



A FREE CASH FLOW FOCUSED GOLD PRODUCER



Second Quarter 2022 Financial Results

August 2022

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. 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.sedar.com, 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 Item 1300 of SEC Regulation SK. 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 at www.sec.gov. 2021 reserves and resources were determined in accordance with Item 1300 of SEC Regulation S-K. Reserves and resources for prior periods were determined in accordance with Canadian National Instrument 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 National Instrument 43-101 – Standards of Disclosure for Mineral Projects ("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 subpart 1 of Regulation 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, realized metal prices, earnings before interest, taxes, depreciation and amortization ("EBITDA"), 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 believes 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 filing 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

Stable Operating Platform of 700+ koz AuEq Annually



High Quality Diversified Portfolio

Stable production platform of 700+ koz AuEq

- Four core operating jurisdictions
- 10+ Moz AuEq Mineral Reserves
- 17+ year weighted average mine life

Balance Sheet Strength

Robust balance sheet to organically fund growth

- Total Cash: \$974M *
- Net Cash: \$638M *
- Total Debt: \$336M *

Free Cash Flow Leader

Strong free cash flow generation and capital returns

- LTM operating cash flow of ~\$440M, free cash flow of ~\$295M *
- Dividend increased 40% in Q1, NCIB announced in Q2
- 2022 year-to-date capital returns yield of 2.8%*

Organic Growth Potential

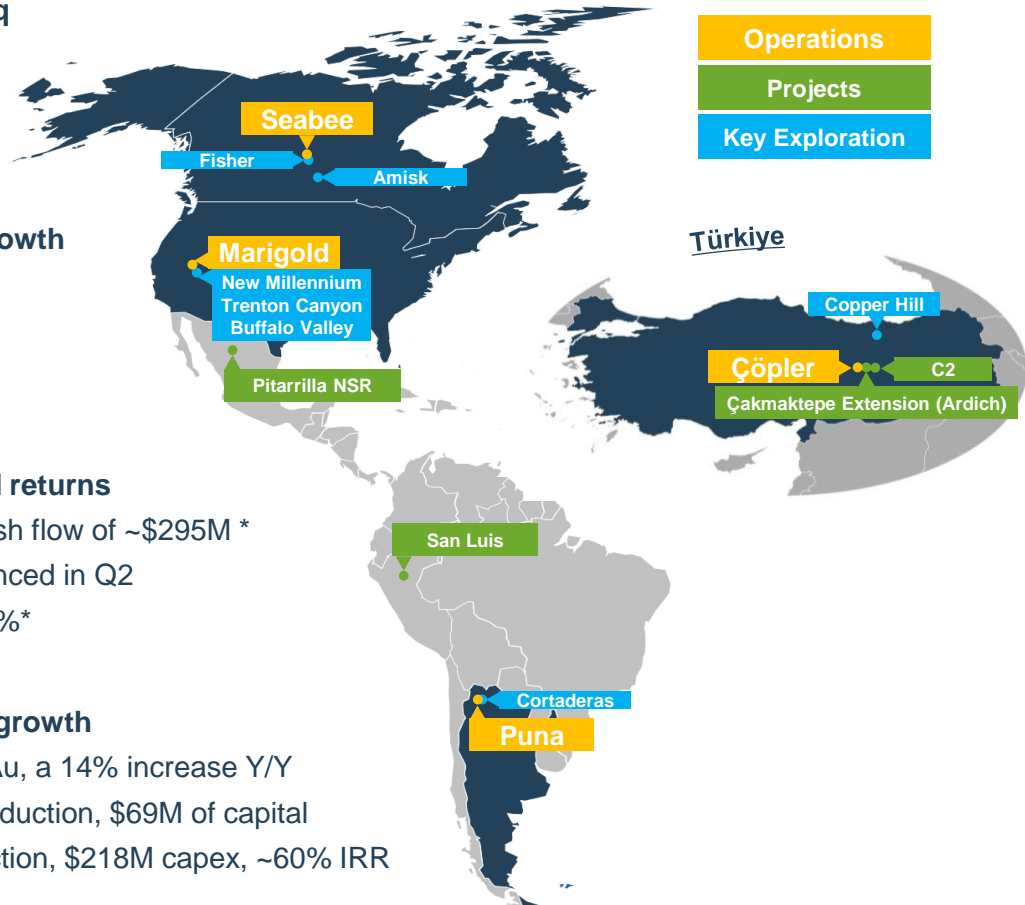
High return, low capital intensity near-term growth

- 2021 Mineral Reserves increased 1.1 Moz Au, a 14% increase Y/Y
- Ardich 1st production 2023: 1.2+ Moz Au production, \$69M of capital
- C2 1st production 2025: 1.0+ Moz Au production, \$218M capex, ~60% IRR

Track Record of Delivery

Disciplined leadership with established track record of value creation

- Continued operational delivery and ESG leadership
- Track record of accretive M&A and complex asset construction
- Diverse mining and processing skill set



- 3 Operating Gold Assets: Çöpler, Marigold & Seabee
- 1 Operating Silver Asset: Puna
- 3 Projects: Çakmaktepe Extension (Ardich), C2, San Luis
- 20+ Near-Mine and Stand-Alone Exploration Properties

Our Sustainability Vision: Living Our Values

Our Values Shape Our Culture and Support our Strategy and Vision

People & Culture



We value our people and invest in their growth and development. We are tenacious, working with a sense of urgency to achieve exceptional outcomes.

Sustainability



We care for the environment and communities we operate in and take personal responsibility for creating and maintaining a sustainable business.

Health, Safety & Risk



We protect and care for the people, communities, and environments in which we do business. We actively manage risk at all levels of the business.

Business Excellence



We are a high-performing organization and are always looking for ways to optimize our assets and business opportunities.

Innovation



We are committed to innovation at all levels of the business and are industry leaders for project delivery and step-change solutions.

Growth

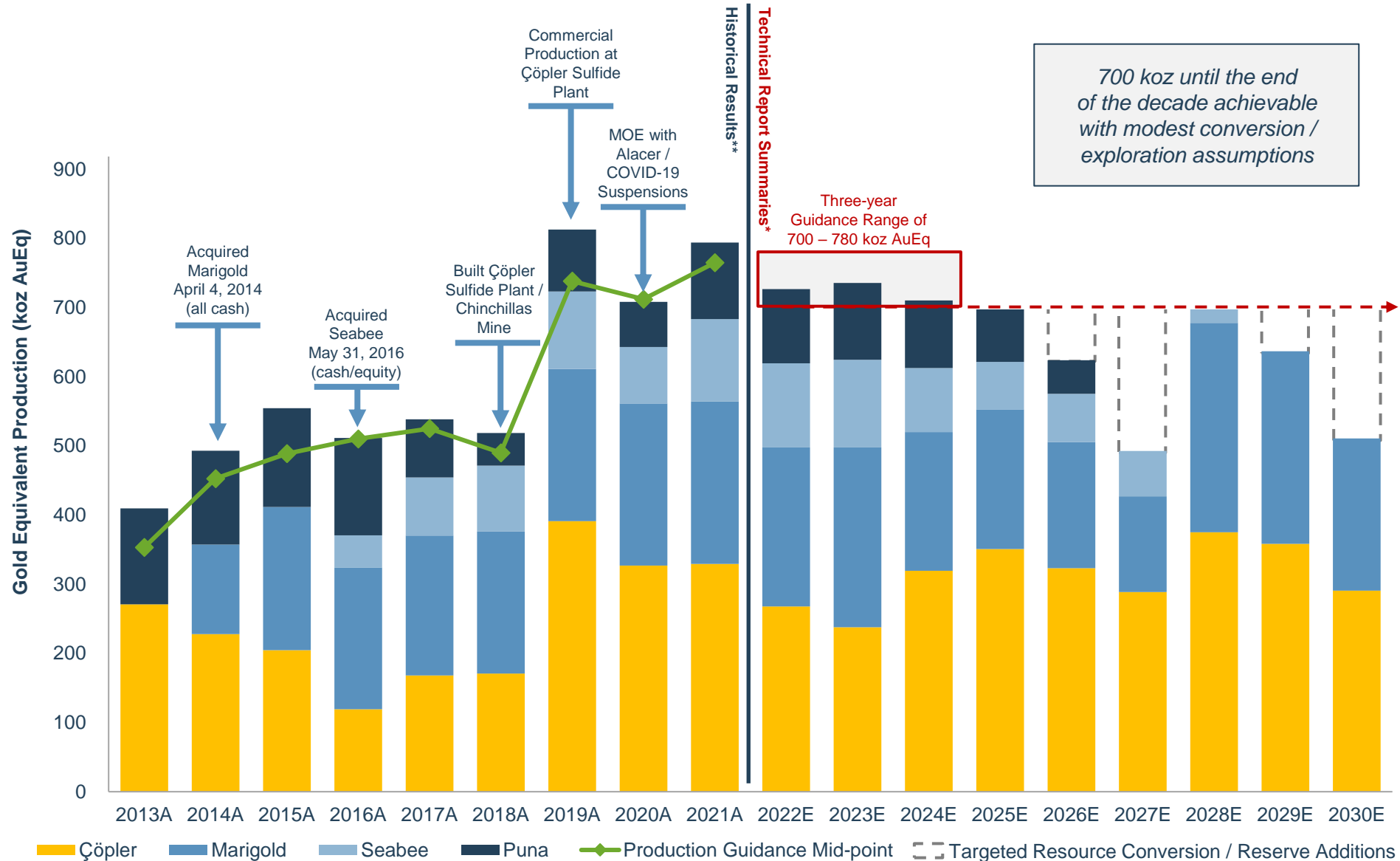


We take a disciplined approach to achieving meaningful and sustainable growth. We employ a robust framework for evaluating, managing and implementing value-creating growth opportunities.

