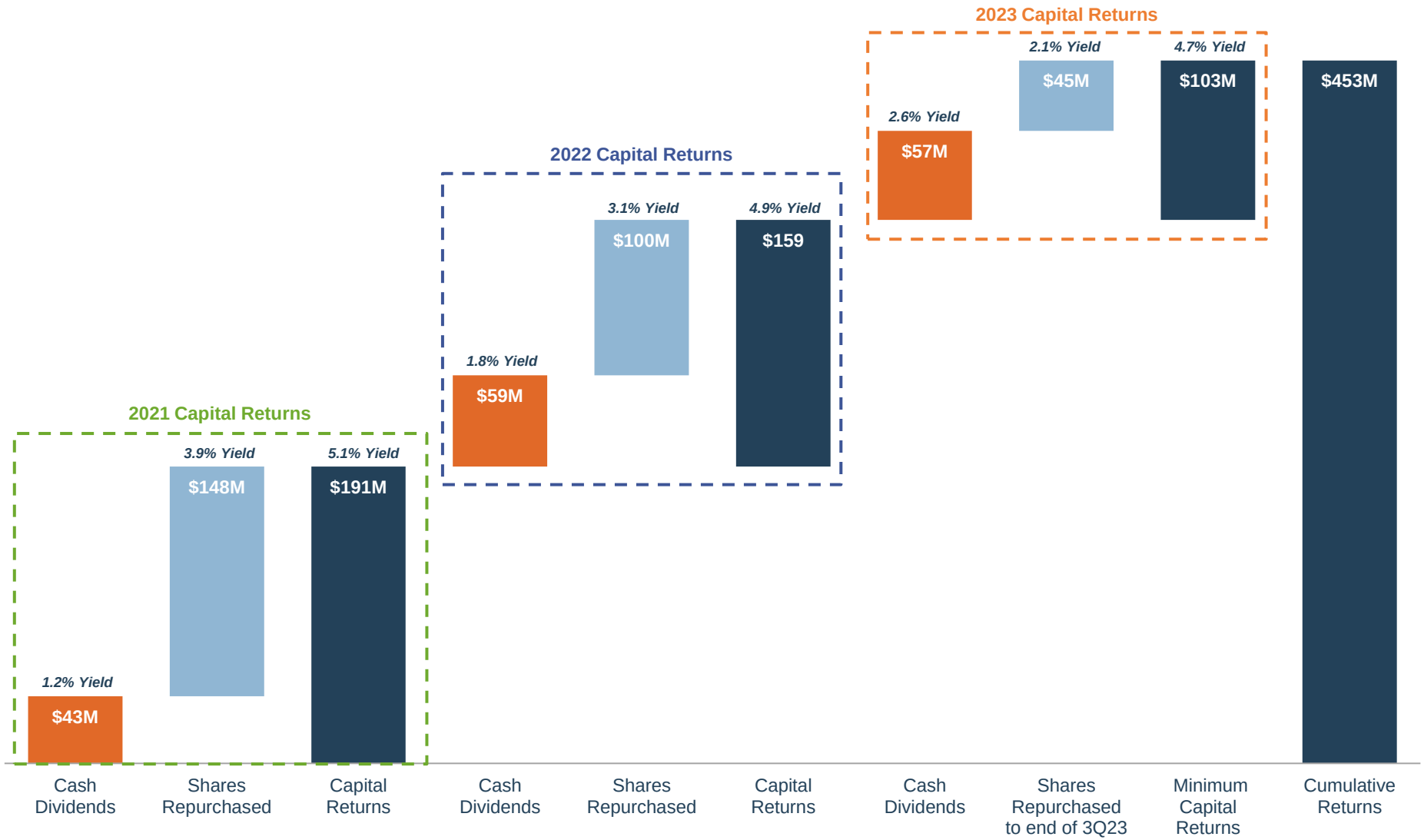
Track Record of Returning Capital to Shareholders

Peer Leading Returns Aligned With Robust Free Cash Flow Outlook

Highlights

- Building on three consecutive years of significant shareholder returns in the form of dividends and share repurchases
  - Total capital returns yields averaged approximately 5.0% from 2021 to 2023
  - Between the beginning of 2021 to the end of Q3 2023, nearly 18 million shares repurchased
- Continue to return capital to shareholders through a combination of dividends and share repurchases
  - During the first nine months of 2023, completed share repurchases totaling $45.3 million
  - Combined with quarterly dividends of $0.07/share, expected minimum 2023 capital returns yield of 4.7% *
  - 2023 share buyback program authorizes repurchase of up to 10.2 million shares until June 19, 2024
  - On November 27, 2023, entered into Automatic Share Purchase Plan

History of Significant Shareholder Returns *



** Capital returns include dividends and share repurchases; Please see end notes for additional details regarding capital returns and calculation of yields; Totals may not add due to rounding*

Early 2024 Milestones Set the Stage for Next Phase of Growth

Incorporating Extensive Exploration Activity and Technical Work Into Long-Term Outlook

January 16, 2024

Q4/23 Production of 211k GEOs

Full-year Production of 707k GEOs

Guidance Achieved for 11 of the Last 12 Years

Record Full-Year Production at Marigold & Puna

February 13, 2024

Updated Mineral Reserves & Mineral Resources

Long-Term Production Guidance

Updated LOM Plans for Çöpler and Marigold

Teach-in Conference Call

February 21, 2024

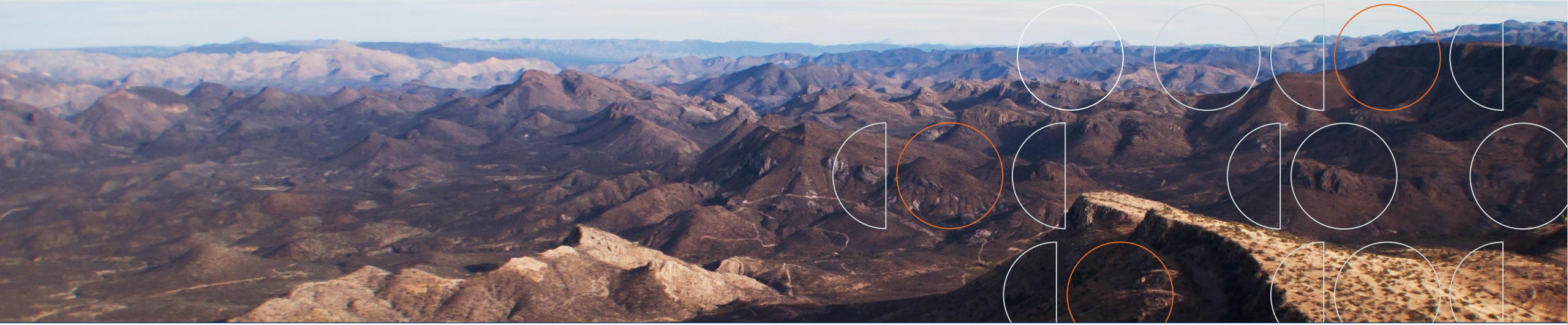
Operating & Financial Results for Fourth Quarter and Full-Year 2023

