



YEAR END 2019 CONFERENCE CALL

February 21, 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, other than 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," "potential," or variations thereof, or stating that certain actions, events or results "may," "could," "would," "might" or "will" be taken, occur or be achieved, or the negative of any of these terms or similar expressions. The forward-looking statements in this presentation relate to, among other things: forecasts; outlook; production and cost guidance; future production of gold, silver and other metals; timing of production and production levels at our operations; higher margins; future cash costs and all-in sustaining costs ("AISC") per payable ounce of gold, silver and other metals sold; the prices of gold, silver and other metals; 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; our ability to discover new areas of mineralization, to add Mineral Reserves and to define additional Mineral Resources; the timing, extent and costs of capital investment at our operations; the timing and extent of capitalized stripping at our operations; achieving production records in 2020 at each of the Marigold mine and the Seabee Gold Operation; expected access to higher ore grades at the Marigold mine and the Seabee Gold Operation; expected increase in mining rates, mill throughput and gold recoveries at the Seabee Gold Operation; expected capital, exploration and development expenditures; expected timing and benefits of the commissioning of the additional hydraulic loading unit at the Marigold mine in early 2020 and the construction of an additional leach pad at the Marigold mine in 2020; expected cost and timing of completion of the first and second phase of the expansion to tailings capacity at the Seabee Gold Operation in 2020 and 2021, respectively; upon completion of the tailings facility expansion, expected tailings capacity for current mill throughput levels at the Seabee Gold Operation into the early 2030s; estimated mine life and extensions thereof, including anticipated extension of the mine life of the Marigold mine into the early 2030s, without requiring expansion of mining fleet or the associated expansion capital; our expected drill programs at the Marigold mine, the Seabee Gold Operation and Puna Operations; timing, focus and results of our exploration and development programs; expected timing for the publishing of our second annual Sustainability Report in 2020; the estimated cost of sustaining capital; ongoing or future development plans and capital replacement, improvement or remediation programs; estimates of expected or anticipated economic returns from our mining projects, including future sales of metals, concentrate or other products produced by us and the timing thereof; the effects of laws, regulations and government policies affecting our operations or potential future operations; and our plans and expectations for our properties and operations.

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 instability and unexpected regulatory changes; currency fluctuations; the possibility of future losses; general economic conditions; counterparty and market risks related to the sale of our concentrate and metals; uncertainty in the accuracy of Mineral Reserves and Mineral Resources estimates and in our ability to extract mineralization profitably; differences in U.S. and Canadian practices for reporting Mineral Reserves and Mineral Resources; lack of suitable infrastructure or damage to existing infrastructure; future development risks, including start-up delays and cost overruns; our ability to obtain adequate financing for further exploration and development programs and opportunities; 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 regulations, including health, safety and environmental regulations, including increased costs and restrictions on operations due to compliance with such regulations; unpredictable risks and hazards related to the development and operation of a mine or mineral property that are beyond our control; reclamation and closure requirements for our mineral properties; potential labour unrest, including labour actions by our unionized employees at Puna Operations; indigenous peoples' title claims and rights to consultation and accommodation may affect our existing operations as well as development projects and future acquisitions; certain transportation risks that could have a negative impact on our ability to operate; assessments by taxation authorities in multiple jurisdictions; recoverability of value added tax and significant delays in the collection process in Argentina; claims and legal proceedings, including adverse rulings in litigation against us and/or our directors or officers; compliance with anti-corruption laws and internal controls, and increased regulatory compliance costs; complying with emerging climate change regulations and the impact of climate change; fully realizing our interest in deferred consideration received in connection with recent divestitures; fully realizing the value of our shareholdings in our marketable securities, due to changes in price, liquidity or disposal cost of such marketable securities; uncertainties related to title to our mineral properties and the ability to obtain surface rights; the sufficiency of our insurance coverage; civil disobedience in the countries where our mineral properties are located; operational safety and security risks; actions required to be taken by us under human rights law; competition in the mining industry for mineral properties; our ability to complete and successfully integrate an announced acquisition; reputation loss resulting in decreased investor confidence, increased challenges in developing and maintaining community relations and an impediment to our overall ability to advance our projects; an event of default under our 2013 convertible notes or our 2019 convertible notes may significantly reduce our liquidity and adversely affect our business; failure to meet covenants under our senior secured revolving credit facility; information systems security threats; conflicts of interest that could arise from certain of our directors' and officers' involvement with other natural resource companies; other risks related to our common shares; and those other various risks and uncertainties identified under the heading "Risk Factors" in our most recent Annual Information Form filed with the Canadian securities regulatory authorities and included in our most recent Annual Report on Form 40-F filed with the U.S. Securities and Exchange Commission ("SEC").