OUR PURPOSE: To create value & leave a positive legacy through responsible and sustainable operations

Continued Operational Delivery Over Past Decade

Long-term Stable Production Platform With Additional Avenues for Growth



* Çöpler production used in Technical Report Summary forecasts based on Initial Assessment Case; See endnotes for additional details

** Historical production is reported on a consolidated basis and is a combination of SSR Mining and Alacer Gold production figures

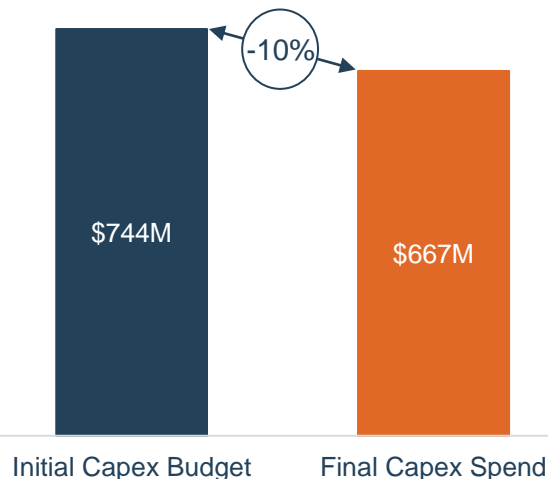
Building on Proven History of Project Delivery and M&A

Non-Core Asset Sales in Excess of US\$240M Over the Past Four Quarters

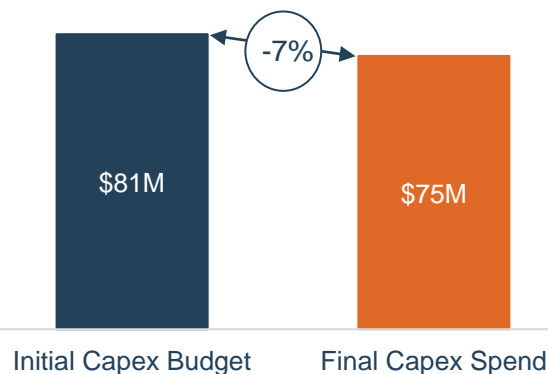


Delivering Projects On Time & Budget

POX Plant (Çöpler)

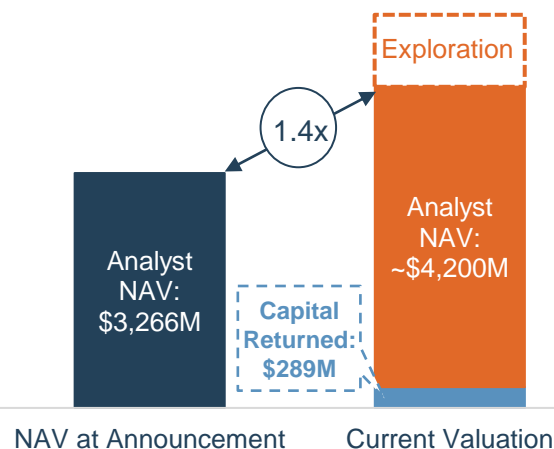


Chinchillas Project (Puna)

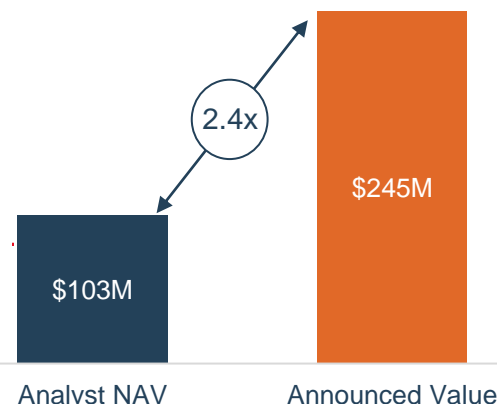


Building Value Through Disciplined M&A **

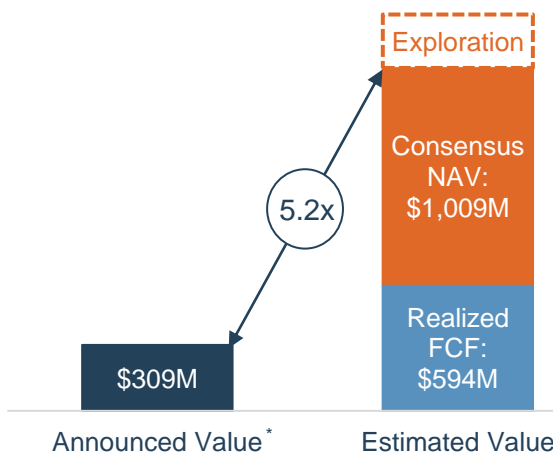
SSRM / Alacer Merger



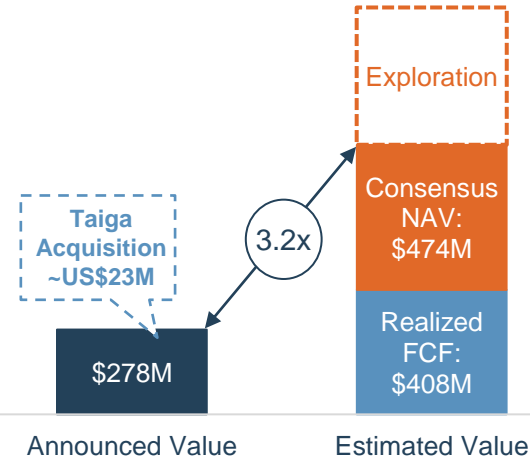
Non-Core Asset Sales



Marigold Acquisition



Seabee Acquisition

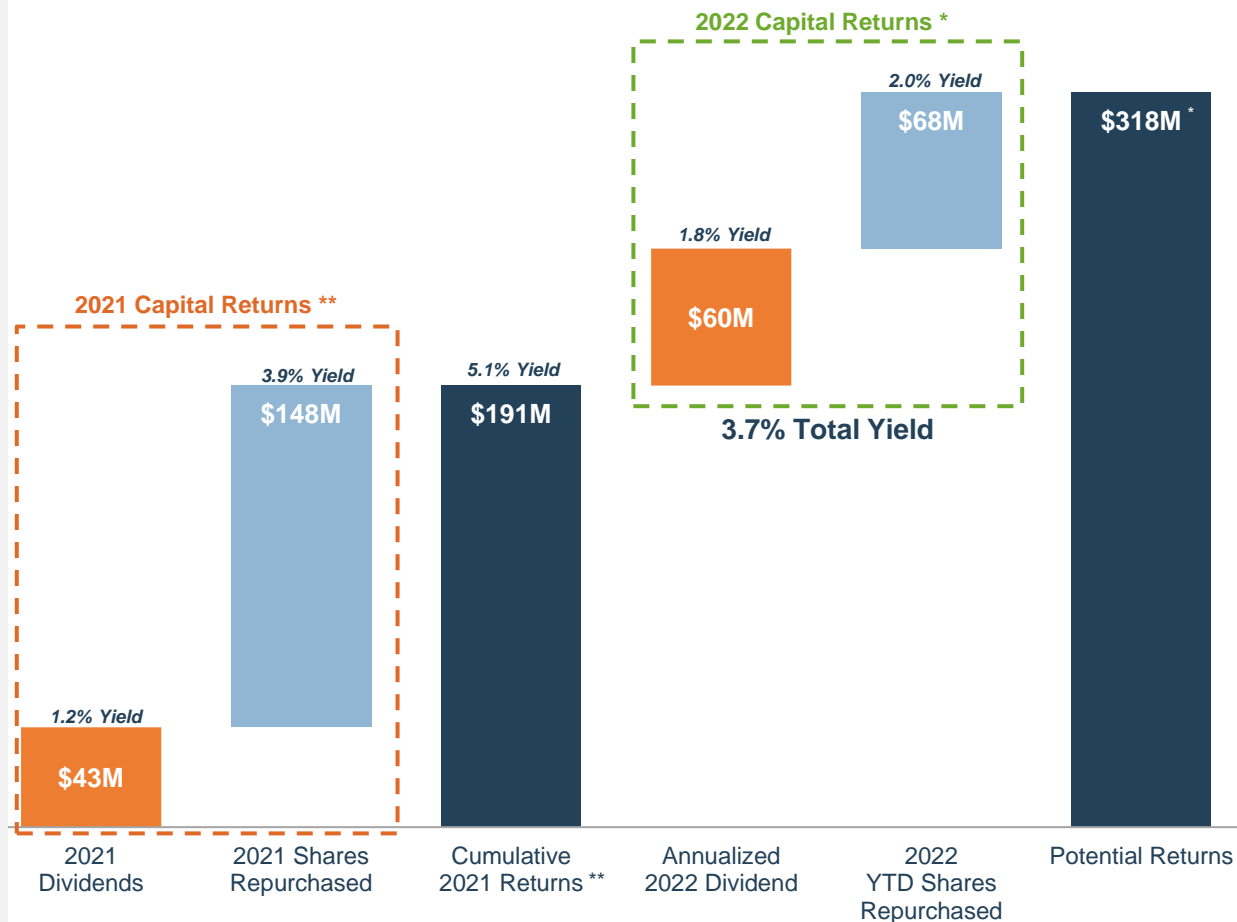


Track Record of Returning Capital to Shareholders

Peer-leading Returns Aligned With Free Cash Flow Outlook

History of Significant Shareholder Returns

- Capital returns program aligned with strong free cash flow outlook
- Robust capital returns programs in 2021 (5.1% yield) and 2022 (3.7%+ yield)
- 2021 shareholder returns of US\$191 million
- In Jan 2022, increased dividend by 40% to US\$0.07/share, or ~\$60 million annualized
- 2022 buyback program authorized to purchase up to 10.6 million shares until June 2023
- 2022 YTD shareholder buybacks of \$68 million
- Over the past 18 months, repurchased nearly \$220 million at an average share price of \$16.83