Mid-Year, 2024

Hod Maden Technical Work

Project Financing Execution

Positive Construction Decision



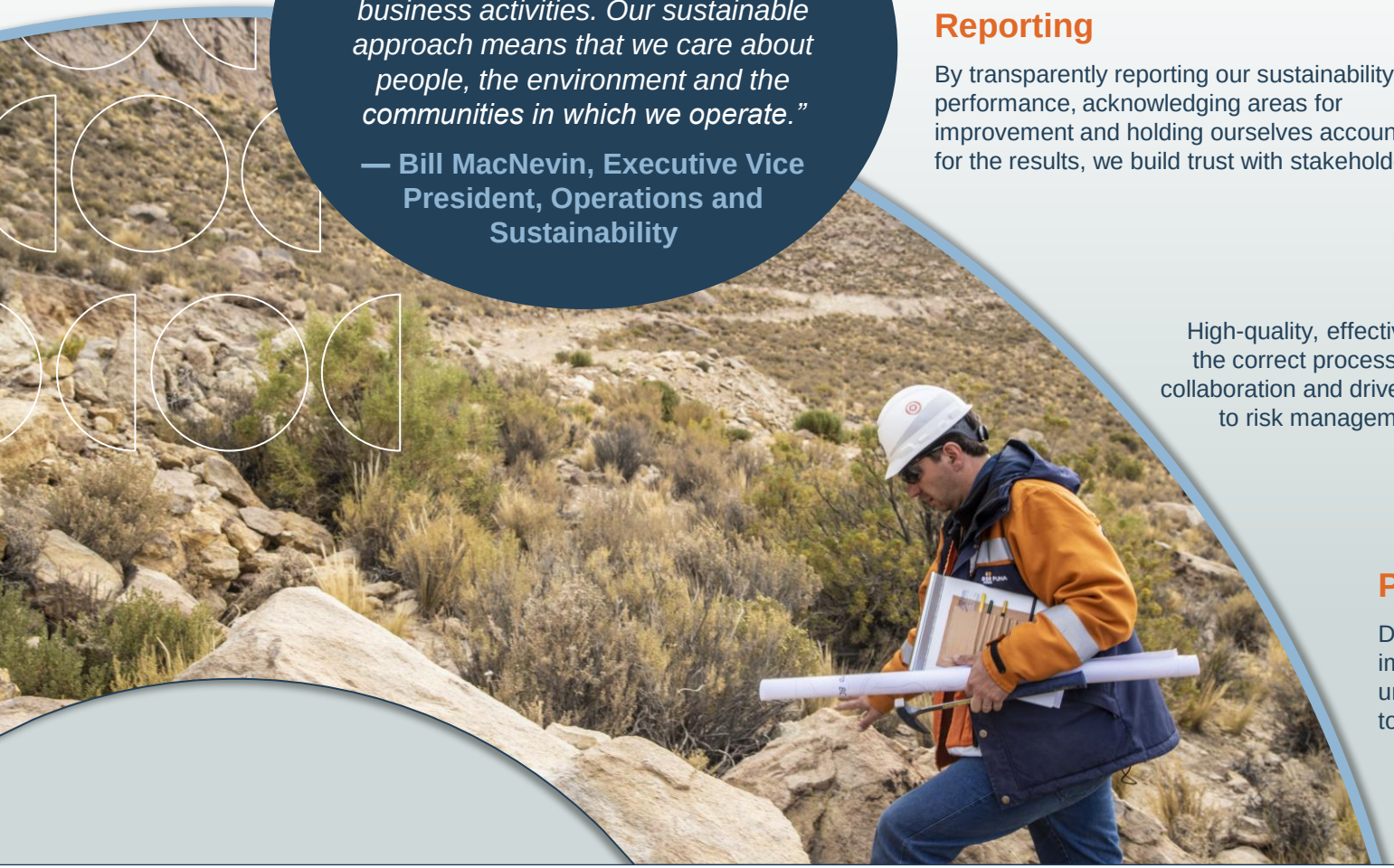
Operations

Our Commitment to Environment, Health, Safety and Sustainability (EHSS)

Building a Safe, Healthy and Competent Workforce

"We are very focused on ensuring that we embed a sustainable approach into our mining and business activities. Our sustainable approach means that we care about people, the environment and the communities in which we operate."

— Bill MacNevin, Executive Vice President, Operations and Sustainability



Reporting

By transparently reporting our sustainability performance, acknowledging areas for improvement and holding ourselves accountable for the results, we build trust with stakeholders.

Targets

Setting clear targets drives improvement and challenges us to continually better ourselves. It also helps stakeholders understand and assess our performance on the issues that matter most to them.

Metrics and Indicators

Enable us to track our performance and manage any issues that arise.

Systems

High-quality, effective management ensures the correct processes are followed, enables collaboration and drives a consistent approach to risk management across the business.

Plans and Procedures

Detailed planning for how policies are implemented on the ground and tailored to the unique characteristics of the site or project helps to ensure a consistent approach.

Policies

Policies aligned with our vision and values drive commitment to sustainability and good governance across all operations.

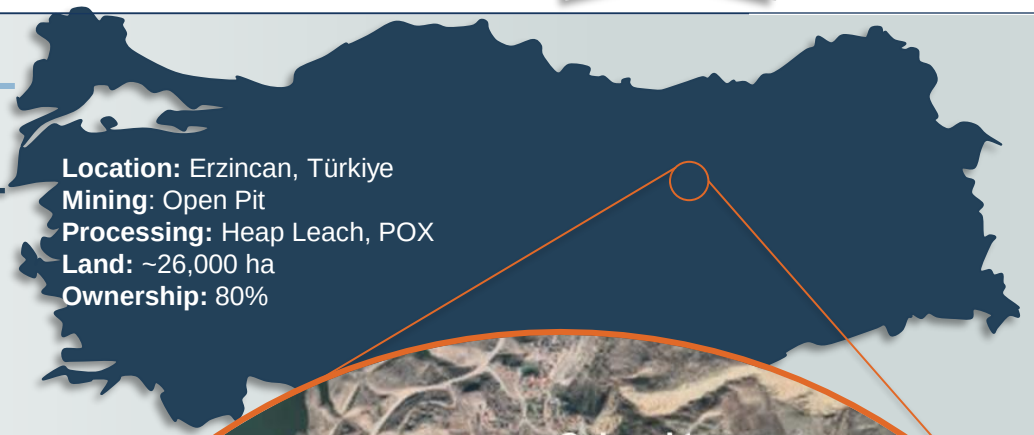
Çöpler: Flagship Asset With a 20+ Year Mine Life

First Production From Çakmaktepe Extension Delivered in the Third Quarter of 2023

Operations Page on Website

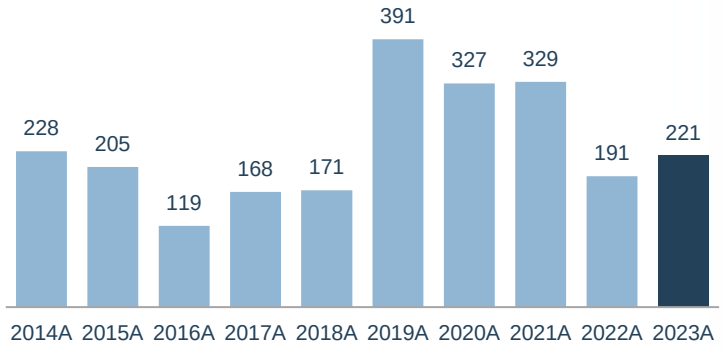
Major Milestones Since 2009

2010	2013	2017	2019	2020	2021	2022	Q3 2023
Çöpler Oxide Production Begins	Produces >1Moz of gold	Çakmaktepe Extension Discovered	Çöpler Sulfide Plant Commercial Production	SSR Mining merger with Alacer Gold	Produces >4Moz of gold	SSR Mining consolidates ownership to 80% across district	First production from Çakmaktepe Extension

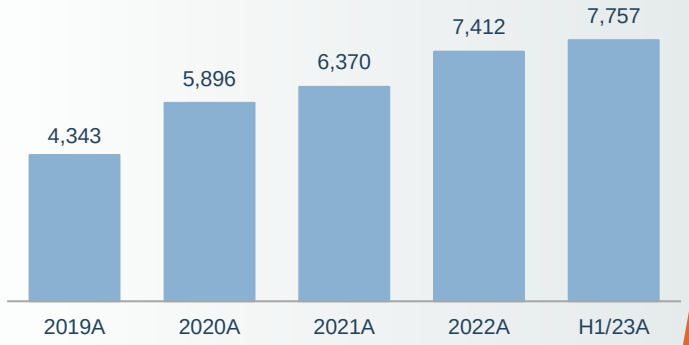


Location: Erzincan, Türkiye
Mining: Open Pit
Processing: Heap Leach, POX
Land: ~26,000 ha
Ownership: 80%

