

# A TRACK RECORD OF CREATING VALUE

January 2020



#### **Cautionary Notes**



#### **Cautionary Note Regarding Forward-Looking Statements**

This presentation contains forward-looking information within the meaning of Canadian securities laws and forward-looking statements within the meaning of the U.S. Private Securities Litigation Reform Act of 1995 (collectively, "forward-looking statements."). All statements, of historical fact, are forward-looking statements. Generally, forward-looking statements can be identified by the use of words or phrases such as "expects," "anticipates," "plans," "projects," "estimates," "assumes," "intends," "strategy," "goals," "objectives," "poture production of these terms or similar expressions. The forward-looking statements in this presentation relate to, among other things," stutential," or variations thereof, or these terms or similar expressions. The forward-looking statements in this presentation relate to, among other things, "solid per and other metals; the effects of laws, regulations and government policies affecting our operations; future successful development of our projects; the sufficiency of our current working capital, anticipated operating cash flow or our ability to raise necessary funds; estimated production rates for gold, silver and other metals produced by us; timing of production and the cash costs and total costs of production at the Marigold mine, the Seabee Gold Operation and Puna Operations; our ability to convert Inferred Mineral Resources to Indicated Mineral Resources and to convert Mineral Resources into Mineral Resources into Mineral Resources into Mineral Resources into Mineral Resources in mill throughput at the Marigold mine, the Seabee Gold Operation and Puna Operations; achieving production records in 2020 at each time in 2020; expected increase in mill throughput at the Seabee Gold Operation in 2020; expected capital, exploration and development expenditures; timing and focus of our exploration in early 2020 and the construction of an additional leach pad at the Marigold mine in 2020; expected capital, exploration and development plans and capital replacement, improvement or re

These forward-looking statements are subject to a variety of known and unknown risks, uncertainties and other factors that could cause actual events or results to differ from those expressed or implied, including, without limitation, the following: uncertainty of production, development plans and cost estimates for the Marigold mine; the Seabee Gold Operation, Puna Operations and our projects; our ability to replace Mineral Reserves; commodity price fluctuations; political or economic conditions; counterparty and market risks related to the sale of our concentrate and metals; uncertainty in acquiring additions; counterparty and market risks related to the sale of our concentrate and metals; uncertainty in acquiring additional commercially mineable mineral rights; delays in obtaining or failure to obtain governmental permits, or non-compliance with our permits; our ability to attract and retain qualified personnel and management; the impact of governmental permits, or non-compliance with our permits; our ability to attract and retain qualified personnel and management; the impact of governmental permits, or non-compliance with our permits; our ability to attract and retain qualified personnel and management; the impact of governmental permits, or non-compliance with our permits; our ability to attract and retain qualified personnel and management; the impact of governmental permits, or non-compliance with our permits; our ability to attract and retain qualified personnel and management; the impact of governmental permits, or non-compliance with auti-cated to the development and nazards related to the development projects and retain qualified personnel and management; the impact of governmental permits, or non-compliance with such regulations, including head nazards related to the development and nazards related to the development and nazards related to the development projects and retain the permi

This list is not exhaustive of the factors that may affect any of our forward-looking statements. Our forward-looking statements are based on what our management currently considers to be reasonable assumptions, beliefs, expectations and opinions based on the information currently available to use made regarding, among other things, our ability to carry on our exploration and development activities, our ability to meet our obligations under our property agreements, the timing and results of drilling programs, the discovery of Mineral Reserves on our mineral properties, the timely receipt of required approvals and permits, including those approvals and permits required for successful project permitting, construction and operation of our projects, the price of the minerals we produce, the costs of operating and exploration expenditures, our ability to operate in a safe, efficient and effective manner, our ability to obtain financing as and when required and on reasonable terms, our ability to continue operating the Marigold mine, the Seabee Gold Operation and Puna Operations, dilution and mining recovery assumptions regarding stockpiles, the success of mining, processing, exploration and development activities, maintaining good relations with the accuracy of geological, mining and metallurgical estimates, no significant unanticipated operational or technical difficulties, maintaining good relations with the accuracy of geological, mining and metallurgical estimates, no significant unanticipated operation and Puna Operations, no significant events or changes relating to regulatory, environmental, health and safety matters, certain tax matters and no significant and continuing adverse changes in general economic conditions in the financial markets (including commodity prices, foreign exchange rates and inflation rates). You are cautioned that the foregoing list is not exhaustive of all factors and assumptions which may have been used. We cannot assure you that actual events, performance or results will be consisten

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

#### **Qualified Persons**

Except as otherwise set out herein, the scientific and technical information contained in this presentation relating to each of the: Marigold mine has been reviewed and approved by Greg Gibson and James N. Carver, each of whom is a SME Registered Member, a qualified person under National Instrument 43-101 – Standards of Disclosure for Mineral Projects ("NI 43-101") and our employee; Seabee Gold Operation has been reviewed and approved by Cameron Chapman, P.Eng., and Jeffrey Kulas, P. Geo., each of whom is a qualified person under NI 43-101 and our employee; and Puna Operations has been reviewed and approved by Robert Gill, P.Eng., and F. Carl Edmunds, P. Geo., each of whom is a qualified person under NI 43-101 and our employee. The qualified persons have verified the information disclosed herein, including the sampling, preparation, security and analytical procedures underlying such information, and are not aware of any significant risks and uncertainties that could be expected to affect the reliability or confidence in the information discussed herein.

#### Cautionary Note to U.S. Investors

This includes Mineral Resources and Mineral Resources classification terms that comply with reporting standards in Canada and the Mineral Resources estimates are made in accordance with NI 43-101. 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. These standards differ significantly from the requirements of the SEC Set set out in SEC Industry Guide 7. Consequently, Mineral Resources by domestic U.S. reporting and disclosure requirements of the SEC Set Set out in SEC Industry Guide 7. Consequently, Mineral Resources as a "reserve" unless the determination has been made that the mineralization could be economically produced or extracted at the time the reserve determination is made. In addition, the SEC's disclosure standards normally do not permit the inclusion of information concerning "Measured Mineral Resources," "Indicated Mineral Resources" or "Inferred Mineral Resources" or other descriptions of the amount of mineralization in mineral deposits that do not constitute "reserves" by U.S. standards in documents filed with the SEC. U.S. investors should understand that "Inferred Mineral Resources" not heir existence and great uncertainty as to their exonomic and legal feasibility. Moreover, the requirements of NI 43-101 for identification of "reserves" under SEC standards. Accordingly, information concerning mineral deposits set forth herein may not be comparable with information made public by companies that report in accordance with U.S. standards.

#### Cautionary Note Regarding Non-GAAP Measures

This presentation includes certain terms or performance measures commonly used in the mining industry that are not defined under International Financial Reporting Standards ("IFRS"), including cash costs per payable ounce of gold and silver sold. Non-GAAP measures do not have any standardized meaning prescribed under IFRS and, therefore, they may not be comparable to similar measures employed by other companies. We believe that, in addition to conventional measures prepared in accordance with IFRS, certain investors use this information to evaluate our 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 IFRS. Readers should also refer to our management's discussion and analysis, available under our corporate profile at www.sedar.com or on our website atwww.semining.com, under the heading "Non-GAAP Financial Measures" for a more detailed discussion of how we calculate such measures.

#### Why SSR Mining?

#### A long-term track record of creating value



#### **Investor Challenges**

- Inconsistent operating performance
- × Declining reserves
- Declining production
- × Single asset risk
- Country risk
- × Poor corporate governance
- × Value destructive M&A
- × Lack of suitable investment vehicles
- × Dilution risk, inability to self-fund

#### **SSRM Investment Catalysts**

- ✓ Met guidance seven consecutive years
- ✓ Track record of reserve growth
- ✓ Organic production growth
- ✓ Diversified operating platform
- ✓ Favorable jurisdictions
- ✓ Peer-leading ISS governance rating
- ✓ Track record of growing NAV/share
- ✓ Dual listed, strong liquidity
- ✓ Consistent cash build to \$474M

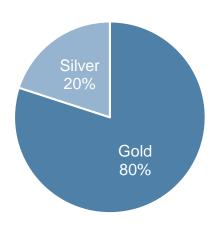
Note: Cash as at September 30, 2019.

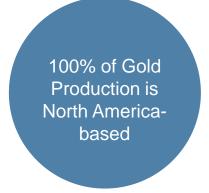
#### A Track Record of Creating Value



# 425,000 oz AuEq

2020 gold equivalent production guidance Achieved production guidance eight consecutive years





# \$2.2B market cap

Strong institutional shareholding with good daily trading liquidity \$474M of cash on hand

- Operating Mines
- Advanced Projects
- Equity Investment

Notes: Gold equivalent production is presented on 100% basis and is calculated with silver converted to gold equivalent at a 86:1 ratio. Market capitalization is as at January 15, 2020 and cash position is as at September 30, 2019. Please see "Cautionary Notes" in this presentation.