Second Quarter 2022 Commentary

Strong Operating Results Include Record First Half Production at Seabee



Operational

Solid quarterly operating performance

- Q2 consolidated production of 159 koz AuEq at production costs of \$986/oz and AISC * of \$1,267/oz AuEq
- Record H1 production of over 90 koz at Seabee on grades of 14.85 g/t and operational improvements
- Marigold stacked 71 koz in Q2, setting stage for stronger production in H2
- On track to meet lower end of production guidance

Çöpler improvement initiatives complete; pending inspection and verification by Regulators

- Çöpler has completed improvement initiatives required by Türkiye's Ministry of Environment
- After inspection and verification, we will move towards the required approvals to restart operations during the third quarter of 2022
- Working closely with Regulators throughout the process

Growth

Further advancement of growth targets and expanded exploration programs

- Exploration updates planned for fall/winter 2022 across the portfolio
- C2 growth project at Çöpler approved for PFS (60% IRR), Ardich on-track for first production in 2023
- Updated SK1300 reports at Marigold and Seabee expected in H1/23

Strong Quarterly Financial Results

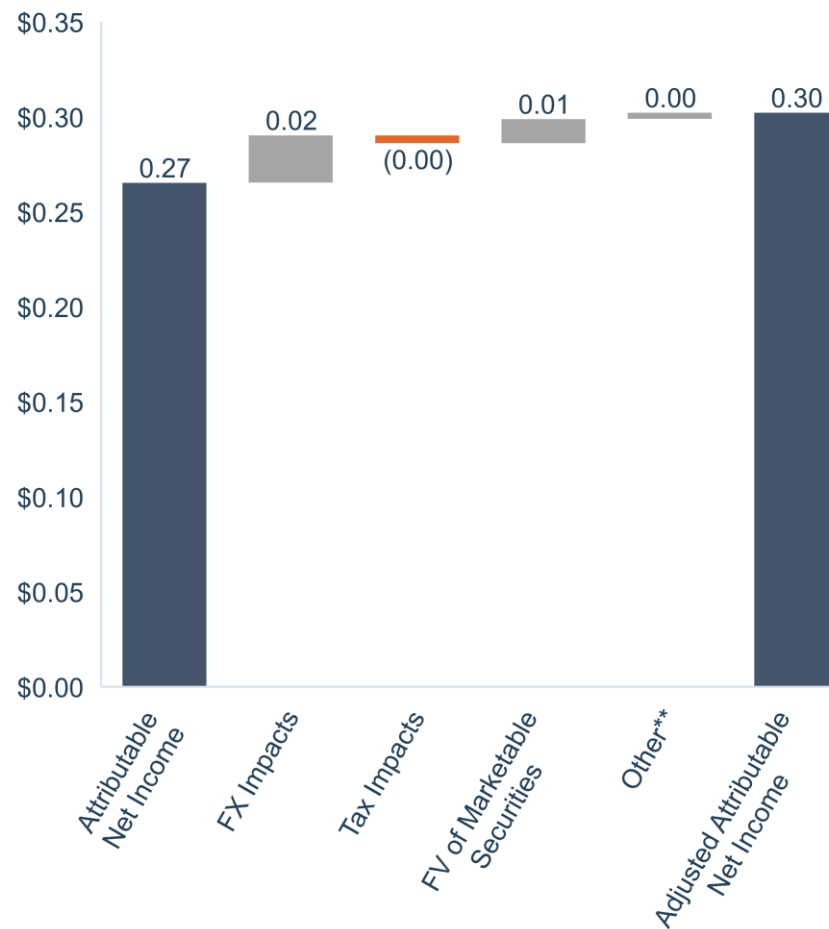
Free Cash Flow Remains Weighted to Second Half



Financial Highlights

	Units	Q2 2022	Q2 2021
Gold Equivalent Production	oz	159,262	199,673
Gold Sales	oz	146,329	173,572
Silver Sales	Moz	1.8	1.9
Total Gold Equivalent Sales	oz	167,201	201,504
Revenue	\$M	\$319.6	\$377.0
Net Income	\$M	\$67.5	\$77.8
Attributable Net Income	\$M	\$58.5	\$74.7
Attributable Earnings Per Share (Basic / Diluted)	\$/sh	\$0.28 / \$0.27	\$0.34 / \$0.33
Adjusted Attributable Net Income *	\$M	\$66.8	\$107.3
Adjusted Attributable Net Income Per Share (Basic / Diluted)	\$/sh	\$0.31 / \$0.30	\$0.49 / \$0.47
Cash Generated by Operating Activities	\$M	\$32.8	\$135.8
Free Cash Flow *	\$M	(\$9.0)	\$98.2
Cash and Cash Equivalents	\$M	\$938.6	\$870.4

Diluted Q2 2022 EPS Bridge *



Guidance Continues to Reflect Strong Margin Production

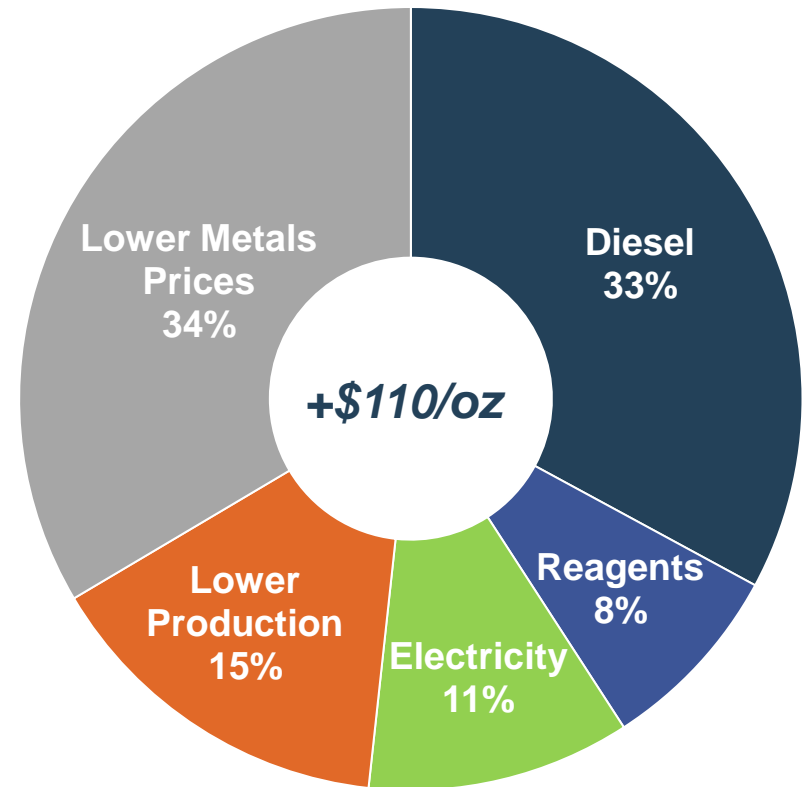
Cost Performance Impacted by Çöpler Shutdown, Inflationary Pressures



2022 Production & Cost Guidance

		Prior *	Updated
Çöpler	Au koz	255 – 285	220 – 250
Marigold	Au koz	215 – 245	215 – 245
Seabee	Au koz	115 – 125	150 – 160
Puna	Ag Moz	8.0 – 9.0	8.0 – 9.0
Consolidated	AuEq koz	700 – 780	700 – 780
		Prior *	Updated
<i>Çöpler Production Costs *</i>	<i>\$/Au oz</i>	<i>NA</i>	<i>\$1,000 – \$1,050</i>
<i>Çöpler AISC **</i>	<i>\$/Au oz</i>	<i>\$915 – \$965</i>	<i>\$1,160 – \$1,210</i>
<i>Marigold Production Costs *</i>	<i>\$/Au oz</i>	<i>NA</i>	<i>\$1,025 – \$1,075</i>
<i>Marigold AISC **</i>	<i>\$/Au oz</i>	<i>\$1,245 – \$1,295</i>	<i>\$1,325 – \$1,375</i>
<i>Seabee Production Costs *</i>	<i>\$/Au oz</i>	<i>NA</i>	<i>\$435 – \$485</i>
<i>Seabee AISC **</i>	<i>\$/Au oz</i>	<i>\$895 – \$945</i>	<i>\$705 – \$755</i>
<i>Puna Production Costs *</i>	<i>\$/Ag oz</i>	<i>NA</i>	<i>\$18.00 – \$19.50</i>
<i>Puna AISC **</i>	<i>\$/Ag oz</i>	<i>\$14.75 – \$16.25</i>	<i>\$16.25 – \$17.75</i>
<i>Consolidated Production * Costs</i>	<i>\$/AuEq oz</i>	<i>NA</i>	<i>\$940 – \$1,000</i>
<i>Consolidated AISC **</i>	<i>\$/AuEq oz</i>	<i>\$1,120 – \$1,180</i>	<i>\$1,230 – \$1,290</i>