Production History (koz Au) *(100% basis)*

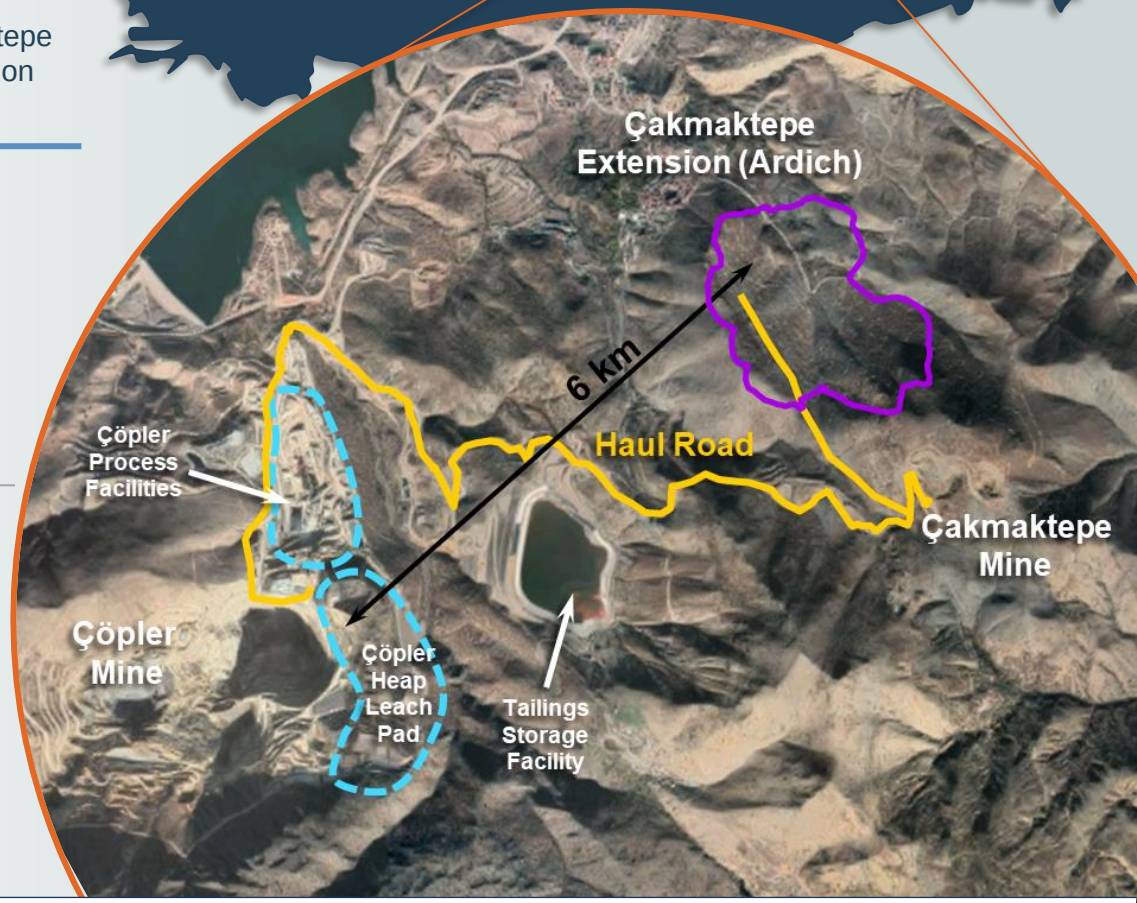


Sulfide Plant Throughput (tpd)



Reserves & Resources

	Tonnes (kt)	Grade (g/t Au)	Gold (koz)
P&P Reserves	**58,295**	**2.13**	**3,983**
M&I Resources	70,966	1.07	2,446
Inferred Resources	82,394	1.17	3,097



*MRMR shown as attributable to SSR Mining only (based on 80% ownership) as of December 31, 2022; Measured and Indicated Mineral Resources are shown exclusive of Mineral Reserves
See end notes and cautionary notes for additional information

Çöpler Continues to Present Opportunities for Mine Life Extension and Growth

Low Capital-Intensity Organic Growth Projects to Drive Increased Production

Çöpler Mine

20+ year Mineral Reserve life

Continued near-mine resource development/exploration activity

Çakmaktepe Extension

First production delivered Q3/23; Growth Capital of <$70M

Mineral Reserve growth beyond current 1.7Moz driven by district consolidation and step-out/infill drilling

Exploration activity continuing across “Greater Çakmaktepe” trend



Çöpler Expansion

Grind-Leach circuit has potential to improve recoveries by >20%

Regional Exploration

Expanded ownership of Kartaltepe Licenses; Mavidere exploration targeting maiden Mineral Resource estimate

Marigold: Large-Scale Open Pit in Nevada

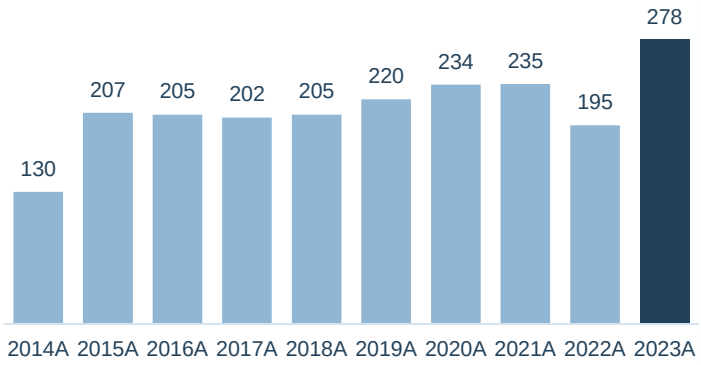
Long History of Stable Operations and Continued Mineral Reserve Growth

Operations Page on Website

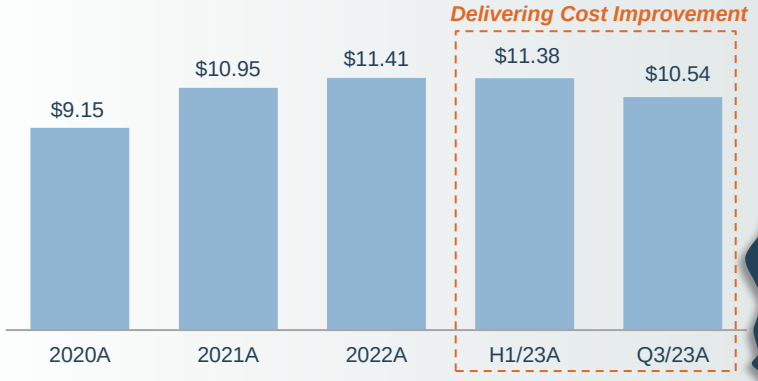
Milestones Since Initial Production Over 30 Years Ago

- **1988** – Production begins
- **2014** – Silver Standard acquired 100% ownership of Marigold
- **Q2/2020** – LOM production reaches 4 million ounces of gold
- **2020** – SSR Mining completed merger with Alacer Gold
- **2023** – Record production of >278,000 ounces of gold;
- **2024** – Declare initial maiden resource at Buffalo Valley target

Production History (Koz Au)

