



Q2 2019 CONFERENCE CALL

August 9, 2019



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," "believes," 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 news release relate to, among other things: future production of gold, silver and other metals; improvements to cash costs 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 and increase Mineral Resources, replace and increase Mineral Reserves, convert Mineral Resources to Mineral Reserves and convert Inferred Mineral Resources to Indicated Mineral Resources at the Marigold mine and the Seabee Gold Operation, including (a) converting Mineral Resources and adding Mineral Reserves at Red Dot at year-end 2019 and increasing Mineral Resources and Mineral Reserves at the Marigold mine at year-end 2019 and (b) increasing Mineral Resources at Santoy Gap HW at year-end 2019; expected timing for our exploration program at the Trenton Canyon property in the third quarter of 2019; our expected drill programs at the Marigold mine and the Seabee Gold Operation; estimated mine life, including anticipated extension of the mine life of the Marigold mine into the early 2030's, without requiring expansion of mining fleet or the associated expansion capital, and the Seabee Gold Operation; timing of production at the Marigold mine, the Seabee Gold Operation and Puna Operations; expected increase in mill throughput at Seabee Gold Operations in the second half of 2019; timing and focus of our exploration and development programs, expected timing of completion of construction milestones at Chinchillas project, including the expectation that the Chinchillas project will remain on budget; ongoing or future development plans and capital replacement, improvement or remediation programs; expected timing of closing the acquisition of the remaining 25% of Puna Operations from Golden Arrow Resources Corporation; the estimates of expected or anticipated economic returns from our mining projects, including future sales of metals, concentrate or other products produced by us; our ability to meet or exceed our guidance for the eighth consecutive year; 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 concentrates 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 Puna credits balance 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; risks normally associated with the conduct of joint ventures; an event of default under our 2013 convertible notes and 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; 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").

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 presentation 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.

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 payable ounce of precious metals sold, realized metal prices, adjusted attributable net income and adjusted basic attributable earnings per share. Non-GAAP financial measures do not have any standardized meaning prescribed under IFRS and, therefore, they may not be comparable to similar measures reported 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. These non-GAAP measures should be read in conjunction with our consolidated financial statements. Readers should 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.

Delivered Strong Operating and Financial Results

- Produced 98,334 gold equivalent ounces at cash costs of \$775/oz
- Revised operating guidance sets us up for meeting or exceeding guidance for the eighth consecutive year
- Success across exploration portfolio
- Acquisition of properties contiguous to Marigold nearly doubles land package
- Consolidating ownership in Puna Operations



Note: Cash costs is a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

Marigold Mine: Q2 2019 Results



- Produced 54,922 oz of gold
- Reported cash costs of \$835/oz gold
- Stacked 7.1Mt of ore at a gold grade of 0.38 g/t, both higher quarter-on-quarter
- Exploration success at Red Dot
 - Expected conversion of Mineral Resources to extend Marigold mine life into the 2030's
 - Expansion capital not required

Note: Cash costs is a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

Seabee Gold Operation: Q2 2019 Results



- Produced 26,539 oz of gold
- Reported cash costs of \$526/oz gold
- New UG loaders and haul trucks commissioned April 2019
- On track to achieve mill throughput of 1,050 tpd by year-end 2019
- Tailings expansion project on track

