



A TRACK RECORD OF CREATING VALUE

March 2018

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, including forecasted production increase by 35% in 2021; timing of production; future costs of inventory; cash costs and all-in sustaining costs ("AISC") per payable ounce of gold, silver and other metals sold; expected exploration and development expenditures; the prices of gold, silver and other metals; our ability to discover new areas of mineralization, to convert Inferred Mineral Resources to Indicated Mineral Resources, to expand Mineral Reserves and to convert Mineral Resources into Mineral Reserves; expansion of the Seabee Gold Operation based on the results of the PEA; the PEA representing production growth, improved margins and processing plant performance and low capital investment; timing, amount and duration of future production of gold under the PEA; the timing of closure of the original Seabee mine; the timing of awarding construction contracts for the Chinchillas project's supporting infrastructure; expected timing of construction of and ore delivery from the Chinchillas project; the expected timing of first ore delivery to the Pirquitas mill and anticipated production resulting therefrom; the anticipated effect of equipment purchases at Marigold mine on future production; the expected benefits of the new leach pad at the Marigold mine; the effects of laws, regulations and government policies affecting our operations or potential future operations; our exposure to fluctuations in ARS and interest rates on the liability under the tax moratorium; future successful exploration and 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; the estimated cost of sustaining capital; ongoing or future development plans and capital replacement, improvement or remediation programs; the estimates of expected or anticipated economic returns from our mining projects, including future sales of metals, concentrate or other products produced by us; 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; our ability to obtain necessary permits for the Chinchillas project; commodity price fluctuations; political or economic instability and unexpected regulatory changes; currency and interest rate fluctuations; the possibility of future losses; general economic conditions; fully realizing the value of our shareholdings in Pretium Resources Inc. and our other marketable securities, due to changes in price, liquidity or disposal cost of such marketable securities; 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; potential labour unrest, including labour actions by our unionized employees at Puna Operations; the impact of governmental regulations, including health, safety and environmental regulations, including increased costs and restrictions on operations due to compliance with such regulations; reclamation and closure requirements for our mineral properties; failure to effectively manage our tailings facilities; social and economic changes following closure of a mine, may lead to adverse impacts and unrest; unpredictable risks and hazards related to the development and operation of a mine or mineral property that are beyond our control; indigenous peoples' title claims and rights to consultation and accommodation may affect our existing operations as well as development projects and future acquisitions; assessments by taxation authorities in multiple jurisdictions; 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, including extreme weather conditions; fully realizing our interest in deferred consideration received in connection with recent divestitures; 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; an event of default under our Notes may significantly reduce our liquidity and adversely affect our business; failure to meet covenants under our senior secured revolving credit facility; conflicts of interest that could arise from certain of our directors' and officers' involvement with other natural resource companies; information systems security threats; 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 Thomas Rice 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 F. Carl Edmunds, P. Geo., a qualified person under NI 43-101 and our employee; and Puna Operations has been reviewed and approved by Bruce Butcher, P. Eng., 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 and AISC per payable ounce of precious metals sold, realized metal prices, adjusted attributable income (loss) before tax, adjusted attributable net income (loss), adjusted basic attributable income (loss) per share, income from mine operations, operating income and working capital. Non-GAAP financial measures do not have any standardized meaning prescribed under IFRS and, therefore, 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 and Additional GAAP Financial Measures" for a more detailed discussion of how we calculate such measures and for a reconciliation of such measures to IFRS terms.

Why SSR Mining?

A long-term track record of creating value



① Strong Operating Platform in Favorable Jurisdictions

+8 year mine life expected at all three operations

Marigold

Seabee

Puna

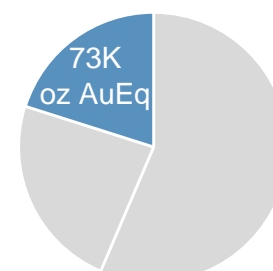
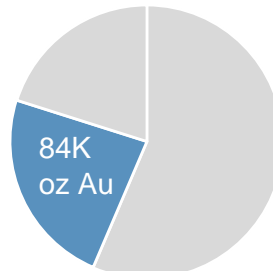
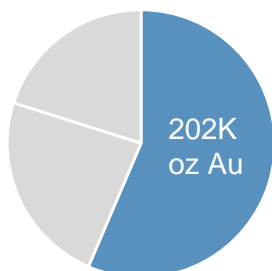
Favorable Jurisdictions

Nevada:
#3 ranked
globally

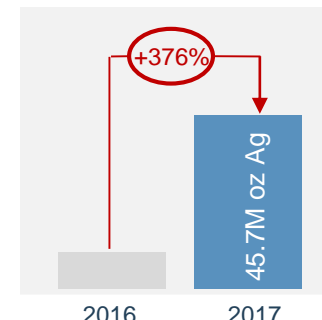
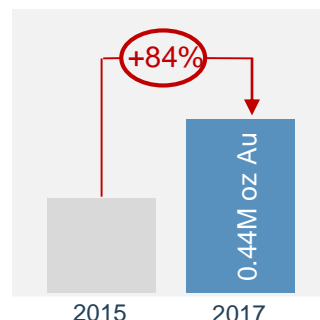
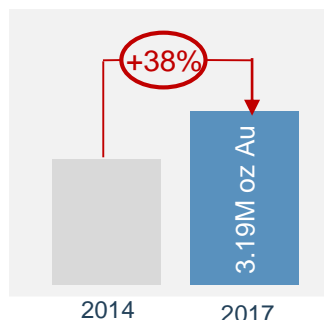
Saskatchewan:
#2 ranked
globally