Components of Cost Guidance Increase



Significant Financial Strength

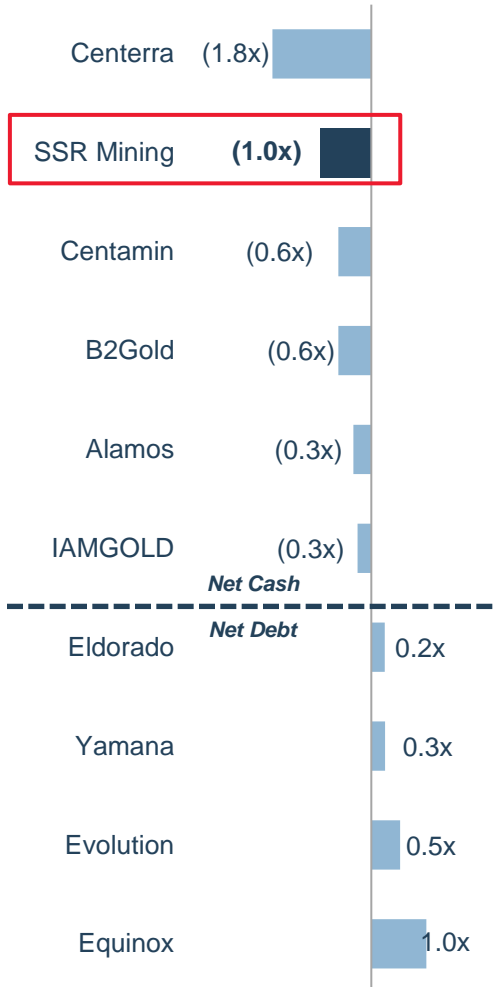
Robust Balance Sheet Metrics



Financial Position

Market Capitalization	~\$3.4B
Total Debt	\$336M
Total Cash	\$974M
Net Debt to '22 Consensus EBITDA	(1.0x)

Net Debt to 2022E EBITDA



Capital Allocation Priorities

Reinvesting in Low Capital Intensity Growth

- 2022 growth capital of \$76M
- \$69M initial capex at Ardoch, first production in 2023
- \$218M initial capex at C2, first production in 2025

Balance Sheet Strength

- Ensures SSR Mining weathers future gold price cycles
- Supports capital commitments and base dividend over long-term
- Could enable opportunistic M&A

Capital Returns

- SSR Mining returned \$191M to shareholders in 2021 (5.1% yield)
- Dividend increased by 40% in Q1 2022 to \$0.07 quarterly
- YTD 2022 capital returns of nearly \$100M or a 2.8% capital return yield

Debt	Face Value (\$M)	Maturity	Interest Rate
Term Loan	US\$105	2023	LIBOR + 3.50% - 3.70%
Convertible Notes	US\$230	2033	2.50%
Credit Facility (\$200M capacity)	US\$0	2025	LIBOR + 2.00% - 3.00%

ASSET OVERVIEWS

Çöpler: Flagship Asset with a 22+ Year Mine Life

Location: Türkiye **Stage:** Production **Ownership:** 80%
Mining: Open pit **Processing:** Heap leach, POX **Land:** ~27,000 ha

Q2 2022 Highlights

- Gold production of 51 koz at production cost of \$1,091/oz and AISC* of \$1,253/oz
- Autoclave maintenance successfully completed in Q2 2022
- Maintenance planned for Q4 2022 accelerated to Q3 2022, autoclave brick re-lining deferred until 2023
- Step-out and infill drilling at Ardich continuing, on-track towards first gold production in 2023
- Continued optimization of flotation plant

2022 Priorities

- Restart of Çöpler mine operations in Q3
- Continued exploration and potential Reserve expansion at Ardich
- Progressing Ardich to first production in 2023
- Advancing C2 project into PFS, targeting first production in 2025
- Regional exploration initiatives across the Çöpler district

Çakmaktepe Pit



	Q2 2022 Actual	H1 2022 Actual	2022 Guidance
Gold Production (koz)	51	122	220 – 250
Mine-site Production Costs (\$/oz)	\$1,091	\$965	\$1,000 – \$1,050
Mine-site AISC (\$/oz) *	\$1,253	\$1,087	\$1,160 – \$1,210
Three-Year Guidance	2022E	2023E	2024E
Gold Production (koz)	220 - 250	220 - 250	300 – 330

Marigold: Large-Scale Open Pit in Nevada

Location: USA **Stage:** Production **Ownership:** 100%
Mining: Open pit **Processing:** ROM, heap leach **Land:** ~20,000 ha

Q2 2022 Highlights

- Gold production of 46 koz at production cost of \$1,097/oz and AISC* of \$1,458/oz
- Stacked 71 koz of recoverable gold to the heap leach in Q2 2022 at grades of 0.67g/t
- Mine scheduling and finer ore from north pits drove lower H1 2022 production as expected
- Full-year production remains H2 2022 weighted, particularly in Q4 2022, reflecting higher grades stacked later in Q2 and into Q3
- Dewatering initiatives continued to plan, enabling access to higher grade ore

2022 Priorities

- Increase exploration drilling by ~20%, targeting higher-grade oxide targets, expanding resources and converting to reserves
- Continue measured & targeted exploration of high-grade sulfide targets
- Operational Excellence programs – lower costs & increase production

Marigold Rope Shovel



	Q2 2022 Actual	H1 2022 Actual	2022 Guidance
Gold Production (koz)	46	80	215 – 245
Mine-site Production Costs (\$/oz)	\$1,097	\$1,075	\$1,025 – \$1,075
Mine-site AISC (\$/oz) *	\$1,458	\$1,505	\$1,325 – \$1,375
Three-Year Guidance	2022E	2023E	2024E
Gold Production (koz)	215 – 245	245 – 275	200 – 230

Seabee: High-Grade Underground in Canada



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

Q2 2022 Highlights

- Quarterly gold production of 38 koz at production cost of \$447/oz and AISC* of \$628/oz
- Record first half production of 91 koz at production cost of \$392/oz and AISC* of \$611/oz
- Mill feed grade of 12.06 g/t benefitted from processing of higher grade material stockpiled in the first quarter of 2022
- Exploration and development underway to evaluate opportunities to re-access higher grade zone in 2023

2022 Priorities

- Increase exploration drilling by ~20% targeting higher grades and tonnes along strike in the Santoy 8 & 9 structures (current source of production and higher grades)
- Further exploration and Mineral Reserve conversion at GHW
- Advance near mine drilling targets including Santoy Hangingwall and Shane
- Continuous improvement and innovation programs driving sustained increase to production levels and lowering costs

Seabee Mill



	Q2 2022 Actual	H1 2022 Actual	2022 Guidance
Gold Production (koz)	38	91	150 – 160
Mine-site Production Costs (\$/oz)	\$447	\$392	\$435 – \$485
Mine-site AISC (\$/oz) *	\$628	\$611	\$705 – \$755
Three-Year Guidance	2022E	2023E	2024E
Gold Production (koz)	150 – 160	120 – 130	95 – 105

Puna: Large Silver Producer

Location: Argentina	Stage: Production	Ownership: 100%
Mining: Open pit	Processing: Flotation	Land: ~10,000 ha

Q2 2022 Highlights

- Silver production of 2.0 Moz Ag at production cost of \$18.29/oz and AISC* of \$15.23/oz
- Production returned to plan with average throughput above 4,600 tpd in the second quarter
- Full-year production weighted to H2 2022 driven by grades; tonnes processed are targeted to remain >4,500 tpd throughout 2022
- Ramp up of exploration activities on site

2022 Priorities

- Further optimize plant efficiency & throughput (>4,500 tpd)
- Focus on cost reduction; continue to manage COVID-19 risks
- Drill testing potential for in-pit Mineral Reserve and Resource growth at the Chinchillas mine
- Regional exploration programs also continuing; following up on promising results from prior work

Chinchillas Mine



	Q2 2022 Actual	H1 2022 Actual	2022 Guidance
Silver Production (Moz)	2.0	3.3	8.0 – 9.0
Mine-site Production Costs (\$/oz)	\$18.29	\$19.31	\$18.00 – \$19.50
Mine-site AISC (\$/oz) *	\$15.23	\$14.95	\$16.25 – \$17.75
Three-Year Guidance	2022E	2023E	2024E
Silver Production (koz)	8.0 – 9.0	8.5 – 9.5	7.5 – 8.5

Robust Exploration and Growth Pipeline

Near Mine Targets To Sustain And Grow From +700koz AuEq For At Least 10+ Years

Çöpler District

Çakmaktepe
Extension (Ardich)

Çöpler In-Pit/Saddle

Çöpler Copper (C2)