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 it. Assumptions have been 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 Resources and 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, assumptions regarding stockpiles, the success of mining, processing, exploration and development activities, the accuracy of geological, mining and metallurgical estimates, no significant unanticipated operational or technical difficulties, maintaining good relations with the communities surrounding the Marigold mine, the Seabee Gold 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 or 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 consistent with these forward-looking statements, and management's assumptions may prove to be incorrect. Our forward-looking statements reflect current expectations regarding future events and operating performance and speak only as of the date hereof and we do not assume any obligation to update forward-looking statements if circumstances or management's beliefs, expectations or opinions should change other than as required by applicable law. For the reasons set forth above, you should not place undue reliance on forward-looking statements.

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 Reserves and Mineral Resources classification terms that comply with reporting standards in Canada and the Mineral Reserves 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 out in SEC Industry Guide 7. Consequently, Mineral Reserves and Mineral Resources information included in this presentation is not comparable to similar information that would generally be disclosed by domestic U.S. reporting companies subject to the reporting and disclosure requirements of the SEC. Under SEC standards, mineralization may not be classified 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" have a great amount of uncertainty as to their existence and great uncertainty as to their economic and legal feasibility. Moreover, the requirements of NI 43-101 for identification of "reserves" are also not the same as those of the SEC, and reserves reported by us in compliance with NI 43-101 may not qualify as "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 and AISC per payable ounce of gold and silver sold, realized metal prices, adjusted attributable net income and adjusted basic attributable earnings per share. 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 contributable 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 at www.ssrmining.com, under the heading "Non-GAAP Financial Measures" for a more detailed discussion of how we calculate such measures and a reconciliation of certain measures to GAAP terms.

Track Record of Creating Shareholder Value

- Met or exceeded production and cost guidance for an eighth consecutive year
- Best year for safety as an operating company
- \$504M of cash as of year-end 2019
- Record annual production at all mines
- Continued exploration success
- Improved operating margins
- Published inaugural Sustainability Report



Marigold Mine: Q4 & FY 2019 Results



- Produced 220,227 oz of gold in 2019
- Annual cash costs of \$811 per oz
- Produced 59,186 oz of gold in Q4
- Hydraulic shovel delivered end of Q4
- Completed construction of new leach pad on schedule and on budget

Note: We report the non-GAAP financial measure of cash costs per payable ounce of gold sold to manage and evaluate operating performance. See "Cautionary Note Regarding Non-GAAP Measures".

Seabee Gold Operation: Q4 & FY 2019 Results



- Delivered 112,137 oz of gold production, a record for the sixth consecutive year
- Annual cash costs of \$464 per oz
- Produced 22,069 oz of gold in Q4
- Exploration success driving tailings capacity increase
- Transportation of materials over ice road is underway

Note: We report the non-GAAP financial measure of cash costs per payable ounce of gold sold to manage and evaluate operating performance. See "Cautionary Note Regarding Non-GAAP Measures".