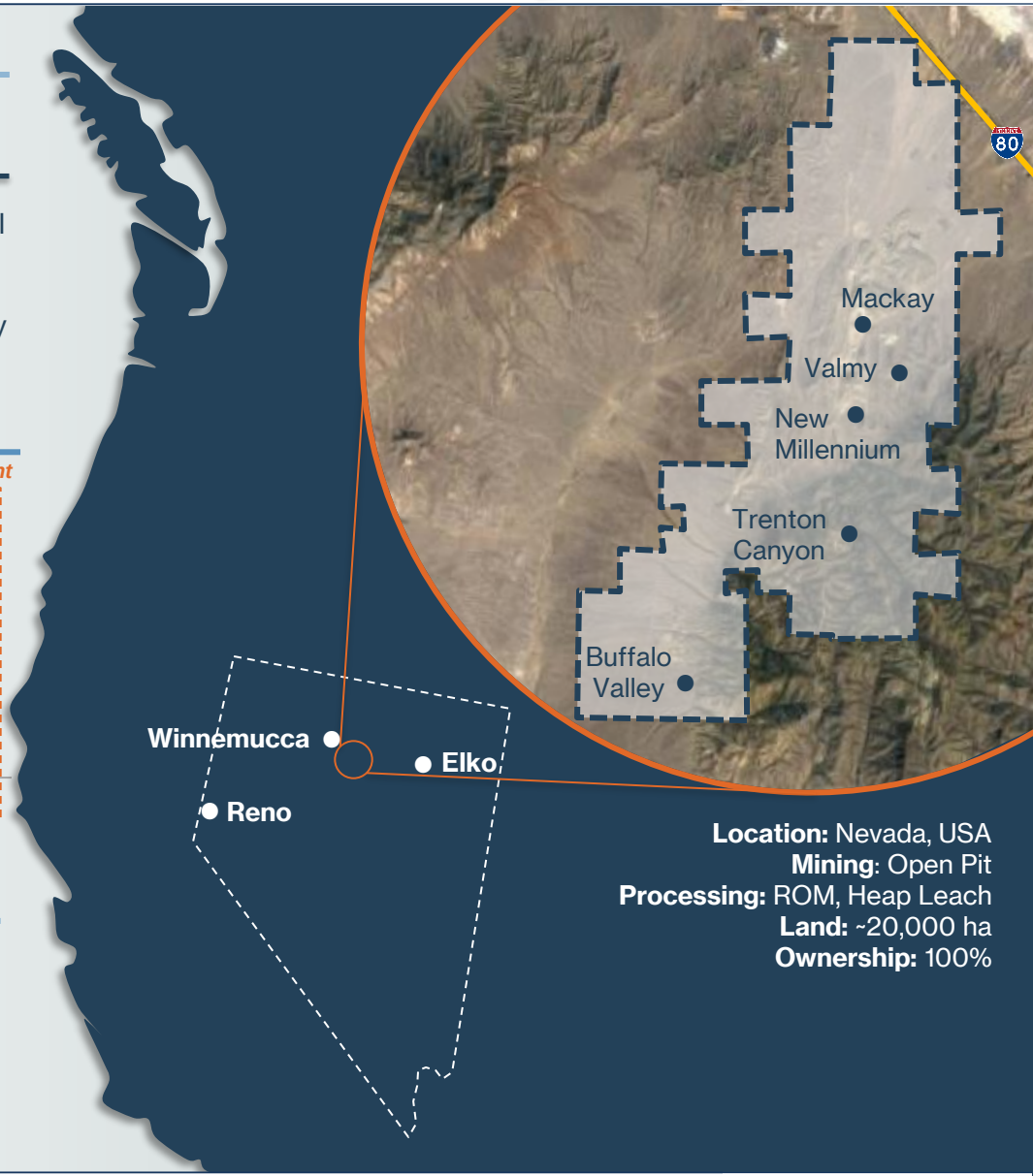


Focus on Operational Efficiencies ($/t)



Reserves & Resources

	Tonnes (kt)	Grade (g/t Au)	Gold (koz)
P&P Reserves	**185,703**	**0.48**	**3,156**
M&I Resources	115,294	0.43	1,611
Inferred Resources	21,680	0.36	249



Location: Nevada, USA
Mining: Open Pit
Processing: ROM, Heap Leach
Land: ~20,000 ha
Ownership: 100%

*MRMR shown as attributable to SSR Mining (100% basis) as of December 31, 2022; Measured and indicated Mineral Resources are shown exclusive of Mineral Reserves
See end notes and cautionary notes for additional information

Seabee: High-Grade Underground in Canada

Expanded Exploration Program Focused on Extending Mine Life

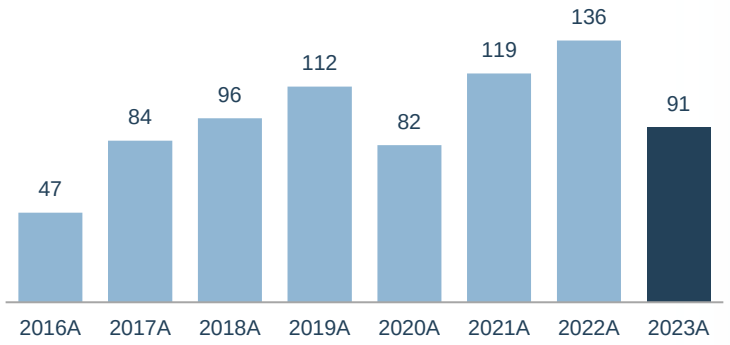
Operations Page on Website

SSR MINING

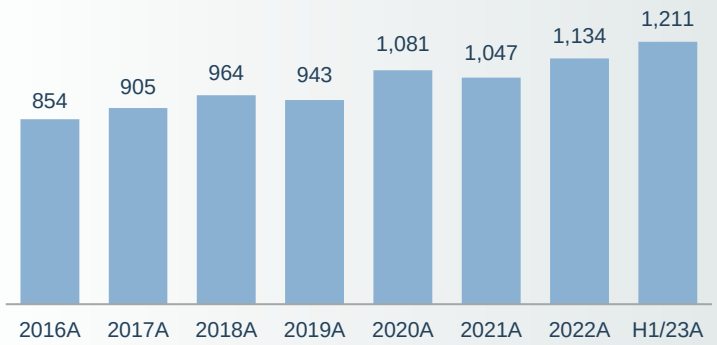
Major Milestones Since Initial Production Over 30 Years Ago

1991	2016	2014	2020	2021	2022
Production begins at Seabee Mine	SSR Mining acquires Claude Resources; Produces >1Moz gold	Production begins at the Santoy Mine	SSR Mining completed merger with Alacer Gold	SSR Mining announces acquisition of Taiga Gold	Record production of >135,000 ounces of gold

Production History (koz Au)



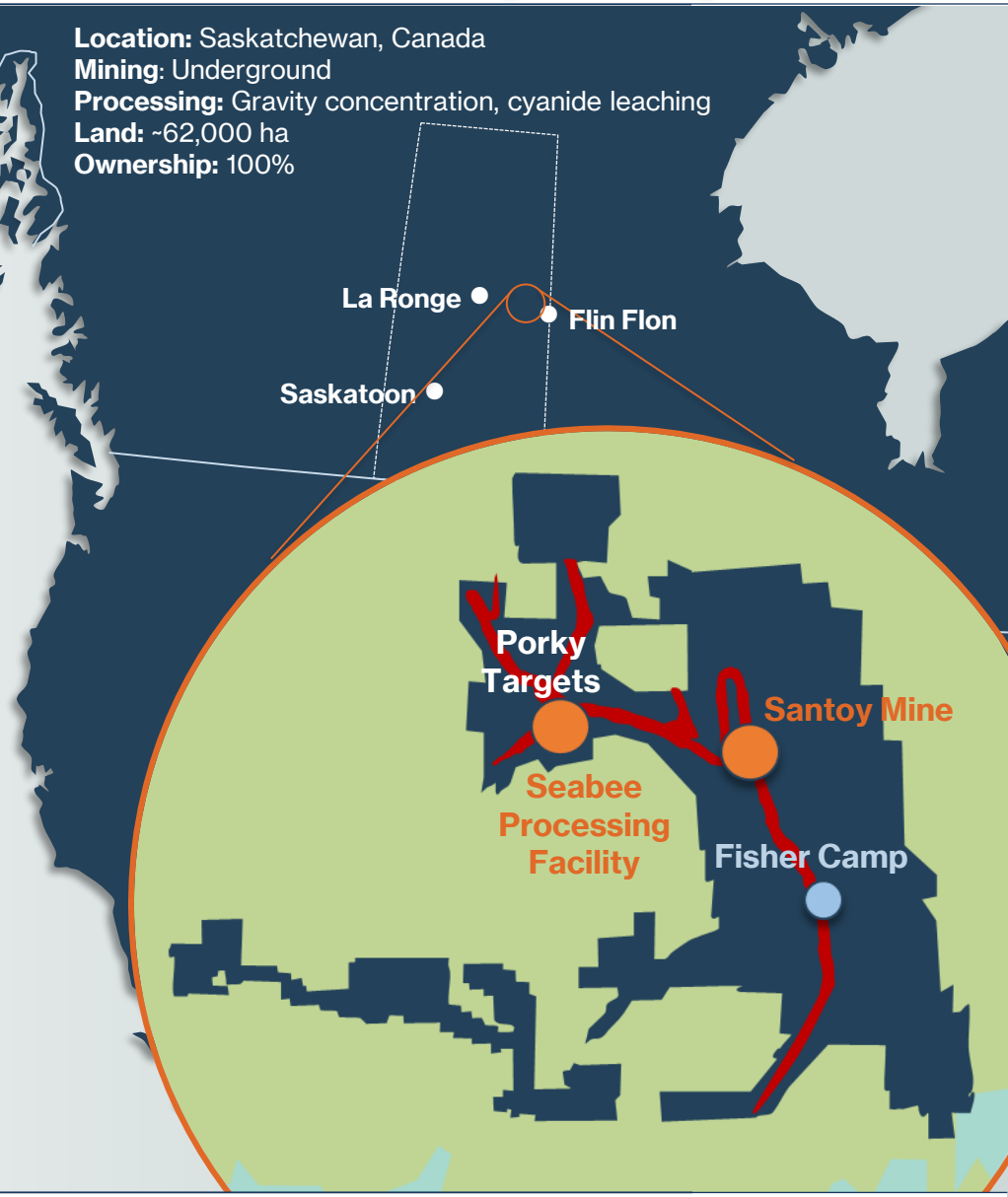
Plant Throughput (tpd)