#### **SSR Mining Inc.**

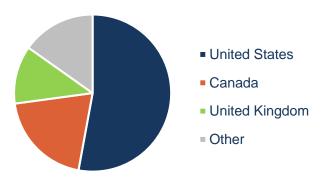


#### Share capital structure, convertible note and top shareholders overview

Top 10 Shareholders	% of Shares Outstanding
Van Eck Associates Corporation	12.2%
Renaissance Technologies	4.7%
Investec Asset Management	3.9%
Connor Clark & Lunn Investment Management	3.1%
The Vanguard Group Inc.	2.7%
Fidelity Management & Research Company	1.9%
Dimensional Fund Advisors, L.P.	1.9%
Global X Management Company, LLC	1.7%
Fiera Capital Corporation	1.6%
Morgan Stanley & Company, LLC	1.6%



#### Institutional Holdings by Country



Holding by Investor Class: 68% Institutional 32% Retail and Other

	\$ Million
Cash and Cash Equivalents	\$474
Marketable Securities	\$51
2013 Convertible Notes	\$115
2019 Convertible Notes	\$230
Credit Facility (\$75M, undrawn)	-
Market Capitalization	\$2,226
	•

Total Shares Outstanding: 123.1 million

Source: Capital IQ, Ipreo as at January 15, 2020.

Notes: Cash and cash equivalents, marketable securities, credit facility and total shares outstanding as at September 30, 2019. Market capitalization as at January 15, 2020. For further information regarding our 2013 Convertible Notes and our 2019 Convertible Notes, please refer to our news releases dated January 16, 2013 and March 19, 2019 and "Convertible Note Refinancing Provides Financial Flexibility" in this presentation.

## **ESG: First Decile Corporate Governance Rating**





INSTITUTIONAL SHAREHOLDER SERVICES	Market Data		ISS Data				
Company Name	Market Cap (\$B)	Quality Score	Board Structure	Compensation	Shareholder Rights	Audit & Risk Oversight	
SSR Mining Inc.	\$2.2	1	1	2	1	1	
Kirkland Lake Gold Ltd.	\$9.4	6	6	4	7	1	
Pan American Silver Corp.	\$4.8	4	8	3	1	1	
Detour Gold Corporation	\$3.5	4	8	3	1	1	
First Majestic Silver Corp.	\$2.3	4	4	9 10	1 1 1	1 1 2	
Alamos Gold Inc.	\$2.3	7	8				
Coeur Mining, Inc.	\$1.7	1	1	2			
Hecla Mining Company	\$1.6	5	4	8	6	1	
Torex Gold Resources Inc.	\$1.2	6	8	3	6	1	
OceanaGold Corporation	\$1.2	6	4	5	7	1	
Eldorado Gold Corporation	\$1.2	6	3	10	1	10	
New Gold Inc.	\$0.7	1	1	2	4	1	
Premier Gold Mines Limited	\$0.3	9	8	8 9	6	1	
Argonaut Gold Inc.	\$0.3	2	3	8	1	1	
Peer Average	\$2.3	5	5	6	3	2	

Source: Bloomberg as of September 25, 2019. Market Cap from Capital IQ as of January 15, 2020.

#### **ESG: Supporting our Communities and Local Economies**



Health and safety are our priority

We invest in our communities

We have strong environmental stewardship

Our people are important



**2.18** TRIFR

Marigold is the first mine in the world certified

under the International Cyanide Management Code



Seabee supported construction of community school youth camp

Marigold supports the University of Nevada, Reno

Puna supported six school renovations since 2012



Zero

Significant environmental incidents

Zero

Significant spills

Zero

Tailing dams constructed using the upstream method

Tailings safety disclosure provided



100%

of Chinchillas new hires from local communities

50%

of Puna employees from local communities

34%

of Seabee employees identify as Indigenous

22%

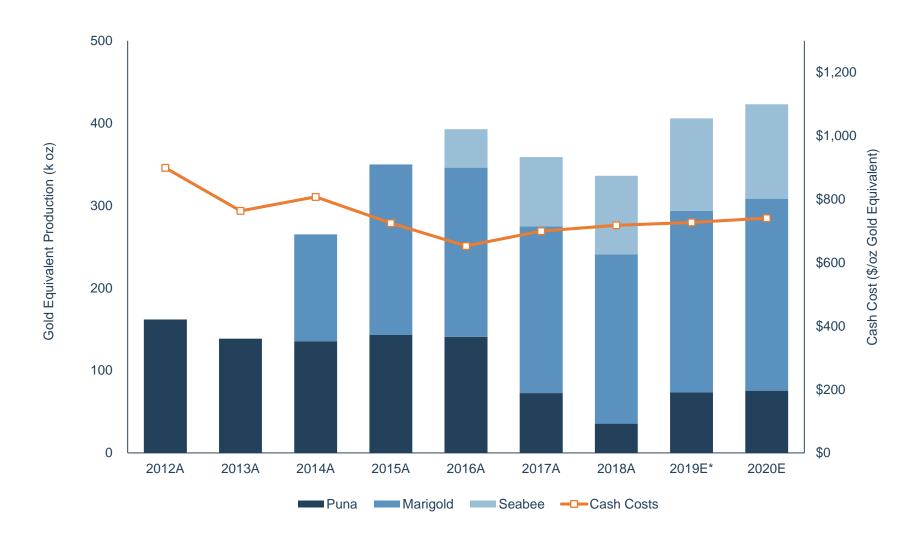
of Seabee employees from Northern Communities

Notes: All figures relate to the twelve-month period ended December 31, 2018. TRIFR is total recordable incident frequency rate. Please refer to our 2018 Sustainability Report and the "Corporate Responsibility" section of our website (www.ssrmining.com) for further information.

#### Track Record of Growth and Stable Costs





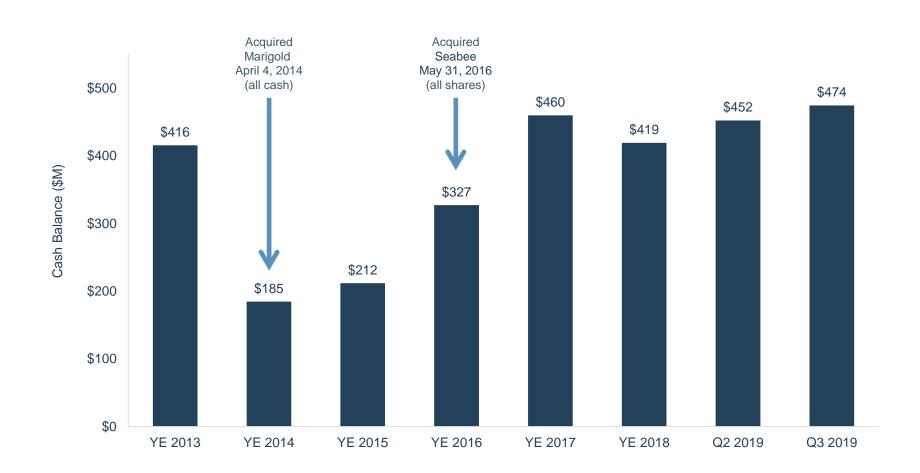


Notes: Gold equivalent production and cash costs are presented on a by-product attributable basis. 2019 production based on actual figures as reported in our news release dated January 15, 2020. 2019 cash costs reflect the mid-point of 2019 guidance as reported in our news release dated August 8, 2019. 2020 production and cash costs reflect the mid-point of 2020 guidance as reported in our news release dated January 15, 2020. Gold equivalent ounces have been established using the realized metal prices from 2012-2019 in the respective years, and a gold:silver ratio of 86:1 for 2020. Realized metal prices and cash costs are non-GAAP financial measures. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

#### Track Record of Long-Term Financial Discipline



Strong cash position provides strategic flexibility and opportunity



Note: "Cash Balance" is cash and cash equivalents as per our financial statements as at each respective date.

#### Track Record of Value Creation Through M+A







- Increased production to +200,000 oz/yr
- Extended mineral reserve and mine life
- Acquired 12,000 ha exploration properties



- Increasing throughput to 1,050 tpd
- Increased reserve tonnage to 2.0Mt
- Enhanced reserve grade of +9 g/t gold

Notes: "Announced Value" for Marigold refers to announced transaction value for Marigold, Valmy and Trenton Canyon, and for Seabee Gold Operation refers to share consideration for Claude Resources. "Estimated Value" reflects pre-tax free cash flow in the periods subsequent to the acquisition by SSRM as of September 30, 2019 plus analyst consensus Net Asset Value as of November 5, 2019. "FCF" is pre-tax free cash flow for Marigold and Seabee as calculated based on our MD&A disclosures since the respective acquisitions. "NAV" is analyst consensus Net Asset Value.