Puna Operations: Q4 & FY 2019 Results

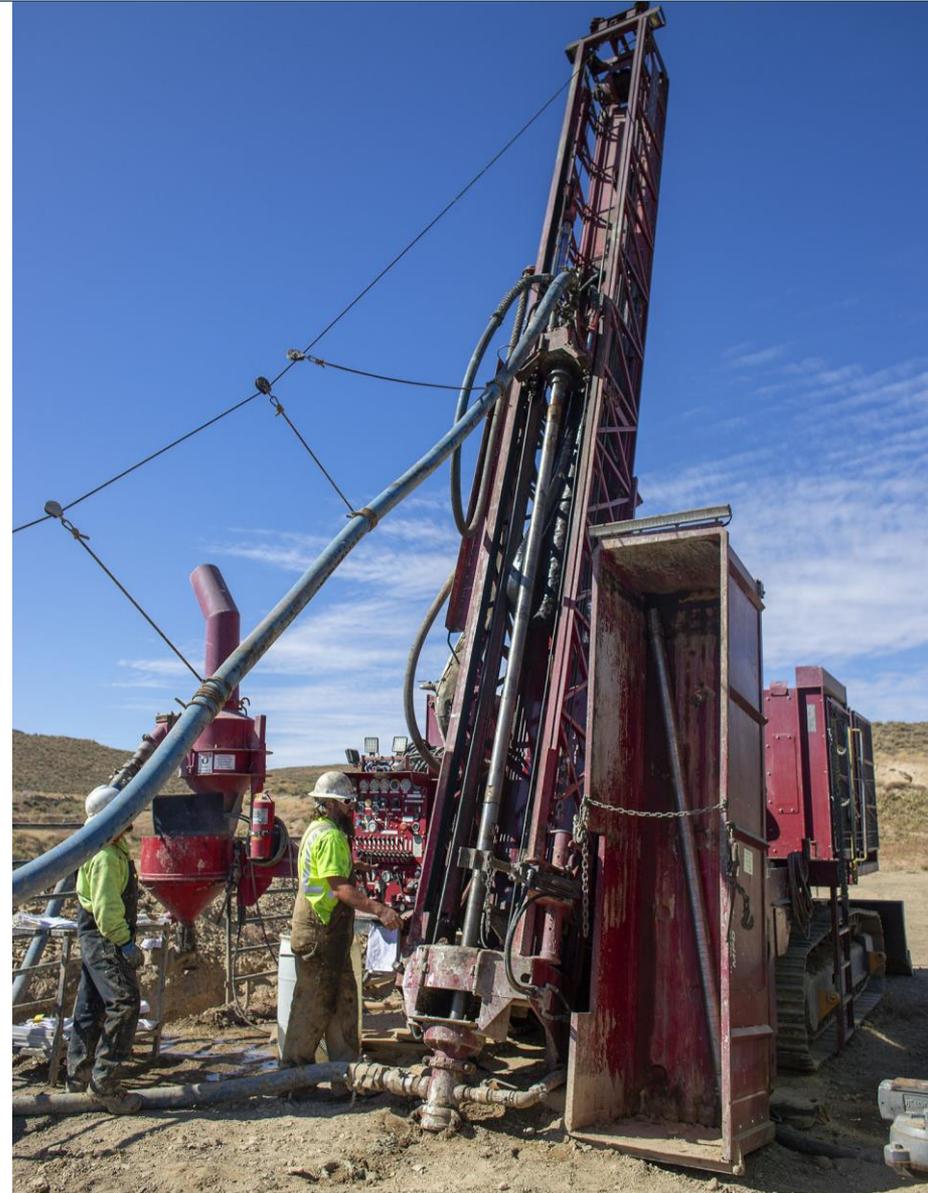


- Achieved steady-state throughput in Q4 2019
- Produced 7.7M oz of silver, exceeding upwardly revised annual guidance
- Annual cash costs of \$10.38 per oz
- Produced 2.1M oz of silver in Q4
- 2019 silver recovery of 93.2%, higher than projected in pre-feasibility study

Note: We report the non-GAAP financial measure of cash costs per payable ounce of silver sold to manage and evaluate operating performance. See "Cautionary Note Regarding Non-GAAP Measures".