Reserves & Resources

	Tonnes (kt)	Grade (g/t)	Gold (koz)
P&P Reserves	**2,684**	**6.38**	**481**
M&I Resources	865	11.49	319
Inferred Resources	2,754	6.05	536

Location: Saskatchewan, Canada
Mining: Underground
Processing: Gravity concentration, cyanide leaching
Land: ~62,000 ha
Ownership: 100%



*MRMR shown as attributable to SSR Mining (100% basis) as of December 31, 2022; Measured and indicated Mineral Resources are shown exclusive of Mineral Reserves
See end notes and cautionary notes for additional information

Puna: Large Open-Pit Silver Producer

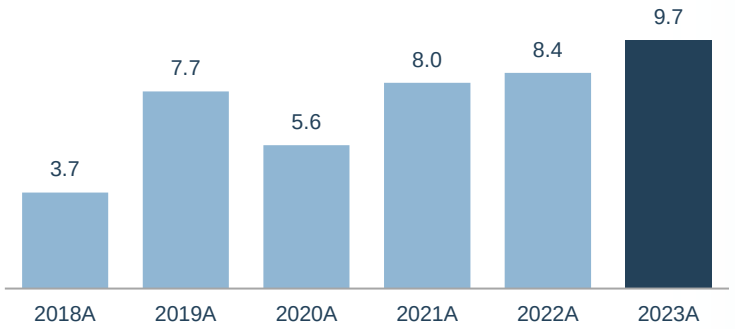
Consistently Strong Operations; Near-mine Exploration Continuing

Operations Page on Website

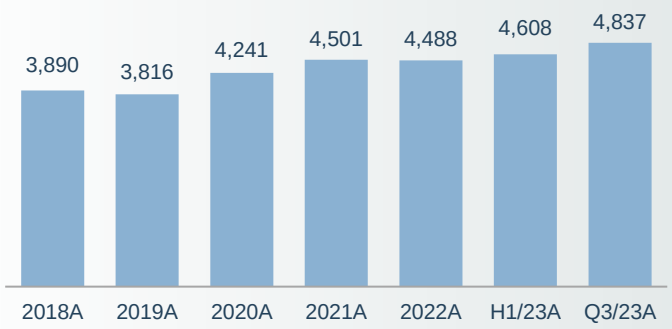
Major Milestones Since Initial Production in 2018

2018	2019	2020	2021	2022	Q3 2023
Production begins at Chinchillas Mine	SSR Mining completes acquisition of remaining 25% interest from Golden Arrow	SSR Mining completed merger with Alacer Gold	Chinchillas produces >25Moz of silver	Exploration program focused on resource expansion	Continued exploration across Chinchillas and Pirquitas properties

Production History (Moz Ag)



Plant Throughput (tpd)



Reserves & Resources

	Tonnes (kt)	Grade (g/t Ag)	Silver (koz)
P&P Reserves	**6,623**	**156**	**33,122**
M&I Resources	5,376	105	18,109
Inferred Resources	123	113	446



Location: Jujuy, Argentina
Mining: Open Pit
Processing: Flotation
Land: ~10,000 ha
Ownership: 100%

** MRMR shown as attributable to SSR Mining (100% basis) as of December 31, 2022; Measured and indicated Mineral Resources are shown exclusive of Mineral Reserves*
See end notes and cautionary notes for additional information

Hod Maden Project Overview and Transaction Highlights

Accretive Transaction Delivers Value to Shareholders

Project Overview

- SSR Mining acquired an up to 40% ownership and immediate operational control in Hod Maden project through an earn-in structured transaction for total consideration of $270 million
- Hod Maden is located in northeastern Türkiye within the Eastern Pontides metallogenic belt; ~330km from SSR Mining's Çöpler mine
- Project is road accessible and within 200km of multiple ports on the Black Sea
- Property connected to national power grid
- Long hole stoping underground mining and 800ktpa (~2,220tpd) processing plant producing gold-rich copper concentrate + pyrite concentrate
- Property covers ~3,500 hectares and hosts significant exploration potential
- EIA received in 2021, majority of key permits already in place

Project Highlights *	Gold	Copper	AuEq
Total Production	2,027koz	255Mlb	2,534koz
Average Production	156koz	19.6Mlb	195koz
Mineral Reserve Grade	8.8g/t	1.5%	11.1g/t
Revenue Split	80%	20%	-
Avg. Cost of Sales **	$334/oz	$0.65/lb	$332/oz
Avg. By-product AISC **	$334/oz	-	-
Avg. Co-product AISC **	$595/oz	$1.12/lb	$588/oz

Key Transaction Highlights for SSR Mining

>15% *Projected Transaction IRR*	**>7%** *NAV Per Share Accretion*	**14%** *'28E FCF Per Share Accretion*
-7% *LOM AISC Reduction*	**15%** *Mineral Reserve Per Share Accretion*	**9%** *Mineral Resource Per Share Accretion*

Project Timelines

2023	2023 - 2024	2024	2027
TRANSACTION CLOSED	**PROJECT OPTIMIZATION**	**CONSTRUCTION BEGINS**	**FIRST PRODUCTION**
SSR Mining paid $120M to acquire immediate operational control and 10% interest	SSR Mining advancing opportunities to refine project parameters and timelines; Commence earthworks and site access activities	SSR Mining makes $150 million in earn-in structured payments to gain additional 30% interest, payable between the start of construction and the first anniversary of commercial production	
Transaction closed in May 2023	Technical work to update and refresh 2021 Feasibility Study ongoing	Formal construction decision expected in 2024	First production expected within 2027

Please see end notes and cautionary notes for a discussion on non-GAAP metrics. Please see end note 3 and cautionary notes for details on the Hod Maden transaction