Marigold

Mackay

Valmy

New Millennium

Seabee

Santoy 8 & 9

Santoy GHW/FW

Shane

Puna

Chinchillas

Cortaderas

Regional

Growth Targets Provide Step Change Upside

Türkiye

Copper Hill

Çöpler District

Türkiye Regional

Marigold

Trenton Canyon
Oxides

Trenton Canyon
Sulfides

Buffalo Valley

Seabee

Porky / Porky West

Fisher

Taiga Properties

Global

Amisk

San Luis

Sunrise Lake

Appendix

Executive Team and Board of Directors

Depth of Experience and Track Record of Delivery



Executive Team



Rodney Antal
President, Chief
Executive Officer



Alison White
EVP, Chief
Financial Officer



Stewart Beckman
EVP, Chief
Operating Officer



F. Edward Farid
EVP, Chief Corporate
Development Officer



Michael Sparks
EVP, Chief Legal &
Administrative Officer

Board of Directors



Michael Anglin
Chairman



Thomas Bates
Director



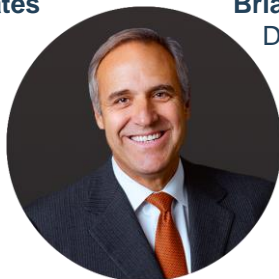
Brian Booth
Director



Simon Fish
Director



Leigh Ann Fisher
Director



Alan Krusi
Director



Kay Priestly
Director



Rodney Antal
President, Chief
Executive Officer

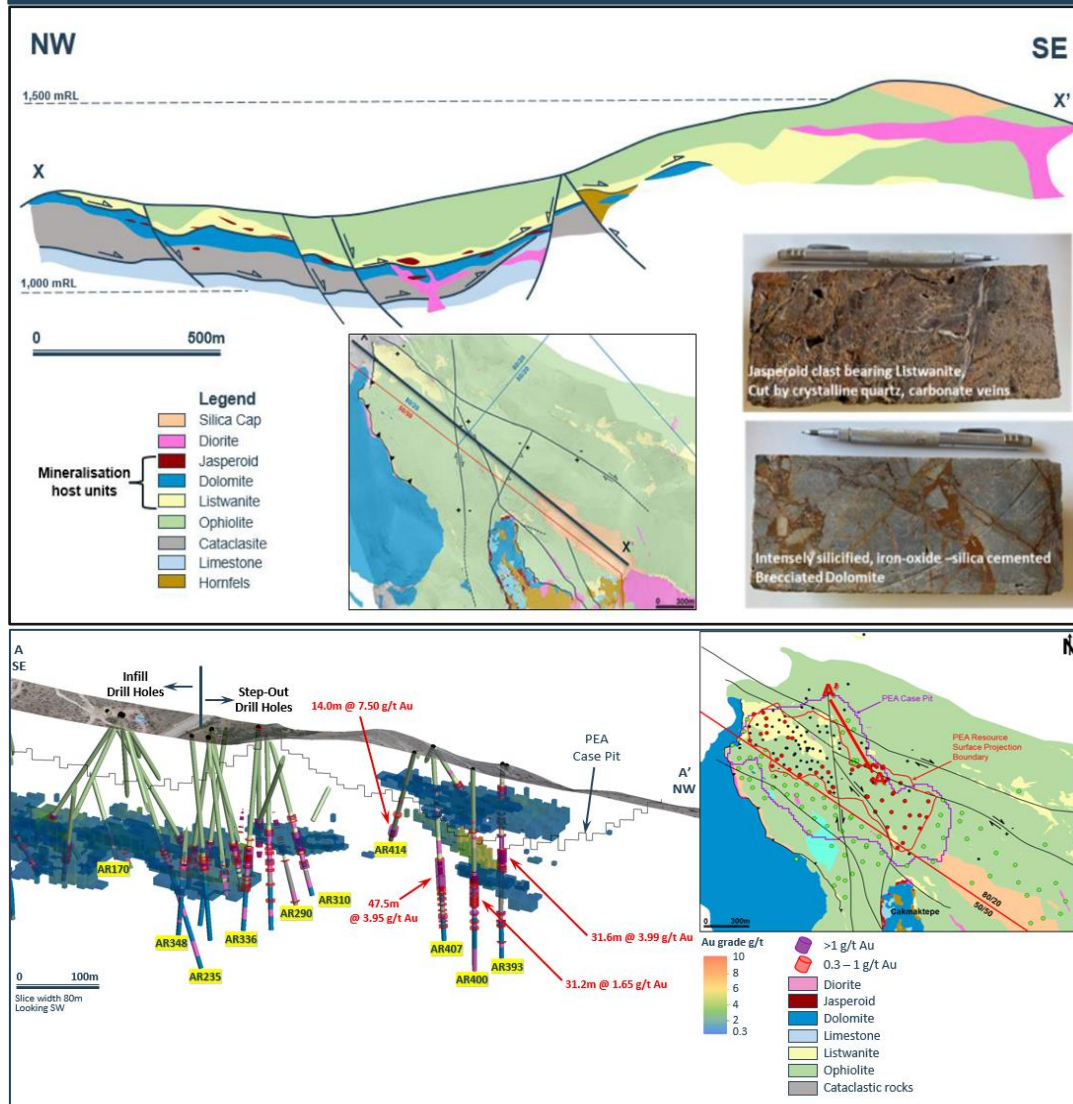
Çakmaktepe Extension: Progressing to 1st Production in 2023

Strong Potential for Further Conversion and Resource Growth

Overview

- Çakmaktepe Extension located ~6 km from Çöpler
- 2021 Initial Mineral Reserve included in CDMP21
 - 1.68Moz Au in total Mineral Reserves
 - 606koz in M&I Mineral Resources
 - 844koz in Inferred Mineral resources
- CDMP21 Reserve Case includes of 1.2Moz gold production from Çakmaktepe Extension beginning in 2023
 - Initial development work planned to commence in 2022
 - CDMP21 included \$69M in total development capex for Çakmaktepe Extension
- Exploration will continue to target additional Mineral Reserve and Resource growth
 - Additional positive drill results subsequent to Çakmaktepe Extension exploration update news release (Aug. 2021)*
 - 26km of resource development drilling planned in 2022
- Total exploration drilling spend of \$18.5M since initial program in 2017 implies \$6/oz discovery & definition cost

Çakmaktepe Extension Geological Cross Section *



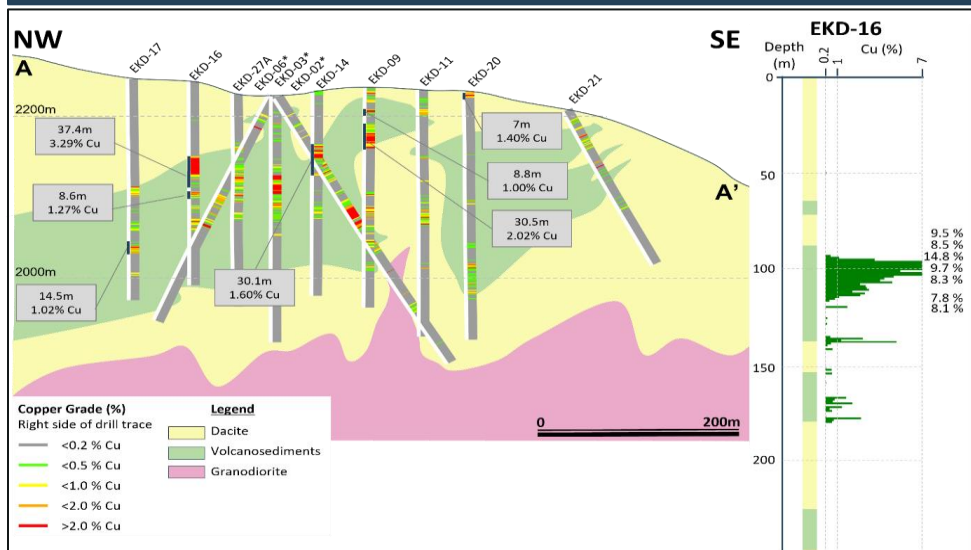
Copper Hill: Greenfield Discovery

Near-surface Copper Sulfide Mineralization

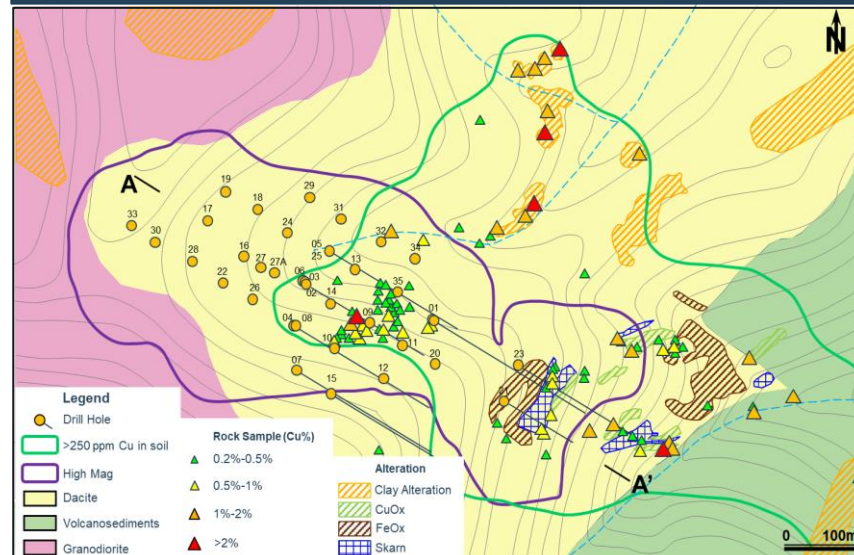
Overview

- Located in the Black Sea region of northeast Türkiye; 70% owned by SSR Mining
- Drilling started in 2018, with 35 holes (~11,000 m) drilled to-date *
- Highlight intercepts include:
 - 3.29% Cu over 37.4 m** from 92.0 m downhole
 - 3.03% Cu over 31.5 m** from 107.5 m downhole
- Low levels of arsenic or other metals (<0.01% zinc and lead)
- Mineralization starts at surface, target open in all directions laterally and at depth