#### **Track Record of Growing Net Asset Value Per Share**



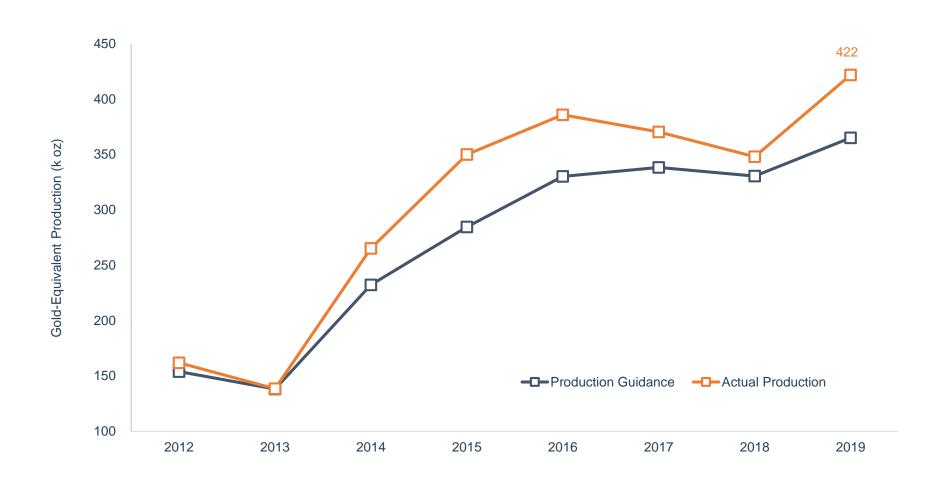


Notes: Peer index represents an equal weighted index, indexed to SSR Mining NAV per share beginning December 31, 2014 and ending January 15, 2020. Peer index includes Alamos Gold, Kirkland Lake, Coeur, Hecla, OceanaGold, Torex Gold, New Gold, B2 Gold, Detour Gold, Eldorado Gold, Pan American Silver and Fortuna. Source: Capital IQ.

#### 2019 Corporate Production was a Record

## Eighth consecutive year of achieving guidance





Notes: Gold equivalent production has been established using the realized silver price and the weighted average realized gold price at each of our operations in the respective years and applied to the recovered metal content of the gold and silver ounces produced, as applicable. Gold equivalent production calculated on a consolidated basis. Realized metal prices are non-GAAP financial measures. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

#### 2020 Production and Cash Cost Guidance



Record corporate gold-equivalent production expected in 2020

	Marigold	Seabee	Puna	SSR Mining
	Gold	Gold	Silver	Gold Equivalent
Production	225K – 240K oz	110K – 120K oz	6.0M – 7.0M oz	400K – 450K oz
Cash Costs (US\$/oz)	\$780/oz – \$810/oz	\$460/oz - \$500/oz	\$10.50/oz — \$12.00/oz	\$715/oz – \$765/oz
Capital Expenditures	\$60M	\$20M	\$21M	\$101M
Capitalized Stripping / Capitalized Development (\$M)	\$20M	\$12M	\$12M	\$44M
Exploration Expenditures (\$M)	\$12M	\$12M	\$1	\$25M

#### **Consolidated Guidance**

Mid-point of 425,000 oz AuEq at cash costs of \$740/oz

Notes: Puna Operations 2020 production guidance for lead and zinc is 21.0 to 24.0 million pounds and 7.0 to 9.0 million pounds, respectively, on a 100% consolidated basis. Please see our news release dated January 15, 2020. Gold equivalent production and cash costs are based on a 86:1 gold to silver ratio. Cash costs is a non- GAAP financial measure. See "Cautionary Note Regarding Non GAAP Measures" in this presentation.



#### Marigold: Large Scale, Low-Cost Producer



- Open pit, run-of-mine heap leach gold operation
- ~200,000 tonnes of material moved per day
- Strong safety and environmental practices
- Significant exploration upside
- 10-year Mineral Reserves life with potential to extend (subject to the current EIS process)
- 2020 production and cost guidance
  - Gold production of 225,000 to 240,000 oz
  - Cash costs of \$780/oz to \$810/oz gold
- 2019 gold production of 220,227 oz



Notes: Please see our news release dated January 15, 2020. Cash costs is a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

#### **Creating Value by Extending Mine Life**

#### Mineral Reserves replacement at \$30/oz gold

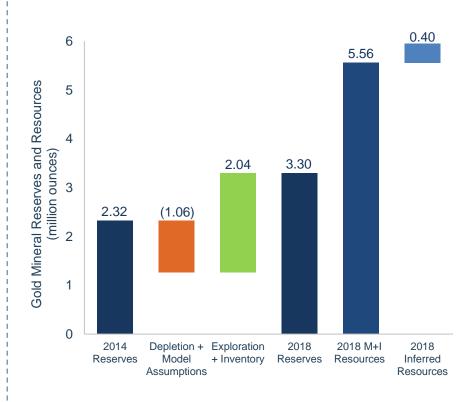


# Anticipated production growth and improving cash costs ...



Notes: 2019 production based on actual figures as reported in our news release dated January 15, 2020. 2019 cash costs reflect the mid-point of 2019 guidance as reported in our news release dated August 8, 2019. 2020 production and cash costs reflect the mid-point of 2020 guidance as reported in our news release dated January 15, 2020. Production and cash costs for each of the 2021-2022 periods are based on the Marigold Technical Report.

# ... with reserve replacement at an increased gold grade of 0.47g/t

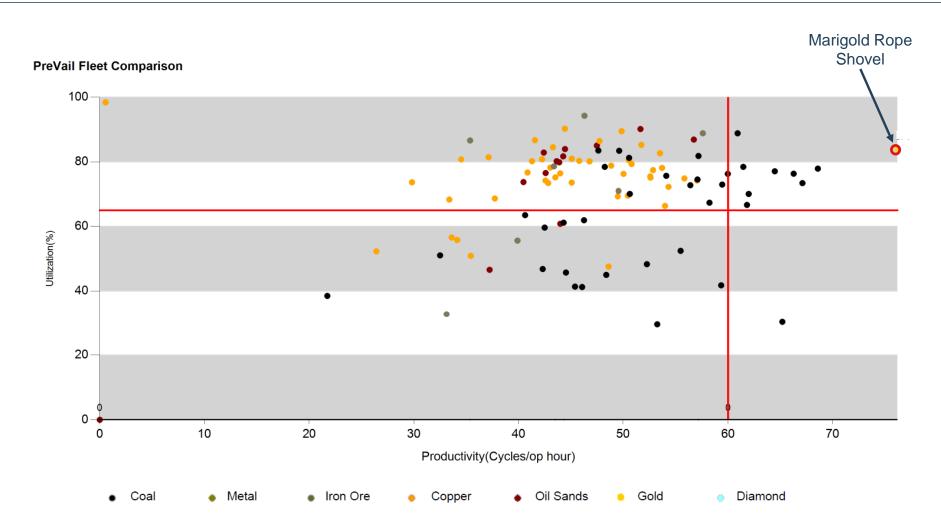


Notes: Mineral Reserves are based on \$1,250/oz gold price assumption. Proven and Probable Mineral Reserves have a gold grade of 0.47 g/t. Measured and Indicated gold Mineral Resources are inclusive of Mineral Resources. Mineral Resources are based on \$1,400/oz gold price assumption. Measured and Indicated Mineral Resources have a gold grade of 0.47 g/t. Inferred Mineral Resources have a gold grade of 0.37 g/t. Please refer to "Cautionary Notes" and "Reserves and Resources: Notes to Table" in this presentation.

## **Leader in Productivity and Utilization**

#### Marigold rope shovel





Notes: Marigold 4100 XPC-AC Rope Shovel compared to information provided by Joy Global benchmark study for the period December 1, 2019 to January 1, 2020, with respect to rope shovel operating practices at certain precious, base metal and diamond mines.