Appendix

Executive Team and Board of Directors

Depth of Experience and Track Record of Delivery

Executive Team



Rodney Antal
Executive Chairman



Alison White
EVP, Chief Financial Officer



F. Edward Farid
EVP, Chief Corporate Development Officer



Michael Sparks
EVP, Chief Legal & Administrative Officer



John Ebbett
EVP, Growth & Innovation



Bill MacNevin
EVP, Operations & Sustainability

Board of Directors



Michael Anglin
Lead Independent Director



Thomas Bates
Director



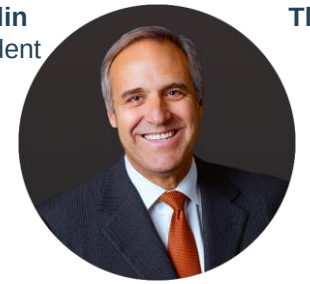
Brian Booth
Director



Simon Fish
Director



Leigh Ann Fisher
Director



Alan Krusi
Director



Daniel Malchuk
Director



Kay Priestly
Director



Karen Swager
Director

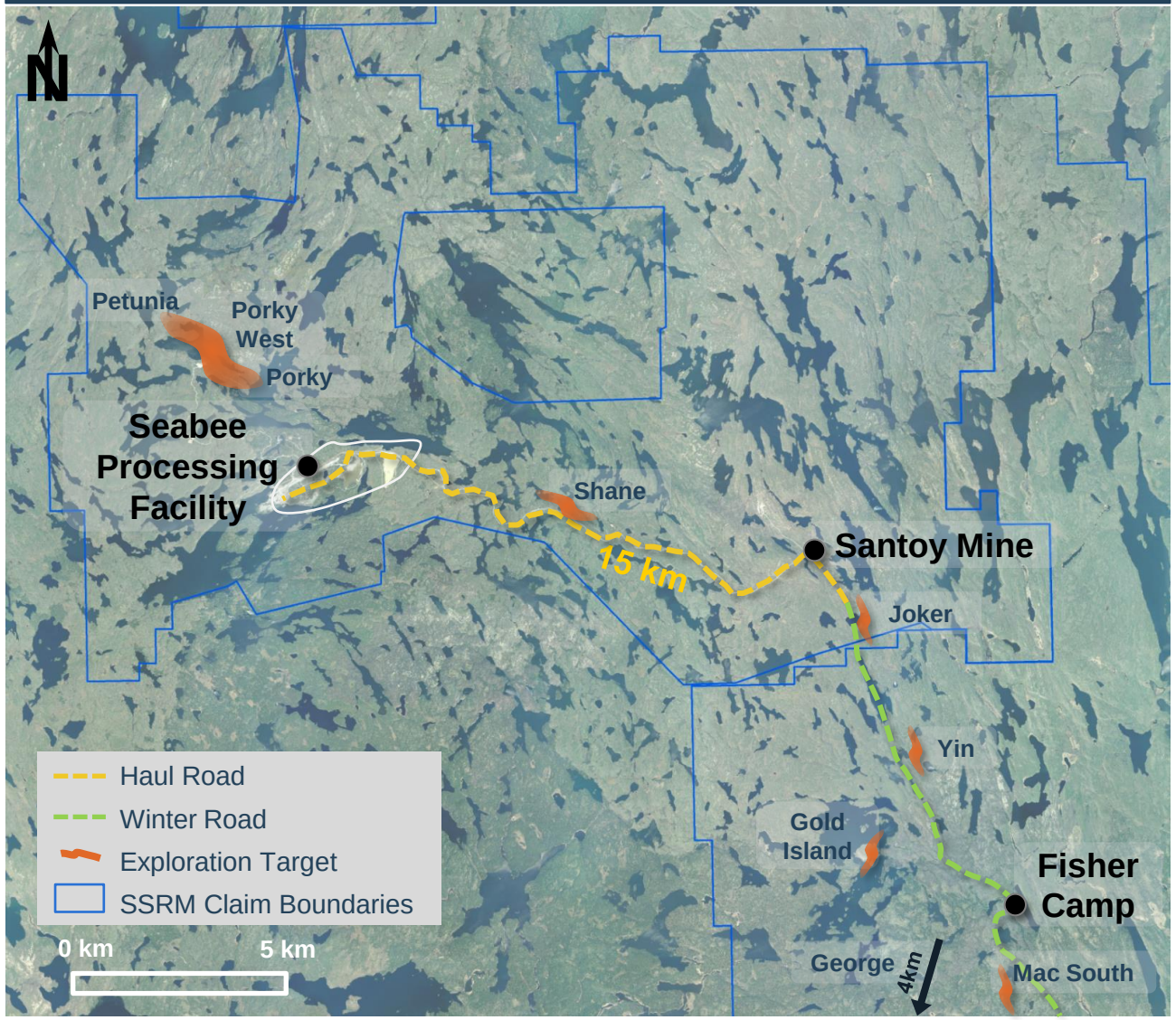


Rodney Antal
Executive Chairman

Seabee Exploration Program Focused on Mine Life Extension *

Positive Results from Porky Targets Highlight Ongoing Brownfield Exploration Success

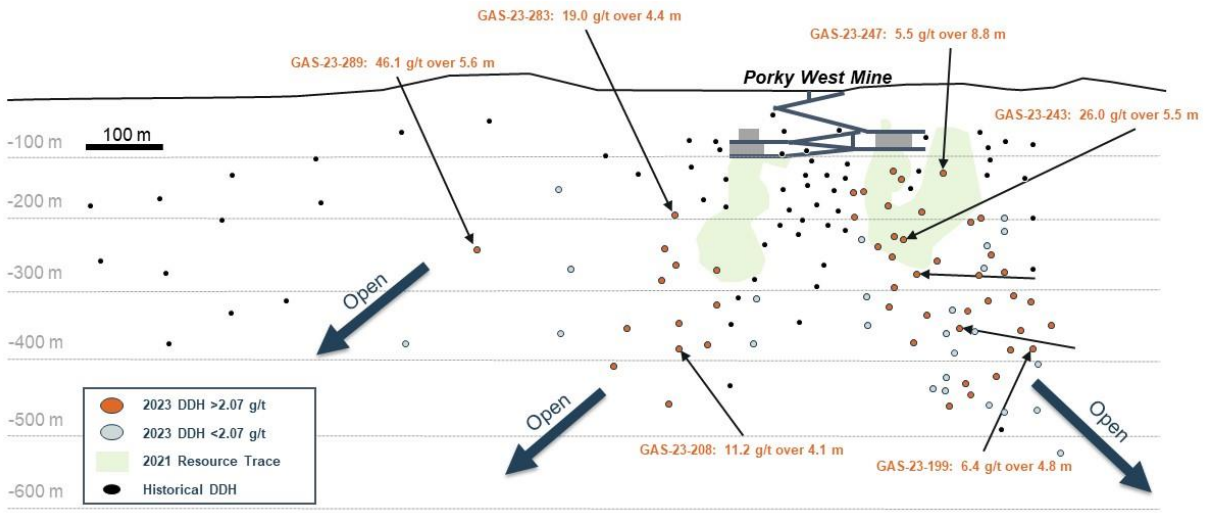
Plan View of Seabee Property & Exploration Targets



Overview of Recent Porky Exploration

- Significant investment in near-mine and regional exploration at Seabee continues; aiming to extend the existing Mineral Reserve life
  - 2021 Technical Report Summary: Porky West hosted ~8 koz of Indicated Mineral Resources and ~73 koz of Inferred Mineral Resources
- Porky West and Petunia targets a focus for 2023 drilling; step-out and expansion drilling across the greater Porky target area
- At present, mineralization at Porky West has been identified to 500 meters of vertical depth and remains open down plunge
- Incorporating both Porky West and the Petunia target, mineralization has been identified along 1,250 meters of strike and remains open in both directions
- If exploration and initial economic studies are successful, the targets have potential as a new underground mining front for Seabee property

Porky West Long Section



* Exploration results as of November 1, 2023 news release titled "SSR Mining Reports Third Quarter 2023 Results"