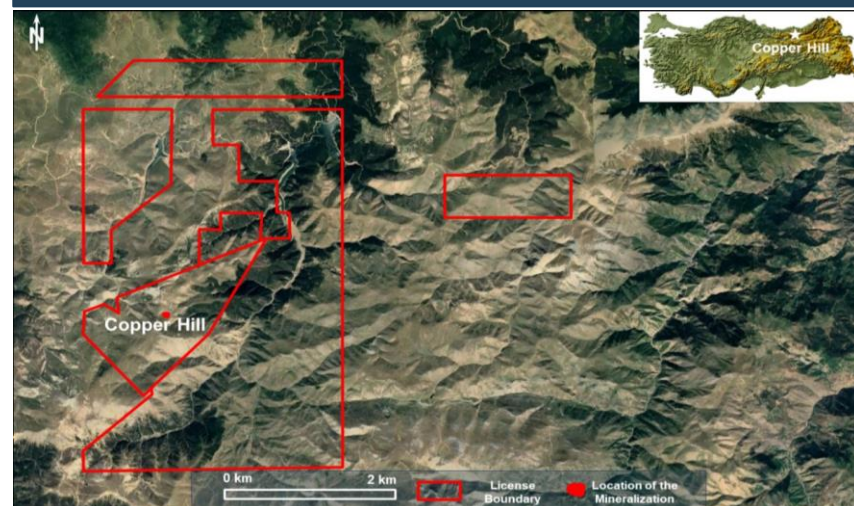
Conceptual NW-SE Section



2021 Exploration Drilling & Sampling



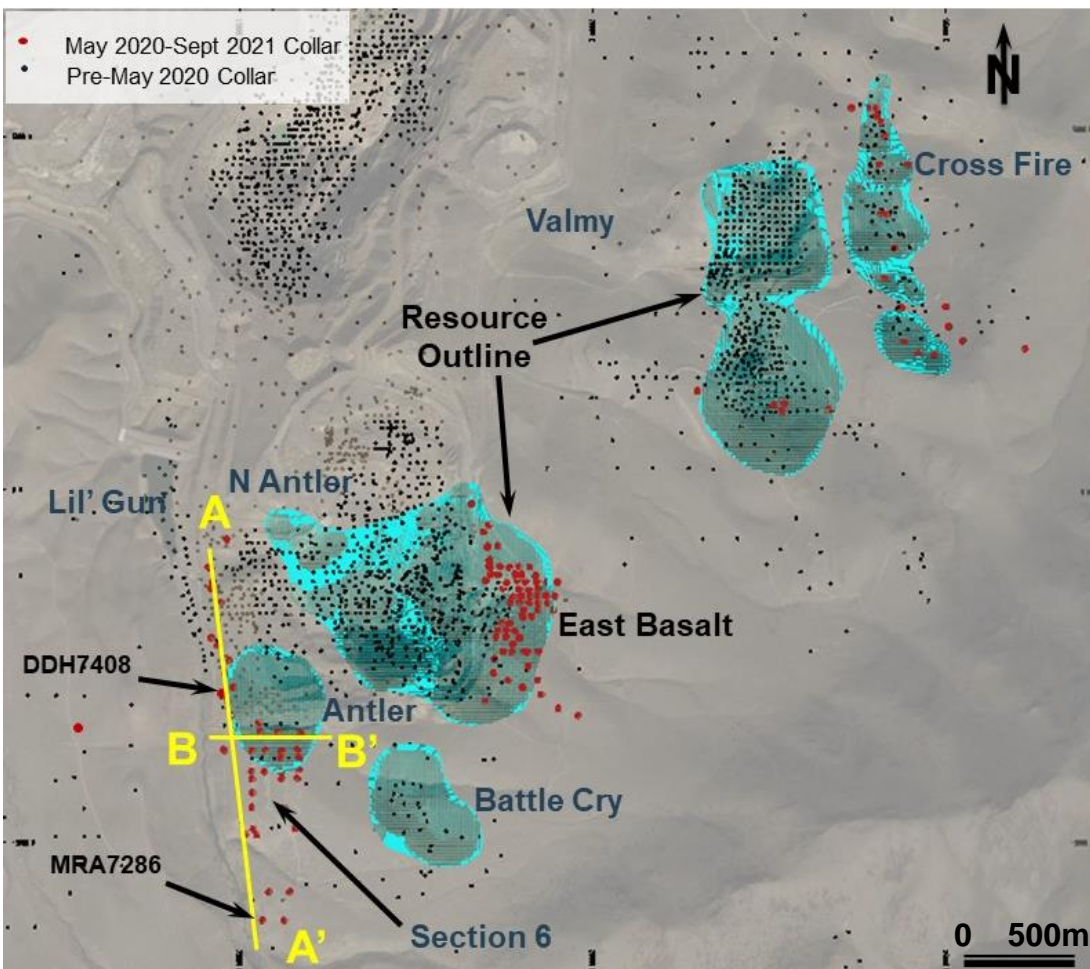
Copper Hill Property Location



Marigold: Targeting Additional Oxide Mineralization

New Millennium Target Presents Opportunity for Resource Growth

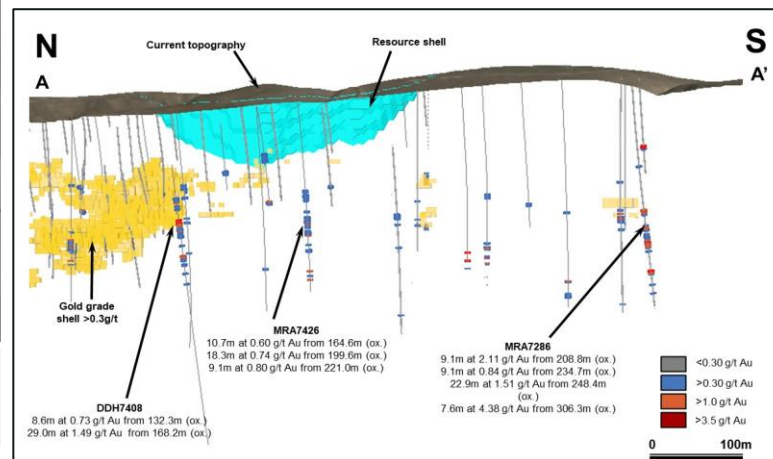
Recent Drilling * At New Millennium Target



- Enabled by recent land acquisitions (Valmy, Section 6), **New Millennium** hosts potential as a larger, consolidated pit at Marigold

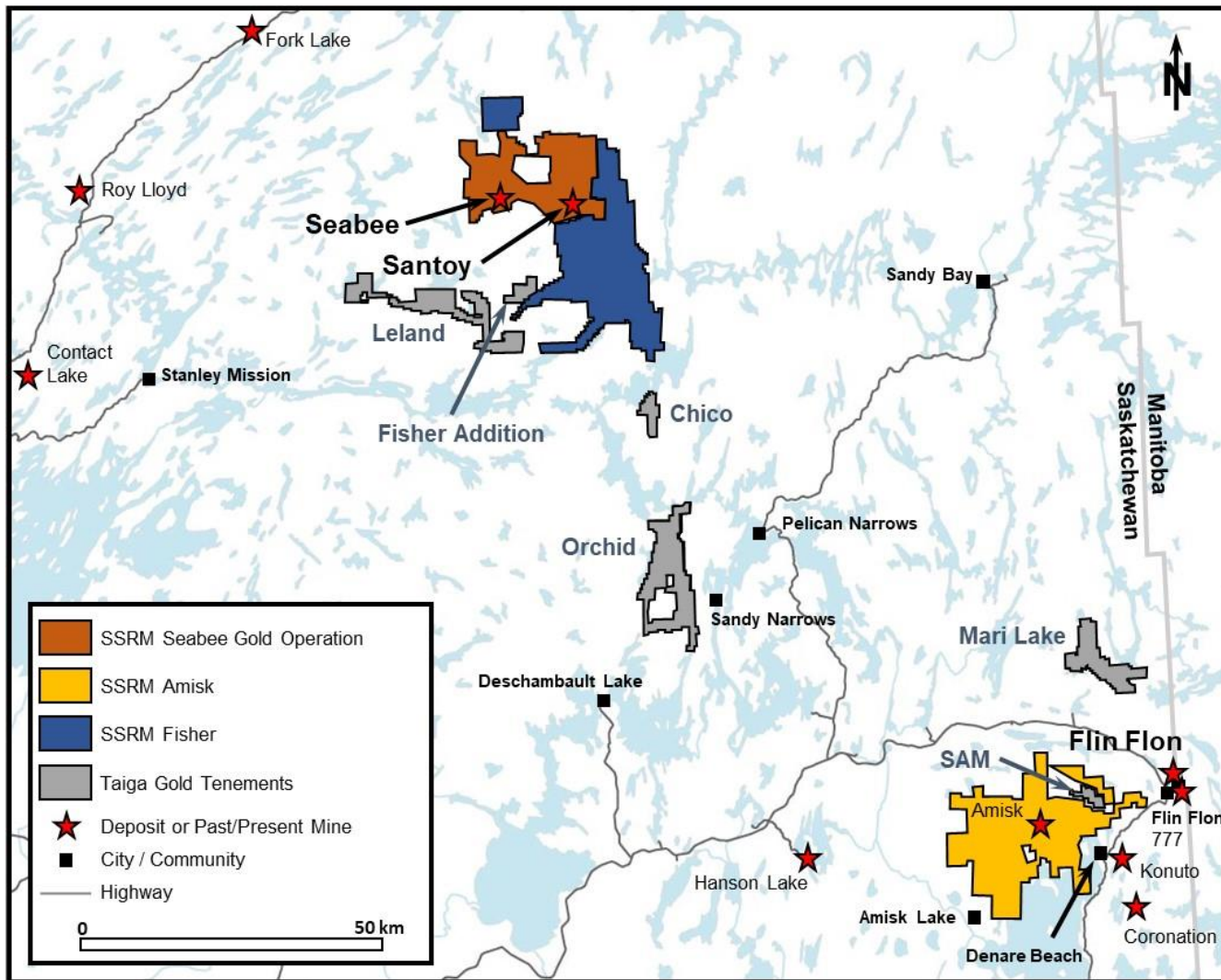
Recent Exploration Highlights

- Marigold currently hosts a mine life of +10 years, with current exploration focused on additional oxide ore that complements or extends the existing mine plan
- Recent New Millennium oxide results include *:
 - 10.47 g/t over 16.8 m**
 - 7.88 g/t over 10.7 m**
 - 1.51 g/t over 22.9 m**
- Potential longer-term production from Trenton Canyon & Buffalo Valley oxides
- Recent oxide drill results at Trenton Canyon include **2.97 g/t over 71.6 m** *
- Exploration for deeper sulfides continues



First Mover Advantage in Saskatchewan

Pipeline of Regional Targets Across Underexplored Province



Saskatchewan Platform

- Seabee is the only producing gold mine in Saskatchewan
- Acquisition of Taiga Gold Corp. * significantly expands SSR Mining's regional platform in the province:
 - Consolidates a 100% interest in Fisher properties
 - Unencumbers Fisher by eliminating a 2.5% NSR
 - Adds 5 new properties between SSRM's Seabee and Amisk projects
- Taiga properties focus on structural settings similar to the shear system hosting Seabee-Santoy mineralization
- Expands SSRM's earlier stage Amisk exploration project