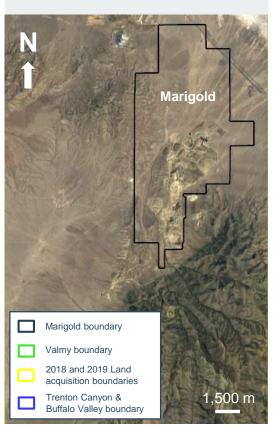
#### Marigold: Strategic Acquisitions and Resources Growth

#### Increased original Marigold land package by 2.5X



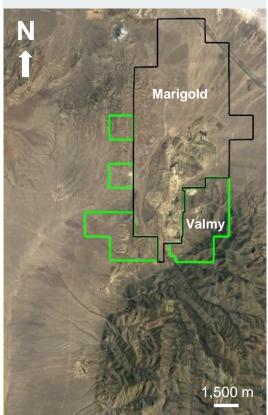
#### 2014

- 4.2 Moz Au M+I Mineral Resources at YE 2014
- Acquired mine April 4, 2014
- 7,915 hectares



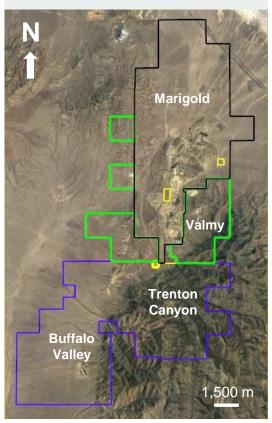
#### 2015

- 4.6 Moz Au M+I Mineral Resources at YE 2015
- Added 300,000 oz Au of Inferred Mineral Resources at Valmy
- 10,759 hectares



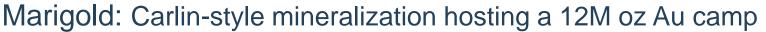
#### 2019

- 5.6 Moz Au M+I Mineral Resources YE 2018
- Mineral Resources growth potential at several targets
- 19,789 hectares

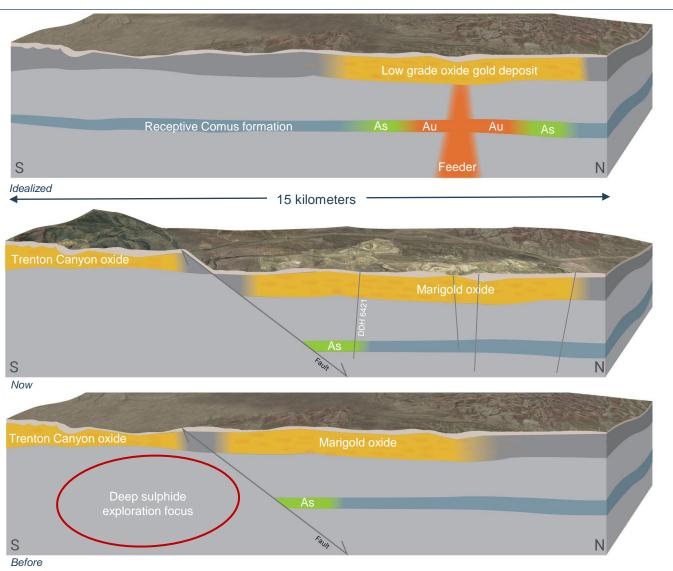


Notes: Measured and Indicated gold Mineral Resources are inclusive of Mineral Resources are based on gold price assumptions of \$1,500/oz (2014), \$1,400/oz (2015) and \$1,400/oz (2018). Measured and Indicated Mineral Resources have a gold grade of 0.51 g/t (2014), 0.46 g/t (2015) and 0.47 g/t (2018). For further details, please see our news releases dated February 4, 2014, August 11, 2015 and July 22, 2019.

#### **New Deep Sulphide Target for Drill Testing**







- Disseminated sedimentaryhosted oxide gold deposit with possible high grade feeder formed
- Deep, high grade, Carlin-style deposits in Nevada with Mineral Reserves including:
  - Goldstrike: 2.9Moz at 9.98 g/t Au
  - Cortez: 3.9Moz at 10.63 g/t Au
  - Turquoise Ridge: 9.1Moz at 12.97 g/t Au
- Zoned mineralization with gold and arsenic occurring with carbonate layers (e.g. Comus formation)
- DDH 6421 intercepted 43m grading 0.39 g/t Au and 265 ppm As
- Drill testing for high grade feeder based on new interpretation from DDH 6421 results

Note: Please see our news release dated August 9, 2017 for a discussion of our drilling results. Underground Mineral Reserves estimate for each of the Goldstrike mine and the Cortez mine as reported by Barrick Gold Corporation ("Barrick") as at December 31, 2018 in its technical report for each mine dated March 22, 2019. Underground Mineral Reserves estimate for the Turquoise Ridge mine as reported by Barrick as at December 31, 2018 in its annual information form dated March 22, 2019. All documents are available at www.sedar.com under Barrick's profile and at www.barrick.com.

## **Marigold: Opportunities**



- Continue to deliver production growth and robust operating margins
- Red Dot delivered mine life extension to early 2030s without expansion capex
- Exploration success continues ...
  - Potential for mine life extension via Mackay, Valmy, Basalt and Red Dot expected Q1 2020
  - Trenton Canyon Mineral Resources estimate expected Q1 2020
  - Deep sulphide exploration in 2020



Note: Please see our news release dated July 30, 2019 for further information.



#### Seabee: Overview





- High-grade, underground mine in Saskatchewan, Canada
  - Strong safety and environmental practices
  - Large underexplored land position of +57,000 ha
  - Track-record of Mineral Resources conversion and growth
- 2020 production and cost guidance
  - Gold production of 110,000 to 120,000 oz
  - Cash costs of \$460/oz to \$500/oz gold
- 2019 gold production of 112,137 oz

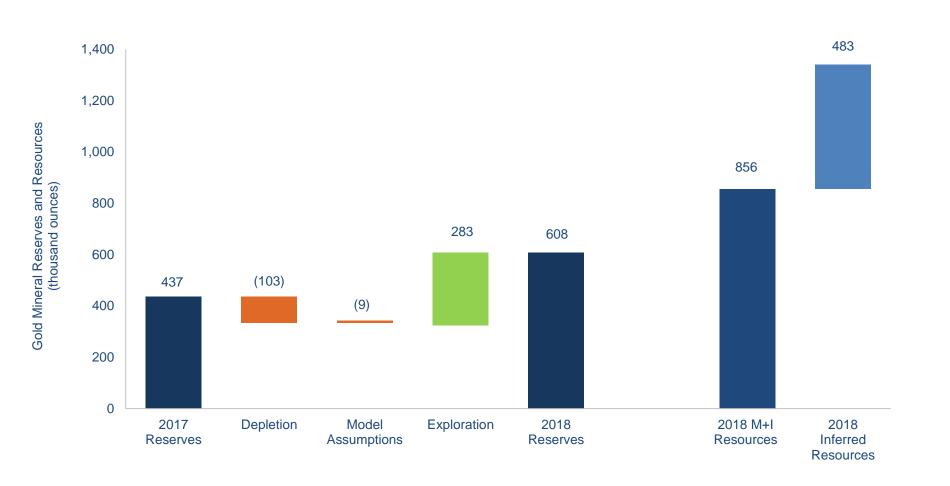


Notes: Please see our news release dated January 15, 2020. Cash costs is a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

#### Seabee Mineral Reserves and Resources Increased Y-o-Y





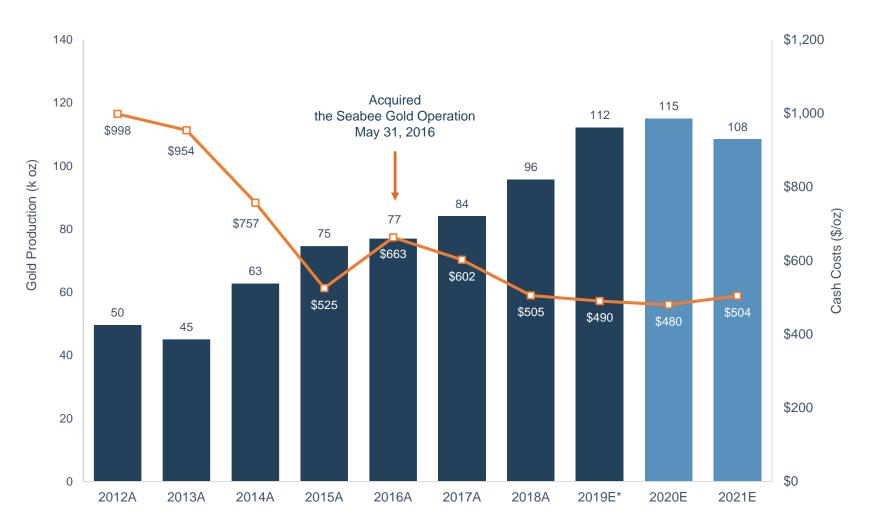


Notes: Mineral Reserves are based on \$1,250/oz gold price assumption. Proven and Probable Mineral Reserves have a gold grade of 9.2 g/t. Measured and Indicated Mineral Resources are inclusive of Mineral Reserves. Mineral Resources are based on \$1,400/oz gold price assumption. Measured and Indicated Mineral Resources have a gold grade of 11.6 g/t. Inferred Mineral Resources have a grade of 8.8 g/t. Please refer to "Cautionary Notes" and "Reserves and Resources: Notes to Table" in this presentation.