Exploration Success in 2019

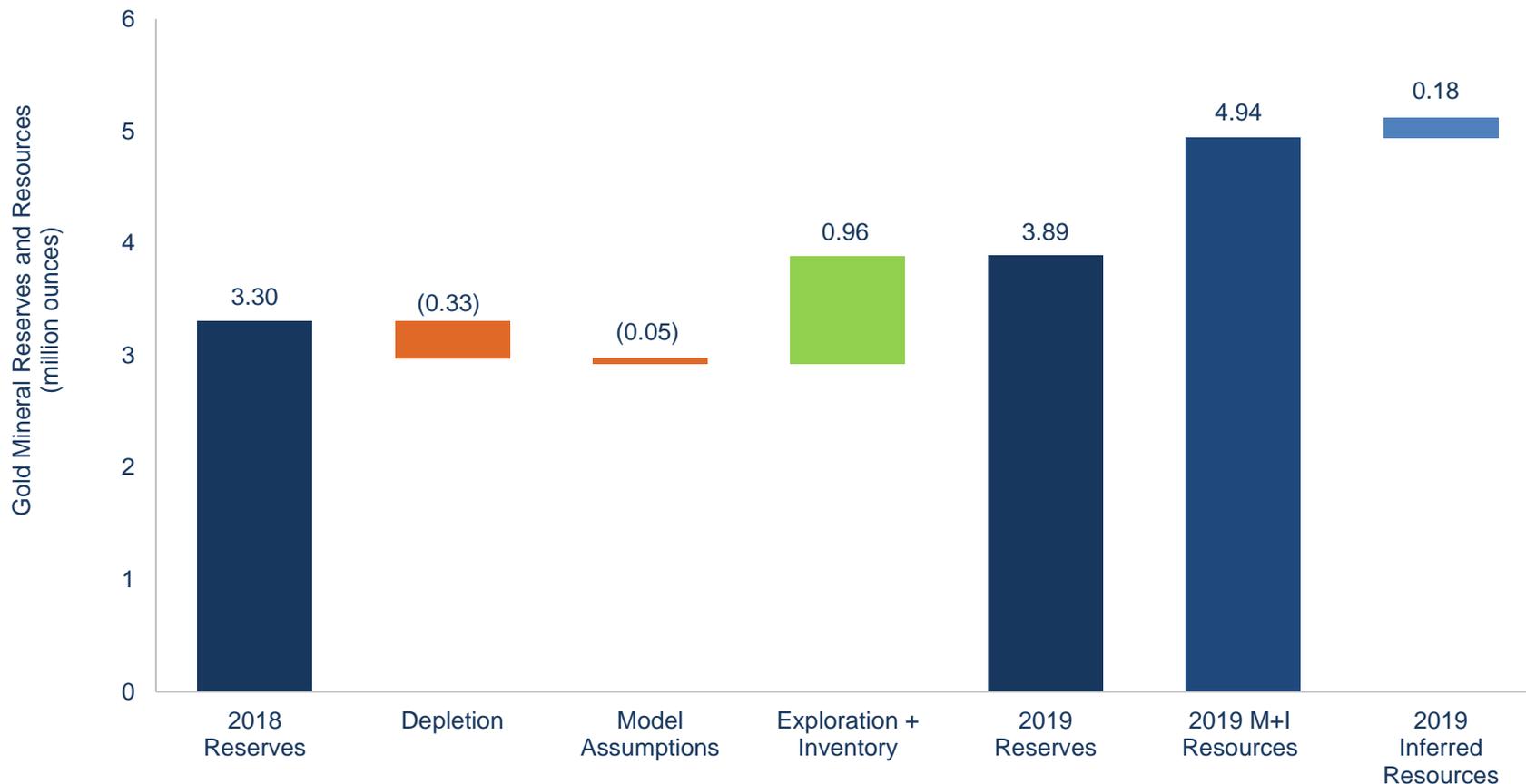
- At Marigold, converted Red Dot Mineral Resources to Mineral Reserves
- At Seabee, added underground Mineral Resources at Gap HW
- Continued exploration of greenfield targets close to our mines
- Disciplined, consistent approach to Mineral Reserves and Resources estimates



Notes: Please refer to "Cautionary Notes" in this presentation and the notes to our 2019 Mineral Reserves and Mineral Resources table on our website at www.ssrmining.com.