Puna: Near-Mine Exploration Success Presents Opportunity to Extend Mine Life*

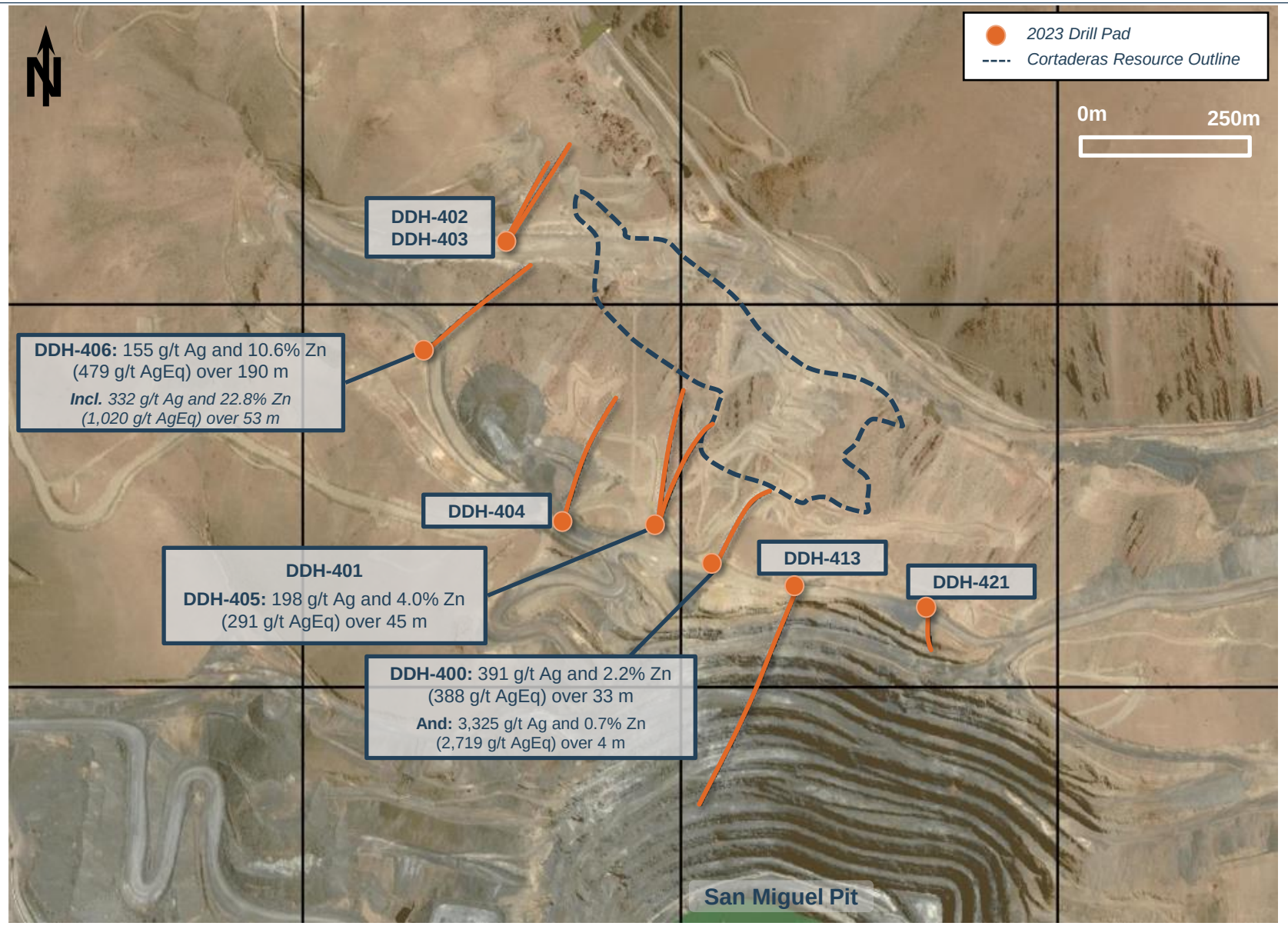
Cortaderas Presents a Medium-Term Mine Life Extension Pathway for Puna

Overview of Puna

- Puna is 100% owned by SSR Mining and is comprised of the Chinchillas and Pirquitas properties
- Located within the Bolivian tin-silver–zinc belt that extends from the San Rafael tin-copper deposit in southern Peru into the Puna region of Jujuy, Argentina
- Exploration across Chinchillas and Pirquitas properties targeting potential mine life extensions
- The Pirquitas property is comprised of ~7,500 ha surface rights, which includes the Pirquitas processing plant the Cortaderas deposit, as well as the past producing San Miguel pit

Cortaderas 2023 Exploration Program

- Reinterpretation of historical drill results suggested an area of mineralization directly adjacent to the existing Cortaderas deposit
- Exploration confirmed presence of high-grade silver and zinc mineralization, referred to as Cortaderas Hangingwall
- Nine holes have returned assays since March 2023; seven of which intersected the north-dipping Cortaderas Hangingwall
- Mineralization currently identified over a strike length of 450m



* Exploration results as of November 1, 2023 news release titled "SSR Mining Reports Third Quarter 2023 Results"

Endnotes

1) Mineral Reserves and Mineral Resources ("MRMR") as of December 31, 2022. Mineral Reserves and Mineral Resources shown are SSR Mining ownership share only. SSR Mining owns 80% of the Çöpler project. Mineral Resources are stated exclusive of Mineral Reserves. For details see our news release dated February 22, 2023 titled "SSR Mining Reports Fourth Quarter and Full Year 2022 Results," and Mineral Reserves and Mineral Resource summary tables included in Item 2 of our Annual Report on Form 10-K for the year ended December 31, 2022 ("Form 10-K"). For the Company filings, please see our website at www.ssrmining.com, on EDGAR at www.sec.gov, on SEDAR at www.sedarplus.ca and on the ASX at www.asx.com.au.
2) Production discussions beyond 2023 guidance, including production platform statements, production estimates and mine life assumptions are extracted from, or based on, Technical Report Summaries (TRS) prepared in compliance with subpart 1 of Regulation S-K 1300 for Çöpler, Marigold, Seabee and Puna. Please see our news release dated February 23, 2022 titled "SSR Mining Reports Fourth Quarter and Full Year 2021 Results" as well as our Current Report on Form 8-K filed with the SEC's EDGAR system on September 29, 2022. Each TRS was prepared by appropriate QPs. For the Company filings, please see our website at www.ssrmining.com, on EDGAR at www.sec.gov, on SEDAR at www.sedar.com, and on the ASX at www.asx.com.au. SSR Mining continues to advance exploration and resource development activities at each of its assets, and this data will be incorporated into MRMR statements as the accompanying technical work so dictates.
3) All Hod Maden project metrics referenced are historical in nature and are sourced from the Feasibility Study - Technical Report NI 43-101 ("2021 Feasibility Study"), effective February 29, 2021 and filed July 10, 2022 pursuant to the requirements of Canadian National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101"). The 2021 Feasibility Study is available as part of the public filings of Horizon Copper Corp. available on SEDAR at www.sedarplus.ca. A qualified person has not done sufficient work to classify the historical estimates as current mineral resources and reserves, and the Company is not considering the historical estimates as current mineral resources and reserves. For additional details on the Hod Maden transaction, please refer to the Company's news release furnished on the Company's Current Report on Form 8-K dated May 8, 2023, and available under the Company's corporate profile on EDGAR at www.sec.gov or on the Company's website at www.ssrmining.com.
4) Historical production is reported on a consolidated basis and is a combination of SSR Mining and Alacer Gold production figures. Actual reported gold-equivalent production compared against the low-point of annual guidance. 2020 guidance reflects the revised guidance issued September 18, 2020 following the completion of the merger of equals with Alacer Gold. 2022 guidance reflects the original guidance issued on January 31, 2022. Gold production and sales, silver production and sales and gold equivalent production and sales are on a 100% basis. Gold equivalent ounces are calculated using the silver ounces produced or sold multiplied by the ratio of the silver price to the gold price, using the average LBMA prices for the period. The Company does not include copper, lead, or zinc as they are considered by-products. Gold equivalent ounces sold may not add based on amounts presented due to rounding.
5) The Company reports Non-GAAP financial measures including adjusted attributable net income (loss), adjusted attributable net income (loss) per share, total debt, total cash, net debt (cash), total liquidity, adjusted EBITDA, cash generated by (used in) operating activities before changes in working capital, free cash flow (FCF), free cash flow before changes in working capital, cash costs and AISC per ounce sold to manage and evaluate its operating performance at its mines. These Non-GAAP Measures have no standardized definition under U.S GAAP. For explanations of these measures and reconciliations to the most comparable financial measure calculated under U.S. GAAP, please see "Cautionary Note Regarding Non-GAAP Financial Measures" and "Non-GAAP Reconciliations" in this presentation for additional details. See also the Company's 10-K, available on our website at www.ssrmining.com, on EDGAR at www.sec.gov, on SEDAR at www.sedarplus.ca, and on the ASX at www.asx.com.au, for detailed definitions of these Non-GAAP measures.
6) Financial and operations amounts presented in this presentation may not add due to rounding.
7) The 2019 convertible notes mature on April 1, 2039 and bear interest at 2.50% payable semi-annually and are convertible by holders into the Company's common shares, based on an initial conversion rate of 56.4776 common shares per $1,000 principal amount. Prior to April 1, 2026, the Company may redeem all or part of the notes for cash, but only if the last reported sale price of the Company's common shares exceeds 130% of the conversion price. On or after April 1, 2026, the Company may redeem the 2019 Notes, in whole or in part, for cash equal to 100% of the 2019 Notes to be redeemed, plus accrued and unpaid interest, if any, to, but excluding, the redemption date. Holders may require the Company to purchase all or a portion of their 2019 Notes on each of April 1, 2026, April 1, 2029, and April 1, 2034 for cash at a purchase price equal to 100% of the principal amount of the 2019 Notes to be purchased, plus accrued and unpaid interest, if any, to, but excluding, the purchase date.
8) SSR Mining ESG & Sustainability report published April 14, 2023. The full report is available on our website at https://www.ssrmining.com/corporate_responsibility/
9) Initial capex spend for the Çöpler POX plant based on original estimate in the 2016 Çöpler technical report. Final capital spend based on actual reported capex by Alacer Gold. Initial capex for the Chinchillas project based on 2017 PFS study. Final capital based on actual reported capital spend by SSR Mining in Q4/19 MD&A.
10) Realized FCF is calculated as the free cash flow generated by each asset/company following the identified transaction's closing date to the end of September 30, 2023. Analyst estimated SSR Mining NAV and asset level NAVs as of December 27, 2023. Realized proceeds from non-core asset sales include $100 million for the sale of SSR Mining's non-core royalty portfolio on July 29th, 2021, $127 million for the sale of the Pitarrilla project on January 13th, 2022, $1.5 million for the sale of Sunrise Lake exploration property on October 17, 2023, $57.5 million for the sale of the San Luis project on November 27, 2023, and approximately $19 million in proceeds from the sale of non-core equity positions from April 1, 2021 to December 31, 2023.
11) Share price data used in performance analysis, 2023 dividend yield, 2023 capital returns yield and market capitalization calculation sourced from Capital IQ as of December 31, 2023. Share price data used in 2022 capital returns yield as of December 31, 2022 and share price data used in 2021 capital returns yield as of December 31, 2021. All share price data sourced from Capital IQ.
12) Capital returns includes SSR Mining's quarterly cash dividend and NCIB share repurchases. Capital returns in 2021 calculation includes share repurchases made within the 2021 calendar year totaling $148 million and four quarterly dividend payments totaling $43 million. Capital returns in 2022 calculation includes share repurchases made within the 2022 calendar year totaling $100 million and four quarterly dividend payments totaling $59 million. Capital returns in 2023 calculation includes the share repurchases made within the 2023 calendar year as of September 30, 2023 totaling $45 million and four quarterly dividend payments totaling $57 million.
    i. Dividends: SSR Mining announced a quarterly dividend of $0.05/share, (see news release dated February 17, 2021) and subsequently increased the quarterly dividend to $0.07/share (see news released dated January 31, 2022).
    ii. Share repurchases: "2021 NCIB" refers to the Normal Course Issuer Bid established April 21, 2021, which expired April 20, 2022. "2022 NCIB" refers to the Normal Course Issuer Bid established June 20, 2022, which expires June 19, 2023. "2023 NCIB" refers to the Normal Course Issuer Bid established June 20, 2023, which expires June 19, 2024.