#### Fourth Consecutive Annual Production Record in 2019

## Low cash costs of below \$500/oz gold



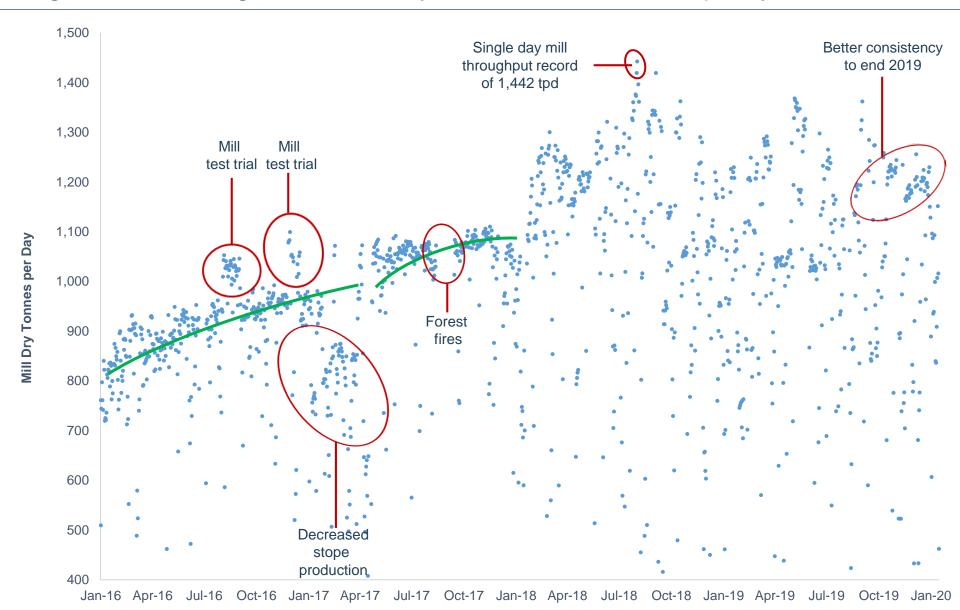


Notes: 2019 production based on actual figures as reported in our news release dated January 15, 2020. 2019 cash costs reflect the mid-point of 2019 guidance as reported in our news release dated August 8, 2019. 2020 production and cash costs reflect the mid-point of 2020 guidance as reported in our news release dated January 15, 2020. Production and cash costs for the 2021 period is based on the PEA contained within the Seabee Gold Operation Technical Report. The PEA set forth in the Seabee Gold Operation Technical Report is preliminary in nature and includes Inferred Mineral Resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as Mineral Reserves, and there is no certainty that the production and cash costs from the Seabee Gold Operation Technical Report will be realized. Cash costs is a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

#### **Operational Excellence Driving Seabee Mill Improvements**



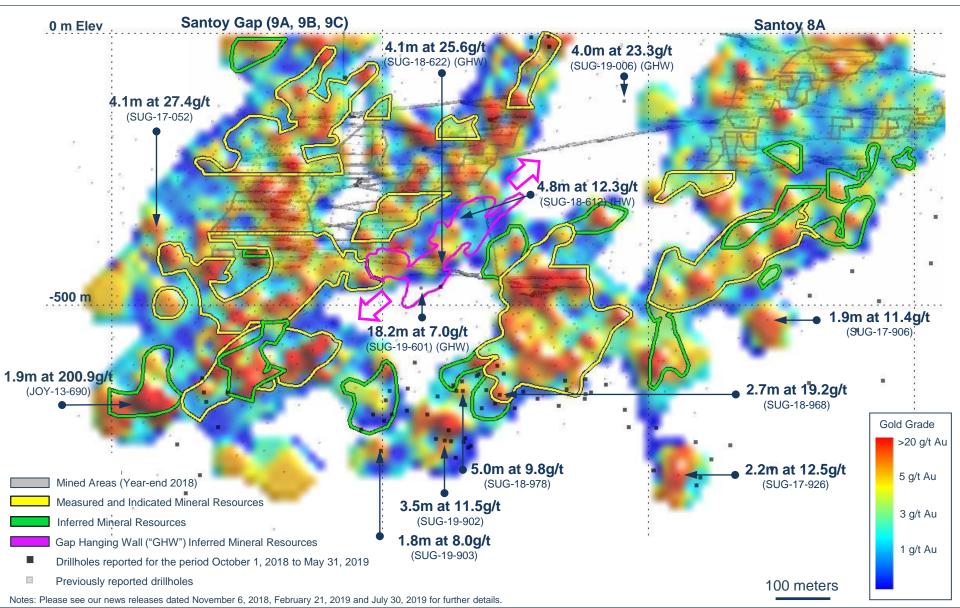
Higher 2019 milling rates driven by increased UG mine capacity



#### **Seabee: Exploration Extends Reserves Near Infrastructure**



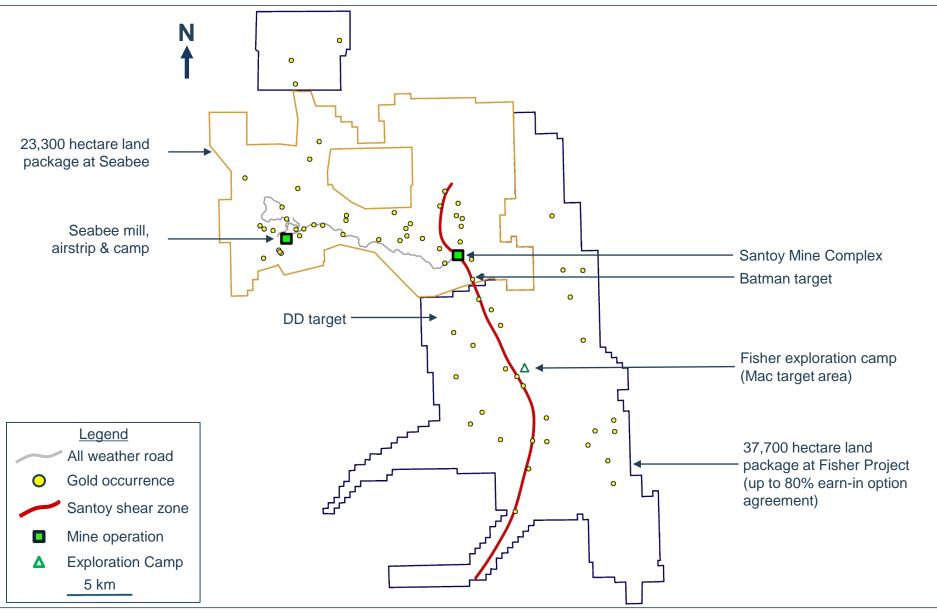
Track record of resource conversion and discovery



#### Large, Contiguous Land Package

Testing +30km of shear zone strike length





SSRM:NASDAQ/TSX

#### **Seabee: Opportunities**



- Deliver on PEA expansion case to 1,050 tpd
- Drive Operational Excellence initiatives
- Evaluate 1,200 tpd sustained mill throughput
- 2020 exploration budget of \$12M
  - Santoy Gap Hanging Wall
  - Santoy 8A
  - Fisher property
- Focused on Mineral Resources conversion and discovery

Notes: The PEA set forth in the Seabee Gold Operation Technical Report is preliminary in nature and includes Inferred Mineral Resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as Mineral Reserves, and there is no certainty that the production, cash costs and mining rate from the Seabee Gold Operation Technical Report will be realized.





#### **Puna Operations**





- Puna Operations includes
  - the Chinchillas silver-lead-zinc deposit
  - the Pirquitas plant and facilities, located 45 km away
- Declared commercial production December 1, 2018
- Pirquitas plant capacity 5,000 tpd, with an operating life through +2025
- Consolidated 100% ownership in Puna Operations September 2019
- 2019 silver production of 7.7M oz



Notes: Please see our news release dated January 15, 2020. Cash costs is a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

#### **Puna: Focus on Optimizing Cost Structure**

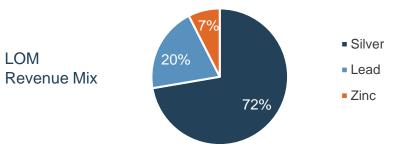


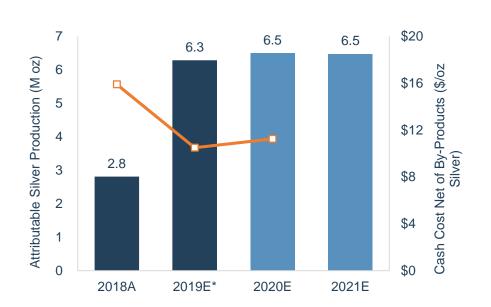


#### 2020 Guidance

- Production:
  - Silver: 6.0M to 7.0M oz
  - Lead: 21.0M to 24.0M lbs
  - Zinc: 7.0M to 9.0M lbs
- Cash costs:
  - \$10.50/oz to \$12.00/oz silver

## Medium Term Outlook





Notes: In the section entitled "2020 Guidance", cash costs are presented on a net of by-product basis. In the section entitled "Medium Term Outlook", 2018 and 2019 actual production is presented on an attributable basis; cash costs for 2019 reflect the mid-point of our 2019 guidance; 2020 production and cash costs reflect the mid-point of 2020 guidance as reported in our news release dated January 15, 2020; production for 2021 is based on the Chinchillas Technical Report. Cash costs is a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

## Pitarrilla Project: Potential for Expanding High Grade Zones



- Large undeveloped silver-lead-zinc project in Durango, Mexico
- Exploration program to expand high grade zones
  - \$4M spend in 2020 to extend an existing underground decline
- M+I Mineral Resources:
  - Underground: 5.43MT grading 165 g/t silver, 0.68% lead and 1.34% zinc (28.8M oz contained silver)
  - Open pit: 159MT grading 97 g/t silver,
     0.35% lead and 0.89% zinc
     (496.5M oz contained silver)



Notes: Please see our news releases dated July 30, 2019 and January 15, 2020. Refer to "Cautionary Notes", "Mineral Resources: Measured and Indicated" and "Reserves and Resources: Notes to Tables" in this presentation.