Note: Cash costs is a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

Puna Operations: Q2 2019 Results

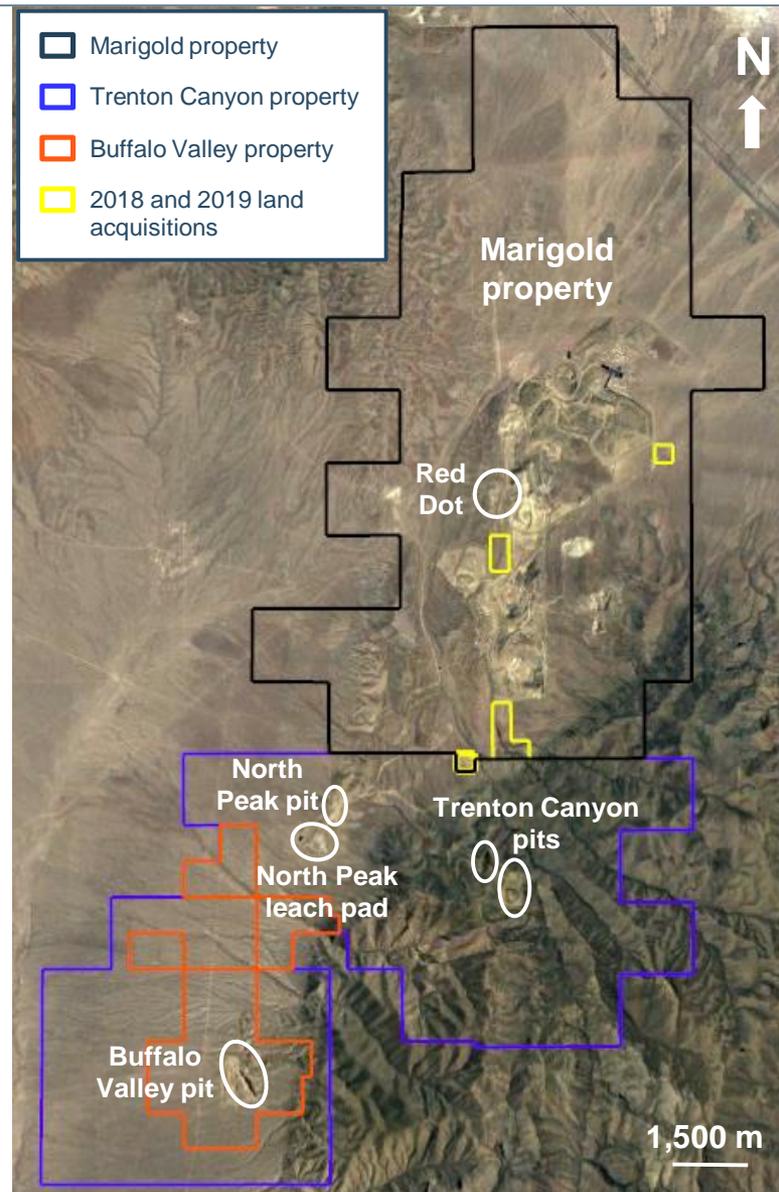


- Produced 1.5M oz of silver
- Reported lower cash costs of \$9.80/oz silver
- Mining activities achieved planned rates; focus on steady state operations and plant performance
- Increased quarterly concentrate sales with the goal to align production and sales in following quarters

Note: Cash costs is a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

Pursuing Reserves and Resources Growth at Marigold

- Advancing mine life extension
 - 25,000 meters completed in Q2
 - Red Dot Resources expected to convert and extend Marigold's mine life into the 2030's
- Acquired 100% of the Trenton Canyon and Buffalo Valley properties in Q2
 - Nearly doubled land package
 - Favorable to hosting oxide and deep sulphide exploration targets
 - Targeting exploration at Trenton Canyon in Q3 2019



Notes: Please see our news releases dated June 27, 2019 and July 30, 2019 for further details and "Cautionary Notes" in this presentation.

Focus on Mineral Resource Growth and Conversion

- Focused on conversion and extension of Mineral Resources at Seabee
 - 20,000 meters completed in Q2
 - Expected to add Mineral Resources at Santoy Gap Hanging Wall
 - Targeting a new discovery at the Fisher project and Batman Lake area
- Evaluating development program to extend high grade mineralization at Pitarrilla
 - Expect to commence drilling H2 2020, subject to approval



Selected Financial Results



| | Units | Q2 2019 | Q1 2019 |
|---|-------|----------------|---------|
| Gold Sales | oz | 83,978 | 83,516 |
| Silver Sales | Moz | 2.7 | 0.9 |
| Total Gold Equivalent Payable Sales | oz | 112,022 | 93,452 |
| Gold Equivalent Production | oz | 98,334 | 112,513 |
| Revenue | \$M | \$155.1 | \$126.3 |
| Income from Mine Operations | \$M | \$29.8 | \$30.2 |
| Net Income | \$M | \$12.4 | \$5.7 |
| Attributable Net Income | \$M | \$10.6 | \$6.5 |
| Basic Attributable Earnings per Share | \$ | \$0.09 | \$0.05 |
| Adjusted Attributable Net Income | \$M | \$17.8 | \$17.2 |
| Adjusted Basic Attributable Earnings per share | \$ | \$0.15 | \$0.14 |
| Cash Generated (Used) by Operating Activities | \$M | \$33.4 | \$(0.3) |
| Cash and Cash Equivalents | \$M | \$452.2 | \$461.4 |

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.

Updated 2019 Production and Cash Costs Guidance



| | Marigold | Seabee | Puna | SSR Mining |
|--|---|---|---|---------------------------|
| | Gold | Gold | Silver | Gold Equivalent |
| Production <i>(Previous)</i> | 205K – 220K oz <i>(200K – 220K oz)</i> | 100K – 110K oz <i>(95K – 110K oz)</i> | 6.5M – 7.5M oz <i>(6.0M – 7.0M oz)</i> | 380K – 420K oz |
| Cash Costs (US\$/oz) <i>(Previous)</i> | \$780/oz – \$800/oz <i>(\$750/oz – \$790/oz)</i> | \$475/oz – \$505/oz <i>(\$525/oz – \$555/oz)</i> | \$9.75/oz – \$11.25/oz <i>(\$8.00/oz – \$10.00/oz)</i> | \$710/oz – \$760/oz |
| Sustaining Capital Expenditures (\$M) <i>(Previous)</i> | \$35M | \$25M | \$15M <i>(\$12M)</i> | \$75M <i>(\$72M)</i> |
| Capitalized Stripping / Capitalized Development (\$M) <i>(Previous)</i> | \$15M <i>(\$20M)</i> | \$12M | \$24M <i>(\$20M)</i> | \$51M <i>(\$52M)</i> |
| Exploration Expenditures (\$M) <i>(Previous)</i> | \$9M <i>(\$7.5M)</i> | \$6M | \$1M | \$16M <i>(\$14.5M)</i> |

Consolidated Guidance

Mid-point of 400,000 oz AuEq at cash costs of \$735/oz

Notes: Puna Operations 2019 production guidance for lead and zinc is 20.0 to 22.0 million pounds and 7.0 to 9.0 million pounds, respectively, on a 100% consolidated basis. Please see our news releases dated February 21, 2019 and August 8, 2019. Gold equivalent production and cash costs are based on a 85:1 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 and Growth

- Delivered strong operating performance
- Improved annual production guidance
- Maintained balance sheet strength for financial flexibility
- Realized exploration success
- Continued focus on growth and financial discipline





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