Marigold Mineral Reserves and Resources

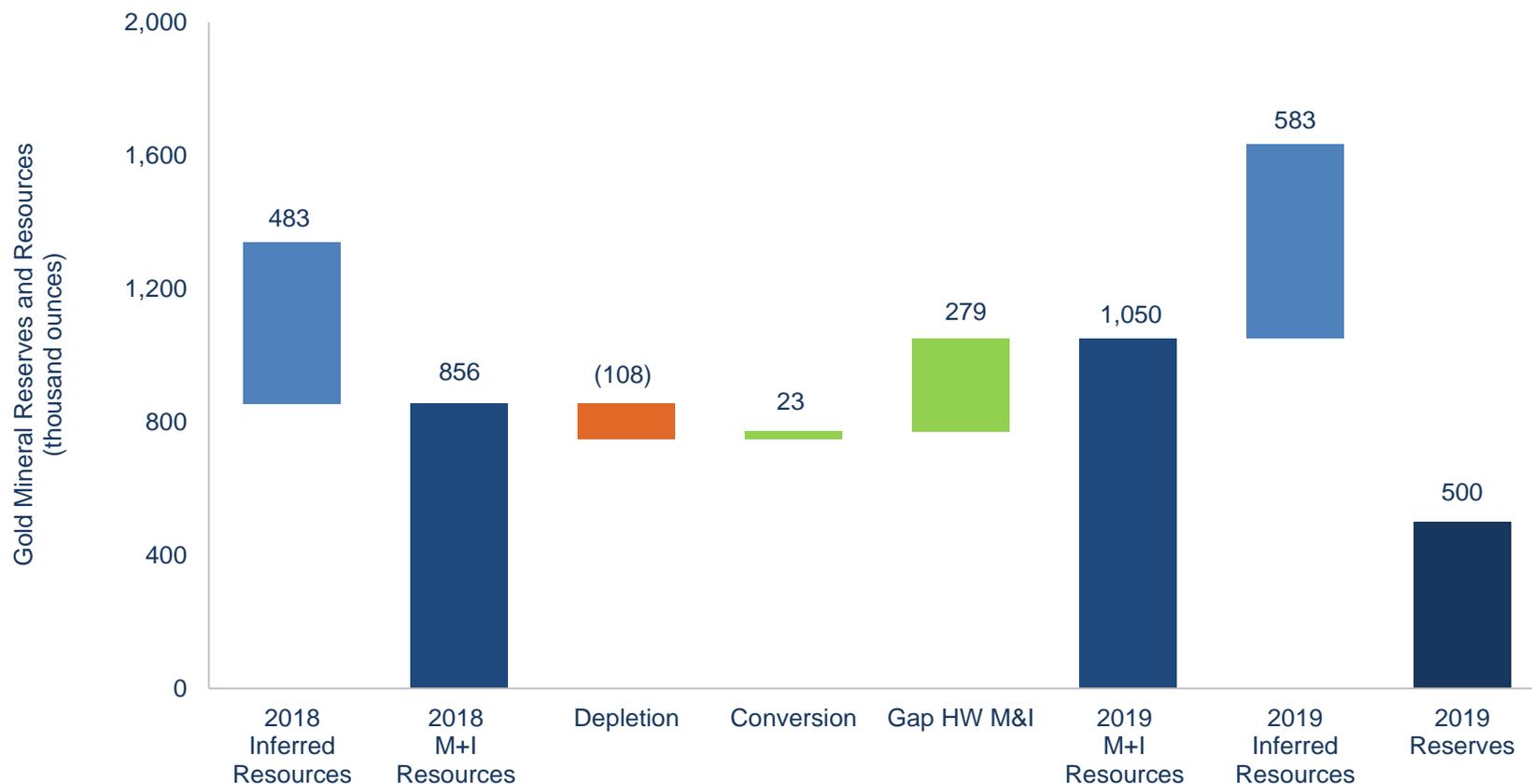
Mineral Reserves gold grade increased to 0.49 g/t



Notes: Mineral Reserves estimate is based on \$1,250/oz gold price assumption. Probable Mineral Reserves estimate (inclusive of 0.28 million ounces of leach pad inventory) totaled 228.8 million tonnes at an average gold grade of 0.49 g/t. Mineral Resources estimate is based on \$1,400/oz gold price assumption. Indicated Mineral Resources estimate (inclusive of Mineral Reserves) totaled 301.8 million tonnes at an average gold grade of 0.48 g/t. Inferred Mineral Resources estimate totaled 16.2 million tonnes at an average gold grade of 0.35 g/t. Mineral Reserves and Mineral Resources figures have some rounding applied, and thus totals may not sum exactly. Please refer to “Cautionary Notes” in this presentation and the notes to our 2019 Mineral Reserves and Mineral Resources table on our website at www.ssrmining.com.