## Advancing the Las Chispas High-Grade Ag-Au Deposit





- Las Chispas May 2019 PEA results
  - 1,250 tpd UG operation with +8 year mine life
  - 127K oz AuEq per year with \$564/oz AuEq AISC



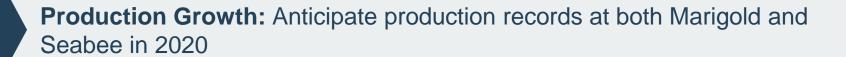
- Indicated Mineral Resource of 1.0MT grading 6.98 g/t Au and 711 g/t Ag
- Inferred Mineral Resource of 3.6MT grading 3.32 g/t Au and 333 g/t Ag
- Management team with a track-record of discovery and development
- Update Mineral Resource estimate (Q1 2020) and feasibility study (H1 2020)
- SSR Mining controls 9.0M SIL shares (~8.2% interest)
  - SSR Mining cost base of C\$3.91 per SIL share (share price: C\$8.69 as at January 15, 2020)

Notes: 2019 PEA results are reported by SilverCrest Metals Inc. ("SIL") in its news release dated May 15, 2019 and available on its website at www.silvercrestmetals.com. The PEA is preliminary in nature and includes Inferred Mineral Resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as Mineral Reserves, and there is no certainty that the PEA will be realized. Mineral Resources estimate as reported by SIL in its news release dated May 14, 2019 and technical report entitled, "Technical Report and Updated Mineral Resource Estimate for the Las Chispas Property, Sonora, Mexico", with an effective date of February 8, 2019 (the "Technical Report"), available on SEDAR at www.sedar.com under SIL's profile and on the SIL website. Mineral Resources were prepared by SIL in accordance with NI 43-101 under the supervision of a qualified person. As discussed in the Technical Report, AgEq based on 75 (Ag):1 (Au), calculated using long-term silver and gold prices of \$17.00 per ounce silver and \$1,225 per ounce gold with average metallurgical recoveries of 90% silver and 95% gold. Mineral Resources that are not Mineral Resources do not have demonstrated economic viability. Inferred Mineral Resources have a great amount of uncertainty as to their existence and as to whether they can be mined legally or economically. There is no assurance that all or part of the Inferred Mineral Resources can be upgraded to a higher category. Please see "Cautionary Notes" in this presentation.

#### **SSR Mining: Investment Highlights**



Delivering value and growth for our shareholders



**Management Discipline:** First decile governance rating and a track record of disciplined M+A, capital allocation and ESG performance

**Financial Strength:** Strong liquidity position with \$474M of cash and improving operating margins

**Marigold Performs:** Strong production outlook, Trenton Canyon optionality, and new exploration targets

**Seabee Opportunities:** Ramping up to 1,050 tpd with prospective exploration at Santoy Gap and the nearby Fisher project

Puna Targets Steady-State: Focus on steady-state operation

Notes: Cash as at September 30, 2019. Cash costs is a non GAAP financial measures. Please see "Cautionary Note Regarding Non GAAP Measures" in this presentation.



# Value & Growth



SSRM:NASDAQ/TSX

#### **Selected Financial Results**



	Units	YTD 2019	2018	2017
Gold Sales	OZ	246,422	290,294	286,279
Silver Sales	Moz	5.1	3.8	6.0
Total Gold Equivalent Payable Sales	OZ	300,587	334,635	364,428
Gold Equivalent Production	OZ	315,622	347,090	370,486
Revenue	\$M	\$429.2	\$420.7	\$448.8
Income from Mine Operations	\$M	\$112.0	\$76.8	\$113.3
Net (Loss) Income	\$M	\$36.3	\$(0.0)	\$71.5
Attributable Net Income	\$M	\$37.8	\$6.4	\$69.3
Basic Attributable Earnings per share	\$	\$0.31	\$0.05	\$0.58
Adjusted Attributable Net Income	\$M	\$62.4	\$28.0	\$40.1
Adjusted Basic Attributable Income per share	\$	\$0.51	\$0.23	\$0.34
Cash Generated by Operating Activities	\$M	\$85.6	\$59.8	\$144.7
Cash and Cash Equivalents	\$M	\$474.5	\$419.2	\$459.9

Notes: YTD 2019 figures are for the nine month period ending September 30, 2019. Silver sales and gold equivalent sales are on a 100% basis. Gold equivalent sales are based on total gold and silver sales and the realized silver and gold prices for each corresponding period. Realized metal prices, adjusted attributable net income and adjusted basic attributable earnings per share are non-GAAP financial measures. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

# **Tailings Dam Disclosure**

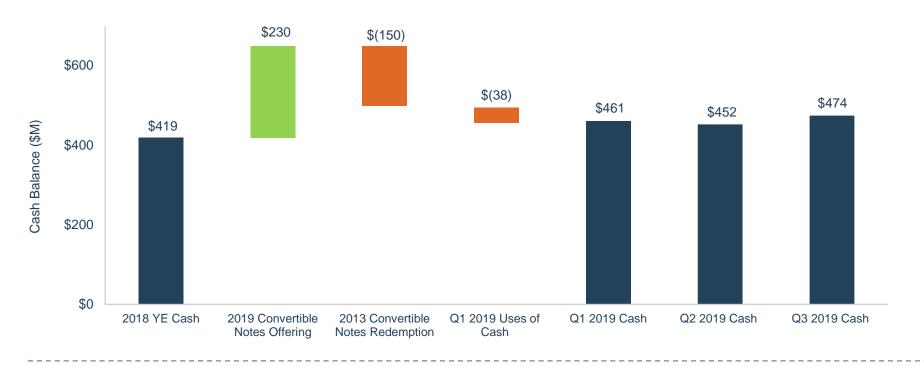


	Sea	bee	Marigold	Puna
	Triangle Lake TSF	East Lake TSF	Marigold Mine TSF	Pirquitas Tailings Dam
Status	Active	Active	Inactive	Inactive (water storage only)
Date of Initial Operation	2004	1991	1989 (closed as of 1999)	2009 (ceased use as of May 2019)
Raising Method	Modified Centerline	Concrete dams are centerline	Centerline	Downstream
Current Maximum Height	19 meters	8 meters	22 meters	30 meters
Current Storage Impoundment Volume	2.75 Mm <sup>3</sup>	2.55 Mm3	Area reclaimed and revegetated	8.8 Mm3
Planned Tailings Storage Impoundment Volume in 5 Years	4.00 Mm <sup>3</sup>	2.86 Mm3	Facility permanently closed	Facility inactive
Most Recent Independent Expert Review	January 2019	January 2019	July 2007	September 2018
Hazard Categorization based on Consequence of Failure	High	Significant	Low	High
Guideline for Classification System	Canadian Dam Association Consequence Classification Ratings for Dams			
Constructed using Upstream Method?	No	No	No	No
Formal Analysis of Downstream Impact on Environment?	Yes (in 2019)	Yes (in 2019)	Yes (in 2019)	Yes (in 2016)