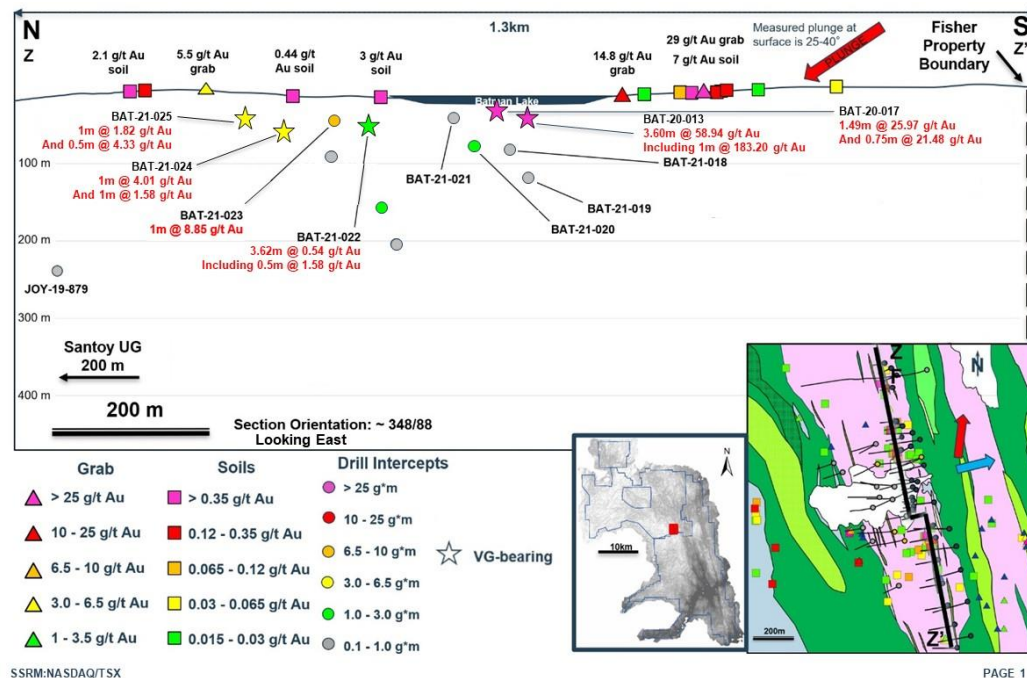
Seabee Exploration Program Yielding Positive Results

Gap Hanging Wall Reserves Included in 2021 R&R Statement

Overview

- 2021 drilling focused on brownfields development targets across Seabee and Fisher properties
- Gap Hanging Wall (GHW)** hosts potential as Seabee's next extension
 - Drilling aiming to delineate additional Mineral Reserves at GHW going forward
 - Highlight intercepts include *:
 - 19.16 g/t over 6.98 m**
 - 12.14 g/t over 9.47 m**
- Santoy Hanging Wall (SHW)** presents another potential future development
 - Current drilling targeting future initial Mineral Resources
 - Highlight intercepts include *:
 - 12.75 g/t over 2.83 m**
 - 16.31 g/t over 3.56 m**
- The **Joker** target offers potential to extend the Santoy mine beyond GHW and SHW mineralization by up to 1km
 - Highlight intercept * of **25.97 g/t over 1.49 m**
- Exploration also continuing at **Fisher**, located immediately south of the Seabee property
 - Mac North target returned * **22.99 g/t over 1.46 m**

Highlight Intercepts * At Seabee's Joker Target



PAGE 1

Selected Intercepts * From Fisher Gold Property

Hole ID	From (m)	To (m)	Gold (g/t)	Interval (m)	EOH Depth (m)	Zone
FIS-20-051	170.09	170.59	18.70	0.50	225.00	Mac N HW
FIS-20-053	253.63	255.55	10.26	1.92	462.00	Mac N
Including	255.05	255.55	31.82	0.50	462.00	Mac N
FIS-20-061	613.00	614.00	10.37	1.00	761.00	Mac N
FIS-21-065	348.47	349.93	22.99	1.46	412.97	Mac N
YIN-20-002	87.00	89.50	10.03	2.50	159.00	Yin

1. Mineral Reserves and Mineral Resources for Çöpler, Marigold, Seabee, Puna, San Luis, Pitarrilla, and Amisk as of December 31, 2021. Mineral Reserves and Mineral Resources are shown on a 100% basis. Mineral Resources are stated exclusive of Mineral Reserves. For details see our news release dated February 23, 2022 titled "SSR Mining Reports Fourth Quarter and Full Year 2021 Results" and the Mineral Reserves and Mineral Resource summary tables included in Item 2 of our 2021 annual report filing on Form 10-K ("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.sedar.com and on the ASX at www.asx.com.au.
2. These statements and estimates 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". Each TRS has also been appended to our Form 10-K along with the signed consent of QPs who prepared each TRS. 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. All TRSs use consensus commodity prices, including a gold price of \$1,800/oz in 2022, \$1,740/oz in 2023, \$1,710 in 2024, \$1,670/oz in 2025 and \$1,600/oz long-term. Reference to five-year average based on 2022-2026 and reference to ten-year average based on 2022-2031.
3. The Initial Assessment Case is preliminary in nature and includes an economic analysis that is based, in part, on Inferred Mineral Resources. Inferred Mineral Resources are considered too speculative geologically for the application of economic considerations that would allow them to be categorized as Mineral Reserves, and there is no certainty that the results will be realized. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.
4. The Company reports Non-GAAP financial measures including adjusted attributable net income, adjusted basic attributable net income per share, net debt, net cash, adjusted EBITDA, free cash flow (FCF), cash costs and AISC per ounce sold to manage and evaluate its operating performance at its mines. Cash costs, AISC per ounce sold, adjusted attributable net income, free cash flow, total cash, total debt and net cash (debt) are Non-GAAP Measures with no standardized definition under U.S. GAAP. See "Cautionary Note Regarding Non-GAAP Financial Measures" and "Non-GAAP Reconciliations" in this presentation for additional details. See also the Company's 10-Q, available on 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, for detailed definitions of these Non-GAAP measures.
5. Financial and operations amounts presented in this presentation may not re-calculate due to rounding.
6. 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 mid-point of annual guidance. 2020 guidance reflects the revised guidance issued September 18, 2020. Gold sales, silver sales and gold equivalent 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. Realized metal prices are a non-GAAP financial measure. Gold equivalent ounces sold may not re-calculate based on amounts presented due to rounding. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.
7. The 2019 convertible notes 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 54.7810 common shares per \$1,000 principal amount. On or after April 1, 2023 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 2021 sustainability report published April 14, 2022. 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. Based on the aggregate of the "street" consolidated consensus estimates for 2022 for SSR Mining sourced from Capital IQ research estimates as of July 29, 2022. Peer group estimates sourced from Capital IQ. Estimates are intended to provide an "order of magnitude" indication for illustrative and comparison purposes only, and are not intended to be, and should not be treated as, a forecast, estimate or guidance made, adopted, confirmed or endorsed by SSR Mining.
11. Peer group includes: Centerra, IAMGOLD, Centamin, Alamos Gold, B2Gold, Eldorado Gold, Yamana Gold, OceanaGold, Equinox Gold.
12. Share price data used in performance analysis, 2022 capital return evaluation and market capitalization calculation sourced from Capital IQ as of July 29, 2022. Share price data used in 2021 capital returns yield sourced from Capital IQ as of December 31, 2022.
13. 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 June 30, 2022. Analyst NAV's as of July 20, 2022. Realized proceeds from non-core asset sales include US\$100M for the sale of SSR Mining's non-core royalty portfolio on July 29th, 2021, US\$127M for the sale of the Pitarrilla project on January 13th, 2022, and approximately US\$18M in proceeds from the sale of non-core equity positions from April 1, 2021 to June 30, 2022.
14. Capital returns includes NCIB buy-back activity and SSR Mining's quarterly cash dividend details as of August 2, 2022. 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). Capital returns in 2021 calculation includes share buybacks pursuant to the 2021 NCIB totaling \$148M and four quarterly dividend payments totaling \$43M. Capital returns in 2022 calculation includes the Company's expected buyback, pursuant to the 2022 NCIB of approximately \$70M as of July 31, 2022 and expected annualized dividends of \$60M. 2021 NCIB program refers to the Normal Course Issuer Bid established April 21, 2021, which expired April 20, 2022. 2022 NCIB program refers to the Normal Course Issuer Bid established June 20, 2022, which expires June 19, 2023.