Seabee Mineral Reserves and Resources

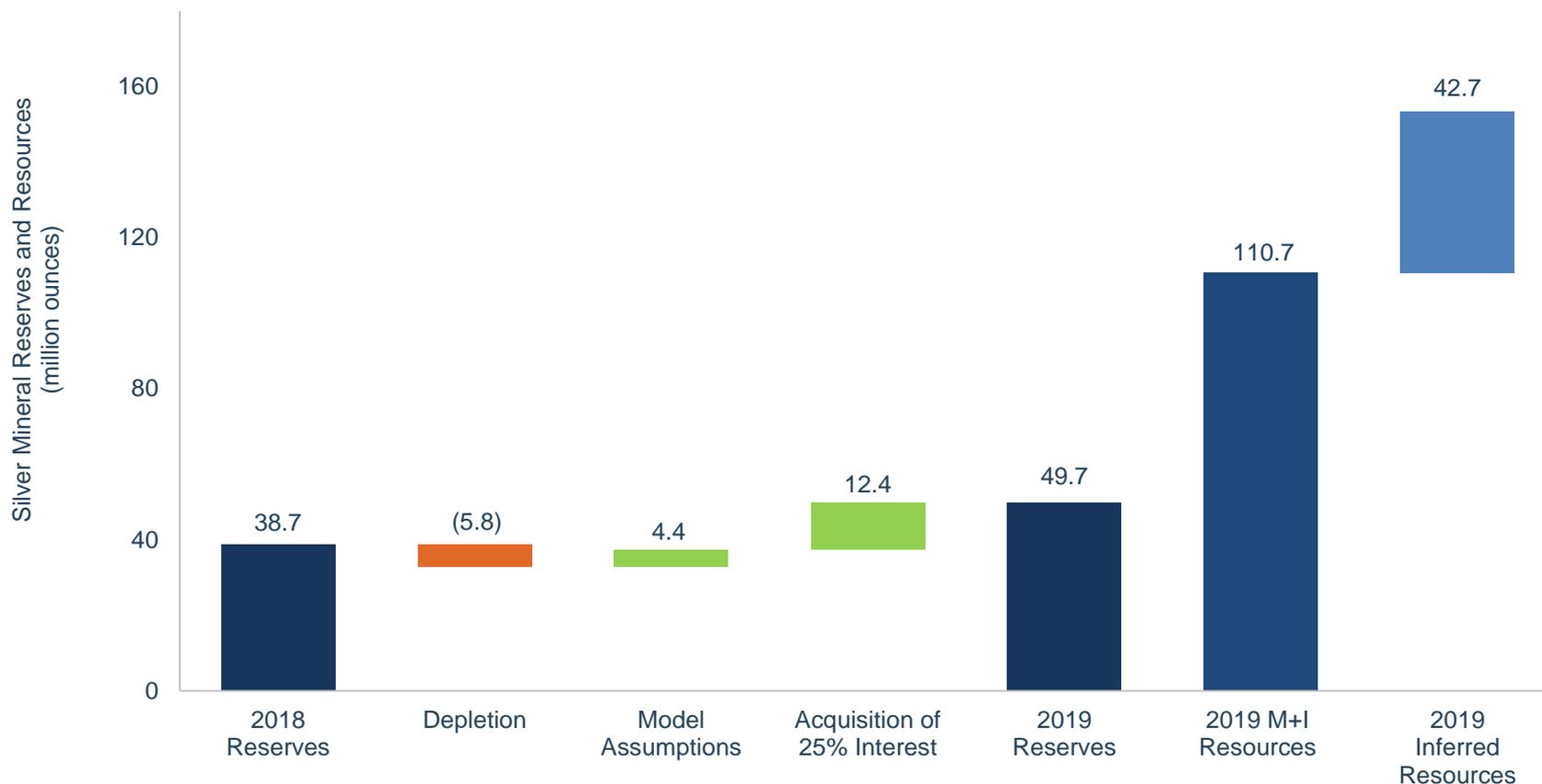
Mineral Reserves gold grade increased to 10.17 g/t



Notes: Mineral Reserves estimate is based on \$1,250/oz gold price assumption. Proven Mineral Reserves estimate is 0.12 million ounces (0.37 million tonnes at an average gold grade of 9.82 g/t) and Probable Mineral Reserves estimate is 0.38 million ounces (1.16 million tonnes at an average gold grade of 10.29 g/t). Mineral Resources estimate is based on \$1,400/oz gold price assumption. Measured and Indicated Mineral Resources are inclusive of Mineral Reserves. Measured Mineral Resources estimate is 0.2 million ounces (0.49 million tonnes at an average gold grade of 12.69 g/t) and Indicated Mineral Resources estimate is 0.85 million ounces (2.59 million tonnes at an average gold grade of 10.22 g/t). Inferred Mineral Resources estimate is 0.58 million ounces (2.13 million tonnes at an average gold grade of 8.50 g/t). Mineral Reserves and Mineral Resources figures have some rounding applied, and thus totals may not sum exactly. Please refer to "Cautionary Notes" in this presentation and the notes to our 2019 Mineral Reserves and Mineral Resources table on our website at www.ssrmining.com.