### **Convertible Note Refinancing Provides Financial Flexibility**



Lower coupon, lower leverage ratios and strong cash balance



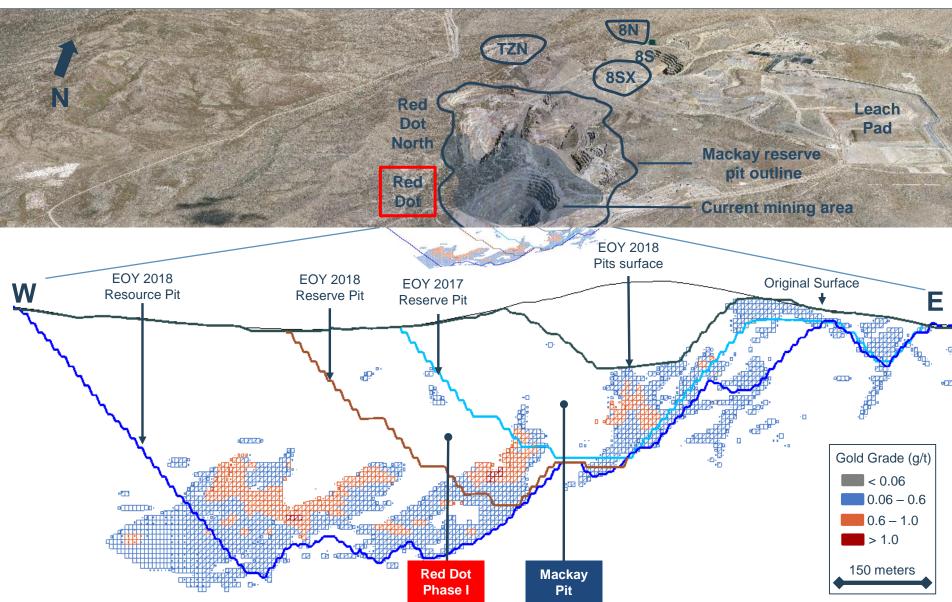
	2019 Convertible Notes	2013 Convertible Notes
Initial Principal	\$230M	\$265M
Outstanding Principal	\$230M	\$115M
Coupon (paid semi-annually)	2.50%	2.875%
Initial Conversion Price	\$18.48	\$20.00
Maturity	April 1, 2039	February 1, 2033
Effective Maturity	April 1, 2026	February 1, 2020

Notes: Please refer to our news releases dated February 21, 2019, March 19, 2019, May 9, 2019 and January 16, 2013 for further information regarding our 2019 Convertible Notes and our 2013 Convertible Notes.

# Marigold: Exploration Success and Resource Conversion



Red Dot Phase I added Mineral Reserves of 350,000oz of gold



# Chinchillas Mine: Data Sheet (100% Basis)





Mine life:	8 years
Total material mined:	66.6 M tonnes
Strip ratio:	4.7
Processing rate:	4,000 tpd
Average annual production (8 years active mining):	6.1 Moz Silver 35.0 Mlb Lead 12.3 Mlb Zinc 8.4 Moz Silver Eq
Total production:	51.0 Moz Silver 71.0 Moz Silver Eq
Operating costs:	\$2.88 / t mined, mining costs \$15.34 / t milled, mining costs \$14.72 / t milled, processing costs \$7.00 / t milled, G&A costs \$8.29 / t milled, ore transport & other
Cash costs:	\$7.40 / oz Silver (net of by-products)
AISC:	\$9.75 / oz Silver (net of by-products)
Development capital:	\$81 M
Sustaining capital:	\$44 M
NPV:	\$178 M (post-tax, 5%)
IRR:	29% (post-tax)



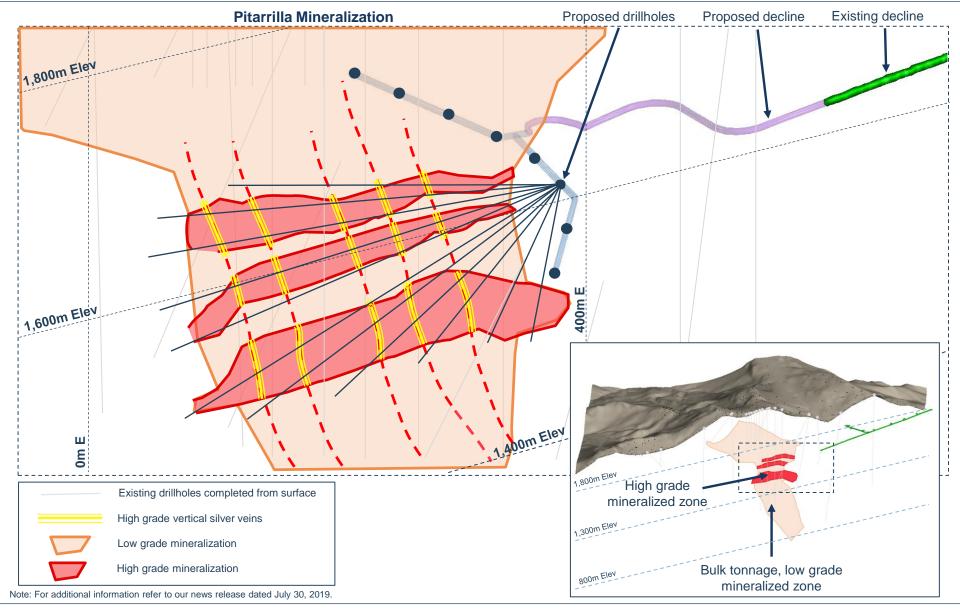


Notes: All data is as reported in the Chinchillas Technical Report available under our profile on the SEDAR website at www.sedar.com or on our website at www.ssrmining.com. Cash costs are net of estimated capitalized stripping over the life of mine. Metal price assumptions include \$19.50/oz silver, \$0.95/lb lead and \$1.00/lb zinc. Silver equivalent values are based on these metal price assumptions. Cash costs and AISC are non-GAAP measures. Please refer to "Cautionary Notes" in this presentation.

#### Pitarrilla Underground Silver-Lead-Zinc Project







# **Mineral Reserves**

(as of December 31, 2018)



	Location	Tonnes millions	Silver g/t	Gold g/t	Lead %	Zinc %	SSRM % Interest	SSRM Interest Silver million oz	SSRM Interest Gold million oz
Proven Mineral Reserves									
Seabee	Canada	0.33		9.00			100		0.09
Chinchillas	Argentina	0.94	196		0.67	0.33	75	4.5	
Total								4.5	0.09
Probable Mineral Reserves				-		-			
Marigold	U.S.	201.50		0.47			100		3.06
Marigold Leach Pad Inventory	U.S.						100		0.24
Seabee	Canada	1.73		9.24			100		0.51
Chinchillas	Argentina	7.91	161		1.35	0.47	75	30.7	
Chinchillas Stockpiles	Argentina	0.60	157		0.96	0.68	75	2.3	
Pirquitas Stockpiles	Argentina	0.87	64			1.43	75	1.3	
Total								34.3	3.81
Total Proven and Probable Mine	ral Reserves	5			•				
Marigold	U.S.	201.50		0.47			100		3.06
Marigold Leach Pad Inventory	U.S.						100		0.24
Seabee	Canada	2.05		9.20			100		0.61
Chinchillas	Argentina	8.85	165		1.28	0.46	75	35.1	
Chinchillas Stockpiles	Argentina	0.60	157		0.96	0.68	75	2.3	
Pirquitas Stockpiles	Argentina	0.87	64			1.43	75	1.3	
Total Proven and Probable								38.7	3.91

#### Mineral Resources: Measured and Indicated

(as of December 31, 2018)



	Location	Tonnes millions	Silver g/t	Gold g/t	Lead %	Zinc %	SSRM %	SSRM Interest Silver	SSRM Interest Gold million oz
Measured Mineral Resources (Inc	aluaiva of De	oven Mineral	December 1				Interest	million oz	million oz
Seabee	Canada		Reserves)	14.70	<u> </u>		100	1	0.47
Chinchillas		0.45	100	11.76	0.50	0.00	100		0.17
Pitarrilla	Argentina	2.11	130		0.52	0.39	75	6.6	
	Mexico	12.35	90		0.70	1.22	100	35.7	0.47
Total			<u> </u>					42.4	0.17
Indicated Mineral Resources (Ind			al Reserves)				1		
Marigold	U.S.	354.50		0.47			100		5.32
Marigold Leach Pad Inventory	U.S.						100		0.24
Seabee	Canada	1.85		11.56			100		0.69
Chinchillas	Argentina	26.01	100		0.94	0.62	75	62.5	
Pirquitas UG	Argentina	2.63	292			4.46	75	18.6	
Pirquitas Stockpiles	Argentina	0.87	64			1.43	75	1.3	
Pitarrilla	Mexico	147.02	97		0.32	0.87	100	460.7	
Pitarrilla UG	Mexico	5.43	165		0.68	1.34	100	28.8	
San Luis	Peru	0.48	578	22.40			100	9.0	0.35
Amisk	Canada	30.15	6	0.85			100	6.0	0.83
Total								586.9	7.42
Measured and Indicated Mineral	Resources (I	nclusive of N	lineral Reser	ves)	•		•		
Marigold	U.S.	354.50		0.47			100		5.32
Marigold Leach Pad Inventory	U.S.						100		0.24
Seabee	Canada	2.29		11.60			100		0.86
Chinchillas	Argentina	28.13	102		0.91	0.60	75	69.1	
Pirquitas UG	Argentina	2.63	292			4.46	75	18.6	
Pirquitas Stockpiles	Argentina	0.87	64			1.43	75	1.3	
Pitarrilla	Mexico	159.36	97		0.35	0.89	100	496.5	
Pitarrilla UG	Mexico	5.43	165		0.68	1.34	100	28.8	
San Luis	Peru	0.48	578	22.40			100	9.0	0.35
Amisk	Canada	30.15	6	0.85			100	6.0	0.83
Total Measured and Indicated								629.3	7.59