Non-GAAP Reconciliations

Cash Costs, AISC, Net Cash & Liquidity

Cash Costs and AISC

	Three Months Ended September 30, 2023						Nine Months Ended September 30, 2023					
(in thousands, unless otherwise noted)	**Çöpler**	**Marigold**	**Seabee**	**Puna**	**Corporate**	**Total**	Çöpler	Marigold	Seabee	Puna	Corporate	Total
Cost of sales (GAAP) [21]	$69,830	$81,464	$19,939	$43,437	—	$214,670	$199,425	$199,970	$61,476	$123,736	—	$584,607
By-product credits	($1,307)	($26)	($16)	($12,987)	—	($14,336)	($2,674)	($99)	($41)	($41,463)	—	($44,277)
Treatment and refining charges	—	$50	$24	$4,717	—	$4,791	—	$509	$73	$13,964	—	$14,546
Cash costs (non-GAAP)	$68,523	$81,488	$19,947	$35,167	—	$205,125	$196,751	$200,380	$61,508	$96,237	—	$554,876
Sustaining capital expenditures	$9,100	$8,683	$6,212	$4,593	—	$28,588	$26,313	$73,994	$26,220	$9,900	—	$136,427
Sustaining exploration and evaluation expense [23]	$1,156	$1,009	—	($3,371)	—	($1,206)	$3,271	$815	—	—	—	$4,086
Reclamation cost accretion and amortization	$427	$708	$692	$765	—	$2,592	$1,282	$2,019	$2,108	$2,295	—	$7,704
General and administrative expense and stock-based compensation expense	$1,668	—	—	$43	$15,853	$17,564	$4,095	—	—	$132	$48,139	$52,366
Total AISC (non-GAAP)	$80,874	$91,888	$26,851	$37,197	$15,853	$252,663	$231,712	$277,208	$89,836	$108,564	$48,139	$755,459
Gold sold (oz)	58,694	83,103	19,430	—	—	161,227	165,905	194,789	51,560	—	—	412,254
Silver sold (oz)	—	—	—	2,852,065	—	2,852,065	—	—	—	7,090,205	—	7,090,205
Gold equivalent sold (oz) [22]	58,694	83,103	19,430	34,861	—	196,088	165,905	194,789	51,560	86,030	—	498,284
Cost of sales per gold ounce sold	$1,190	$980	$1,026	N/A	N/A	N/A	$1,202	$1,027	$1,192	N/A	N/A	N/A
Cost of sales per silver ounce sold	N/A	N/A	N/A	$15.23	N/A	N/A	N/A	N/A	N/A	$17.45	N/A	N/A
Cost of sales per gold equivalent ounce sold [22]	$1,190	$980	$1,026	$1,246	N/A	$1,095	$1,202	$1,027	$1,192	$1,438	N/A	$1,173
Cash cost per gold ounce sold	$1,167	$981	$1,027	N/A	N/A	N/A	$1,186	$1,029	$1,193	N/A	N/A	N/A
Cash cost per silver ounce sold	N/A	N/A	N/A	$12.33	N/A	N/A	N/A	N/A	N/A	$13.57	N/A	N/A
Cash cost per gold equivalent ounce sold [22]	$1,167	$981	$1,027	$1,009	N/A	$1,046	$1,186	$1,029	$1,193	$1,119	N/A	$1,114
AISC per gold ounce sold	$1,378	$1,106	$1,382	N/A	N/A	N/A	$1,397	$1,423	$1,742	N/A	N/A	N/A
AISC per silver ounce sold	N/A	N/A	N/A	$13.04	N/A	N/A	N/A	N/A	N/A	$15.31	N/A	N/A
AISC per gold equivalent ounce sold [22]	$1,378	$1,106	$1,382	$1,067	N/A	$1,289	$1,397	$1,423	$1,742	$1,262	N/A	$1,516

21) *Excludes depreciation, depletion, and amortization.*

22) *Gold equivalent ounces sold may not add based on amounts presented in this table due to rounding. Gold equivalent ounces are calculated multiplying the silver ounces by the ratio of the silver price to the gold price, using the average LBMA prices for the period. The Company does not include by-products in the gold equivalent ounce calculations.*

23) *During the three months ended September 30, 2023, the Company reclassified Sustaining exploration and evaluation expense to Sustaining capital expenditures at Puna. These costs had been appropriately capitalized in prior periods, but had been reported as expense rather than capital in the AISC table. The update to the presentation for these costs did not impact the AISC per ounce calculation.*

Net Cash

	As of	
(in thousands)	**September 30, 2023**	December 31, 2022
Cash and cash equivalents	**$437,675**	$655,453
Restricted cash	**$100**	$33,653
Total cash	**$437,775**	$689,106
Short and long term portion of term loan	**$0**	$70,000
Face value of 2019 convertible note	**$230,000**	$230,000
Other debt	**$906**	$1,797
Total debt	**$230,906**	$301,797
Net cash (debt)	**$206,869**	$387,309

Liquidity

	As of	
(in thousands)	**September 30, 2023**	December 31, 2022
Cash and cash equivalents	**$437,675**	$655,453
Restricted cash	**$100**	$33,653
Total cash	**$437,775**	$689,106
Borrowing capacity on credit facility	**$400,000**	$200,000
Borrowing capacity on accordion feature of credit facility	**$100,000**	$100,000
Net cash (debt)	**$937,775**	$989,106

As of September 30, 2023, no borrowings were outstanding on the Company's $400.0 million credit facility with a $100.0 million accordion feature.



SSR Mining Inc.
F. Edward Farid, Executive Vice President, Chief Corporate Development Officer
Alex Hunchak, Vice President, Investor Relations

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