Puna Mineral Reserves and Resources

Mineral Reserves silver grade of 149 g/t plus base metals



Notes: Mineral Reserves estimate is based on \$18.00/oz silver price assumption. Proven Mineral Reserves estimate is 3.8 million ounces (0.81 million tonnes at an average silver grade of 147 g/t) and Probable Mineral Reserves estimate is 45.9 million ounces (9.6 million tonnes at an average silver grade of 149 g/t). Mineral Resources estimate is based on \$20.00/oz silver price assumption. Measured and Indicated Mineral Resources are inclusive of Mineral Reserves. Measured Mineral Resources estimate is 6.2 million ounces (1.51 million tonnes at an average silver grade of 127 g/t) and Indicated Mineral Resources estimate is 104.5 million ounces (27.4 million tonnes at an average silver grade of 119 g/t). Inferred Mineral Resources estimate is 42.7 million ounces (23.2 million tonnes at an average silver grade of 57 g/t). Mineral Reserves and Mineral Resources figures have some rounding applied, and thus totals may not sum exactly. Please refer to "Cautionary Notes" in this presentation and the notes to our 2019 Mineral Reserves and Mineral Resources table on our website at www.ssrmining.com.

Focus on Continued Resource Growth and Discovery

- Focus on Mineral Resources growth at Marigold and Trenton Canyon
 - ~64km drilling planned
 - \$12M exploration spend
- Focus on Mineral Reserves and Mineral Resources growth at Seabee
 - ~87km drilling planned
 - \$12M exploration spend
- Fisher project: 12km drilling



Selected Financial Results



	Units	Q4 2019	Q4 2018	2019	2018
Gold Equivalent Production	oz	106,205	88,718	421,828	347,090
Gold Sales	oz	85,450	72,261	331,872	290,294
Silver Sales	Moz	2.6	0.9	7.7	3.8
Total Gold Equivalent Sales	oz	114,268	82,439	415,383	335,267
Revenue	\$M	\$177.6	\$103.7	\$606.9	\$420.7
Income from Mine Operations	\$M	\$58.9	\$16.5	\$170.9	\$76.8
Net Income (Loss)	\$M	\$19.5	\$(2.5)	\$55.8	\$(0.03)
Attributable Net Income (Loss)	\$M	\$19.5	\$(3.5)	\$57.3	\$6.4
Basic Attributable Earnings (Loss) per share	\$	\$0.16	\$(0.03)	\$0.47	\$0.05
Adjusted Attributable Net Income	\$M	\$36.6	\$4.4	\$98.2	\$28.0
Adjusted Basic Attributable Earnings per share	\$	\$0.30	\$0.04	\$0.81	\$0.23
Cash Generated (Used) by Operating Activities	\$M	\$48.6	\$(3.7)	\$134.2	\$59.8
Cash and Cash Equivalents	\$M	\$503.6	\$419.2	\$503.6	\$419.2
Marketable Securities	\$M	\$66.5	\$29.5	\$66.5	\$29.5

Notes: 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.

2020 Operating 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 <i>(US\$/oz)</i>	\$780/oz – \$810/oz	\$460/oz – \$500/oz	\$10.50/oz – \$12.00/oz	\$715/oz – \$765/oz
Capital Expenditures (\$M)	\$60M	\$20M <i>(incl. \$5M Growth)</i>	\$21M <i>(incl. \$6M Growth)</i>	\$101M <i>(incl. \$11M Growth)</i>
Capitalized Stripping / Capitalized Development (\$M)	\$20M	\$12M	\$12M	\$44M
Exploration Expenditures (\$M)	\$12M <i>(incl. \$8M Growth)</i>	\$12M <i>(incl. \$11M Growth)</i>	\$1M <i>(incl. \$1M Growth)</i>	\$25M <i>(incl. \$20M Growth)</i>

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 presentation 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.

Track Record of Creating Value

- Focus on safe production
- Met or exceeded guidance for eighth straight year in 2019
- ~425,000 oz of gold equivalent production forecast in 2020
- Strong margins at current metal prices
- Continuing to invest in exploration



Notes: Please refer to "Cautionary Notes" in this presentation.



SSR Mining Inc.
www.ssrmining.com

Toll-free: +1 888.338.0046
Telephone: +1 604.689.3846
Email: invest@ssrmining.com