#### **Mineral Resources: Inferred**

(as of December 31, 2018)



	Location	Tonnes millions	Silver g/t	Gold g/t	Lead %	Zinc %	SSRM % Interest	SSRM Interest Silver million oz	SSRM Interest Gold million oz
Inferred Mineral Reso	ources								
Marigold	U.S.	33.60		0.37			100		0.40
Seabee	Canada	1.70		8.82			100		0.48
Chinchillas	Argentina	21.29	50		0.54	0.81	75	25.7	
Pirquitas UG	Argentina	1.08	207			7.45	75	5.4	
Pitarrilla	Mexico	8.52	77		0.18	0.58	100	21.2	
Pitarrilla UG	Mexico	1.23	138		0.89	1.25	100	5.5	
San Luis	Peru	0.02	270	5.60			100	0.2	0.00
Amisk	Canada	28.65	4	0.64			100	3.7	0.59
Total Inferred								61.6	1.48

#### **Reserves and Resources**

#### Notes to Tables



All estimates set forth in the Mineral Reserves and Mineral Resources table have been prepared in accordance with NI 43-101. The estimates of Mineral Reserves and Mineral Resources for each property other than the Marigold mine, the Seabee Gold Operation and the Amisk project have been reviewed and approved by Bruce Butcher, P.Eng., our former Director, Mine Planning, and F. Carl Edmunds, P.Geo., our Vice President, Exploration, each of whom is a qualified person.

Mineral Resources are reported inclusive of Mineral Reserves. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability. Due to the uncertainty that may be attached to Inferred Mineral Resources, it cannot be assumed that all or any part of an Inferred Mineral Resource will be upgraded to an Indicated or Measured Mineral Resource as a result of continued exploration. Mineral Reserves and Mineral Resources estimates of silver ounces for Puna Operations, comprised of Chinchillas and Pirquitas are reported on a 75% attributable basis. Mineral Reserves and Mineral Resources figures have some rounding applied, and thus totals may not sum exactly. All ounces reported herein represent troy ounces, and "g/t" represents grams per tonne. All \$ references are in U.S. dollars. All Mineral Reserves and Mineral Resources estimates are as at December 31, 2018. Metal prices utilized for Mineral Reserves estimates are \$1,250 per ounce of gold, \$18.00 per ounce of silver, \$0.90 per pound of lead and \$1.00 per pound of lead and \$1.30 per pound of zinc, except as noted below for each of the Chinchillas project, the San Luis project and the Amisk project. All technical reports for the properties are available under our profile on the SEDAR website at www.sedar.com or on our website at www.sermining.com.

Marigold Mine: Except for updates to cost parameters, all other key assumptions, parameters and methods used to estimate Mineral Reserves and Mineral Resources and the data verification procedures followed are set out in the technical report entitled "NI43-101 Technical Report on the Marigold Mine, Humboldt County, Nevada" dated July 31, 2018 (the "Marigold Technical Report"). For additional information about the Marigold mine, readers are encouraged to review the Marigold Technical Report. Mineral Reserves estimate was prepared under the supervision of James Frost, P.E., a qualified person and our former Technical Services Superintendent at the Marigold mine, and is reported at a cut-off grade of 0.065g/t payable gold. Mineral Resources estimate was prepared under the supervision of James N. Carver, SME Registered Member, our Chief Geologist at the Marigold mine, and Karthik Rathnam, MAusIMM (CP), our Resource Manager, Corporate, each of whom is a qualified person. Mineral Resources estimate is reported based on an optimized pit shell at a cut-off grade of 0.065g/t payable gold, and includes an estimate of Mineral Resources for mineralized stockpiles using Inverse Distance cubed.

Seabee Gold Operation: Except for updates to cost parameters, mill recovery and dilution to include recent operating results, and resource modeling techniques based on recommendations set forth in the technical report entitled "NI 43-101 Technical Report for the Seabee Gold Operation, Saskatchewan, Canada" dated October 20, 2017 (the "Seabee Gold Operation Technical Report"), all other key assumptions, parameters and methods used to estimate Mineral Reserves and Mineral Resources and the data verification procedures followed are set out in the Seabee Gold Operation Technical Report. For additional information about the Seabee Gold Operation, readers are encouraged to review the Seabee Gold Operation Technical Report. Mineral Reserves estimate was prepared under the supervision of Kevin Fitzpatrick, P.Eng., a qualified person and our Engineering Supervisor at the Seabee Gold Operation. Mineral Reserves estimate for the Santoy mine is reported at a cut-off grade of 3.31 g/t gold. Mineral Resources estimate was prepared under the supervision of Jeffrey Kulas, P.Geo., a qualified person and our Manager Geology, Mining Operations at the Seabee Gold Operation. Block modeling techniques were used for Mineral Resources and Mineral Resources evaluation for the Santoy mine and Porky West deposits. The preliminary economic assessment set forth in the Seabee Gold Operation Technical Report is preliminary in nature, and it includes Inferred Mineral Resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as Mineral Reserves, and there is no certainty that the preliminary economic assessment will be realized.

Puna Operations: Chinchillas Mineral Reserves estimate is reported at a cut-off grade of \$37.80 per tonne net smelter return ("NSR"). For additional information on the key assumptions, parameters and methods used to estimate Chinchillas Mineral Reserves and the data verification procedures followed, readers are encouraged to review the technical report entitled "NI 43-101 Technical Report Pre-feasibility Study of the Chinchillas Silver-Lead-Zinc Project, Jujuy Province, Argentina" dated May 15, 2017 (the "Chinchillas Technical Report"). Chinchillas Mineral Resources estimate is reported at a base case cut-off grade, which reflects the transport to and processing of ore at the Pirquitas plant, of 60.00 grams per tonne silver equivalent based on projected operating costs and using metal price assumptions of \$22.50 per ounce of silver, \$1.00 per pound of lead and \$1.10 per pound of zinc. For additional information on the key assumptions, parameters and methods used to estimate Chinchillas Mineral Resources and the data verification procedures followed, readers are encouraged to review the Chinchillas Technical Report. Pirquitas underground Mineral Resources (Pirquitas UG) estimate is reported below the completed open pit shell; Mineral Resources estimate for the Mining Area (which includes San Miguel, Chocaya, Oploca and Potosí zones) is reported at a cut-off grade of \$100.00 per tonne NSR for San Miguel, Oploca and Potosi, and \$90.00 per tonne NSR for San Miguel, Oploca and Potosi, and \$90.00 per tonne NSR, respectively, and were determined based on grade, rehandling costs and recovery estimates from metallurgical testing.

San Luis Project: Mineral Resources estimate is reported at a cut-off grade of 6.0 g/t gold equivalent, using metal price assumptions of \$600 per ounce of gold and \$9.25 per ounce of silver.

<u>Pitarrilla Project</u>: Mineral Resources estimate for the open pit is reported at a cut-off grade of \$16.38 per tonne NSR for direct leach material, and \$16.40 per tonne NSR for flotation/leach material. Underground Mineral Resources (Pitarrilla UG) estimate is reported below the constrained open pit resource shell above a cut-off grade of \$80.00 per tonne NSR, using grade shells that have been trimmed to exclude distal and lone blocks that would not support development costs.

Amisk Project: Mineral Resources estimate was prepared by Sebastien Bernier, P.Geo., a qualified person. Mineral Resources estimate is reported at a cut-off grade of 0.40 grams of gold equivalent per tonne using metal price assumptions of \$1,100 per ounce of gold and \$16.00 per ounce of silver inside conceptual pit shells optimized using metallurgical and process recovery of 87%, overall ore mining and processing costs of \$15.00 per tonne and overall pit slope of fifty-five degrees.

#### **SSR Mining Executive Team and Board of Directors**

#### Depth of experience and a top governance rating





Paul Benson
President and CEO



Nadine J. Block SVP, Human Resources



W. John DeCooman, Jr.
SVP, Business Development
and Strategy



**Gregory J. Martin** SVP and CFO



Kevin O'Kane SVP and COO



Michael Anglin Chairman



Brian Booth Director



Gustavo Herrero Director



Richard Paterson
Director



Steven Reid Director



Simon Fish Director



Beverlee Park Director



Elizabeth Wademan Director



**Paul Benson**Director, President and CEO



First decile corporate governance rating leads peer group

## **Notes**