Non-GAAP Reconciliations

2022 Guidance Table



Operating Guidance (100% basis) ^(15,16)		Çöpler ⁽¹⁷⁾		Marigold		Seabee		Puna		Other		Consolidated	
		Prior ⁽⁵⁾	Updated	Prior ⁽⁵⁾	Updated	Prior ⁽⁵⁾	Updated	Prior ⁽⁵⁾	Updated	Prior ⁽⁵⁾	Updated	Prior ⁽⁵⁾	Updated
Gold Production	koz	255 - 285	220 - 250	215 - 245	215 - 245	115 - 125	150 - 160	—	—	—	—	585 - 655	585 - 655
Silver Production	Moz	—	—	—	—	—	—	8.0 - 9.0	8.0 - 9.0	—	—	8.0 - 9.0	8.0 - 9.0
Gold Equivalent Production	koz	255 - 285	220 - 250	215 - 245	215 - 245	115 - 125	150 - 160	115 - 125	115 - 125	—	—	700 - 780	700 - 780
Gold Sold	koz	NA	220 - 250	NA	215 - 245	NA	150 - 160	—	—	—	—	NA	585 - 655
Silver Sold	Moz	—	—	—	—	—	—	NA	8.0 - 9.0	—	—	NA	8.0 - 9.0
Production Costs (GAAP)	\$M	NA	220 - 250	NA	220 - 250	NA	65 - 75	NA	145 - 165	NA	—	NA	650 - 740
By-Product Credits & Tc / Rc	\$M	NA	(5)	NA	0	NA	0	NA	(30)	NA	—	NA	(35)
Cash Cost (non-GAAP)	\$M	NA	215 - 245	NA	220 - 250	NA	65 - 75	NA	115 - 135	NA	—	NA	615 - 705
Sustaining Capital Expenditures ⁽¹⁸⁾	\$M	43	43	57	57	43	43	16	16	—	—	159	159
Sustaining Exploration Expenditures	\$M	3	3	6	6	1	1	3	3	—	—	13	13
General & Administrative	\$M	—	—	—	—	—	—	—	—	55 - 65	55 - 65	55 - 65	55 - 65
All-In Sustaining Cost (non-GAAP) ⁽¹⁸⁾	\$M	NA	260 - 290	NA	285 - 315	NA	110 - 120	NA	135 - 150	NA	—	NA	842 - 942
Production Costs per Ounce (GAAP) ⁽¹⁶⁾	\$/oz	NA	1,000 - 1,050	NA	1,025 - 1,075	NA	435 - 485	NA	18.00 - 19.50	—	—	NA	940 - 1,000
Cash Cost per Ounce (non-GAAP) ⁽¹⁶⁾	\$/oz	735 - 785	975 - 1,025	960 - 1,010	1,025 - 1,075	525 - 575	435 - 485	12.00 - 13.50	14.00 - 15.50	—	—	790 - 850	880 - 940
All-In Sustaining Cost per Ounce (non-GAAP) ⁽¹⁶⁾	\$/oz	915 - 965	1,160 - 1,210	1,245 - 1,295	1,325 - 1,375	895 - 945	705 - 755	14.75 - 16.25	16.25 - 17.75	—	—	1,120 - 1,180	1,230 - 1,290
Growth Capital Expenditures	\$M	17	17	—	—	5	5	—	—	—	—	22	22
Growth Exploration and Resource Development Expenditures ⁽¹⁷⁾	\$M	17	17	18	18	14	14	—	—	5	5	54	54
Total Growth Capital	\$M	34	34	18	18	19	19	—	—	5	5	76	76

¹⁵⁾ Full year 2022 guidance presented in accordance with U.S. GAAP. Under U.S. GAAP, stripping costs that were previously capitalized are now included in cash costs. SSR Mining reports the non-GAAP financial measures of cash costs and AISC per payable ounce of gold and silver sold to manage and evaluate operating performance at Çöpler, Marigold, Seabee and Puna. See end notes and cautionary notes for a discussion on non-GAAP metrics.

¹⁶⁾ Gold equivalent production and costs are based on a gold to silver ratio of 72:1 in 2022. The Company does not include by-products in the gold equivalent ounce calculations. Gold equivalent ounces sold may not re-calculate based on amounts presented in this table due to rounding. Puna costs are stated per silver ounces unless otherwise noted.

¹⁷⁾ Figures are reported on a 100% basis. Çöpler is 80% owned by SSR Mining. Growth exploration and resource development expenditures are shown on a 100% basis, of which SSR Mining attributable amount totals \$[50]M.

¹⁸⁾ Excludes sustaining exploration and evaluation expenditures. Includes approximately \$11.0 million in lease payments at Çöpler. Includes mine development at Seabee.

¹⁹⁾ Prior guidance as of January 31, 2022 and Updated guidance as of August 2, 2022; Prior guidance was established before SSR Mining was subject to U.S. GAAP. Therefore, certain elements presented in the table above were not previously calculated on an individual basis

Non-GAAP Reconciliations

Adjusted Attributable Net Income per Share, Free Cash Flow



Adjusted Attributable Net Income per Share

(in thousands, except per share)	Three Months Ended June 30	
	2022	2021
Net income attributable to equity holders of SSR Mining (GAAP)	\$58,488	\$74,719
Interest saving on convertible notes, net of tax	\$1,230	\$1,259
Net income used in the calculation of diluted net income per share	\$59,718	\$75,978
Weighted-average shares used in the calculation of net income and adjusted net income per share		
Basic	212,600	219,030
Diluted	225,084	231,389
Net income per share attributable to common stockholders (GAAP)		
Basic	\$0.28	\$0.34
Diluted	\$0.27	\$0.33
Adjustments:		
Fair value adjustment on acquired assets ⁽²⁰⁾	\$0	\$24,254
COVID-19 related costs ⁽²¹⁾	\$0	\$2,603
Foreign exchange loss (gain)	\$4,869	\$930
Transaction, integration, and SEC conversion expense	\$0	\$894
Impairment of long-lived and other assets	\$0	\$22,345
Changes in fair value of marketable securities	\$2,876	\$1,362
Loss (gain) on sale of mineral properties, plant and equipment	\$757	(\$1,636)
Income tax impact related to above adjustments	(\$945)	(\$10,198)
Foreign exchange (gain) loss and inflationary impacts on tax balances	\$755	(\$12,558)
Impact of tax rate change on fair value adjustments	\$0	\$4,608
Adjusted net income attributable to equity holders of SSR Mining (Non-GAAP)	\$66,800	\$107,323
Adjusted net income per share attributable to SSR Mining shareholders (Non-GAAP)		
Basic	\$0.31	\$0.49
Diluted	\$0.30	\$0.47

⁽²⁰⁾ Fair value adjustments on acquired assets relate to the acquisition of Alacer's inventories and mineral properties.

⁽²¹⁾ COVID-19 related costs include direct, incremental costs associated with COVID-19 at all operations.

Free Cash Flow

(in thousands)	Three Months Ended June 30	
	2022	2021
Cash provided by operating activities (GAAP)	\$32,838	\$135,753
Expenditures on mineral properties, plant, and equipment	(\$41,838)	(\$37,536)
Free cash flow (non-GAAP)	(\$9,000)	\$98,217

Non-GAAP Reconciliations

Cash Costs, AISC, Net Cash



Cash Costs and AISC

(in thousands, unless otherwise noted)	Three Months Ended June 30						2021
	2022						
	Çöpler	Marigold	Seabee	Puna	Corporate	Total	
Production costs (GAAP)	\$63,095	\$50,422	\$19,015	\$32,396	\$0	\$164,928	\$166,946
By-product credits	(\$743)	(\$22)	(\$41)	(\$11,836)	\$0	(\$12,642)	(\$12,705)
Treatment and refining charges	\$0	\$142	\$117	\$3,433	\$0	\$3,692	\$4,297
Incremental COVID-19 related costs ⁽²²⁾	\$0	\$0	\$0	\$0	\$0	\$0	(\$2,603)
Fair value adjustment on acquired inventories	\$0	\$0	\$0	\$0	\$0	\$0	(\$15,975)
Cash costs (non-GAAP)	\$62,352	\$50,542	\$19,091	\$23,993	\$0	\$155,978	\$139,960
Sustaining capital expenditures	\$8,104	\$15,331	\$7,386	\$2,427	\$0	\$33,248	\$24,046
Sustaining exploration and evaluation expense	\$1,346	\$618	\$0	\$115	\$0	\$2,079	\$7,843
Reclamation cost accretion and amortization	(\$133)	\$557	\$209	\$432	\$0	\$1,065	\$1,945
General and administrative expense and stock-based compensation expense	\$800	\$1	\$8	\$15	\$18,644	\$19,468	\$15,208
Total AISC (non-GAAP)	\$72,469	\$67,049	\$26,694	\$26,982	\$18,644	\$211,838	\$189,002
Gold sold (oz)	57,846	45,983	42,500	—	—	146,329	173,572
Silver sold (oz)	—	—	—	1,771,455	—	1,771,455	1,914,030
Gold equivalent sold (oz) ^{(23)/(24)}	57,846	45,983	42,500	20,872	—	167,201	201,504
Production cost per gold equivalent ounce sold	\$1,091	\$1,097	\$447	\$1,552	N/A	\$986	\$828
Cash cost per gold ounce sold	\$1,078	\$1,099	\$449	N/A	N/A	N/A	N/A
Cash cost per silver ounce sold	N/A	N/A	N/A	\$13.54	N/A	N/A	N/A
Cash cost per gold equivalent ounce sold	\$1,078	\$1,099	\$449	\$1,150	N/A	\$933	\$695
AISC per gold ounce sold	\$1,253	\$1,458	\$628	N/A	N/A	N/A	N/A
AISC per silver ounce sold	N/A	N/A	N/A	\$15.23	N/A	N/A	N/A
AISC per gold equivalent ounce sold	\$1,253	\$1,458	\$628	\$1,293	N/A	\$1,267	\$938

⁽²²⁾ COVID-19 related costs include direct, incremental costs associated with COVID-19.

⁽²³⁾ 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.

⁽²⁴⁾ Gold equivalent ounces sold may not re-calculate based on amounts presented in this table due to rounding.

Net Cash

(in thousands)	As of	
	30-Jun-22	31-Dec-21
Cash and cash equivalents	\$938,599	\$1,017,562
Restricted cash	\$35,387	\$35,303
Total Cash	\$973,986	\$1,052,865
Short and Long Term Portion of Term Loan	\$105,000	\$140,000
Face Value of 2019 Convertible Note	\$230,000	\$230,000
Other Debt	\$924	\$1,450
Total Debt	\$335,924	\$371,450
Net Cash (Debt)	\$638,062	\$681,415



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SSRM:NASDAQ / TSX, SSR:ASX