Argentina:
+10 year operating
history

Diversified Production Base



Mineral Reserves Growth

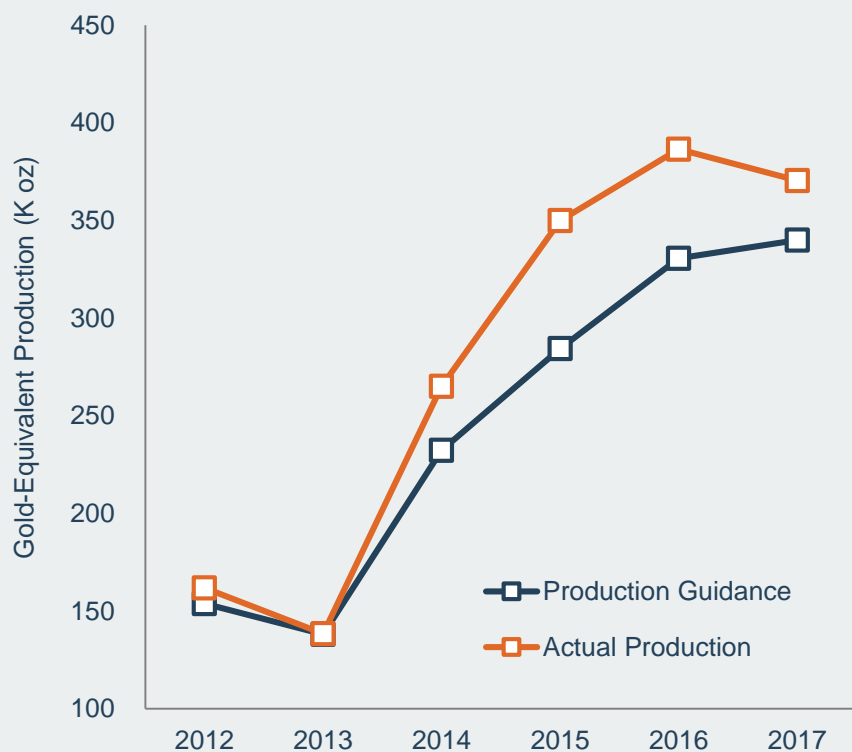


Notes: Production represents 2017 actual production on an attributable, gold equivalent basis. Reserve growth compares Mineral Reserves as at year end 2017 vs. 2014 for Marigold, year end 2017 vs. 2015 (as published by Claude Resources) for Seabee, and attributable Mineral Reserves as at year end 2017 vs. 2016 for Puna Operations

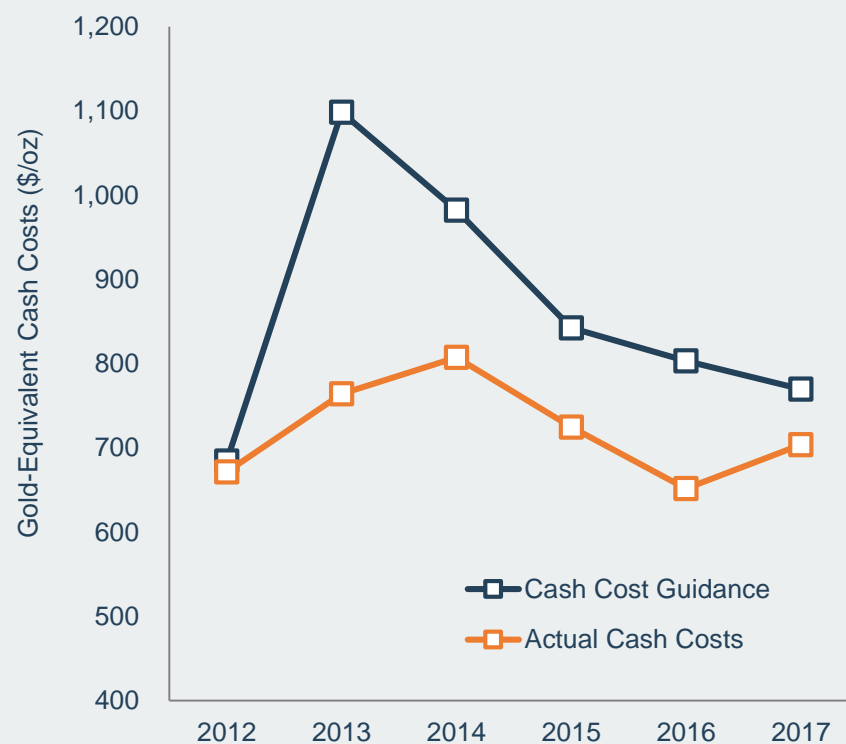
② Track Record of Delivery

Six-year history of meeting or exceeding guidance

Reliable trend of delivering more gold...

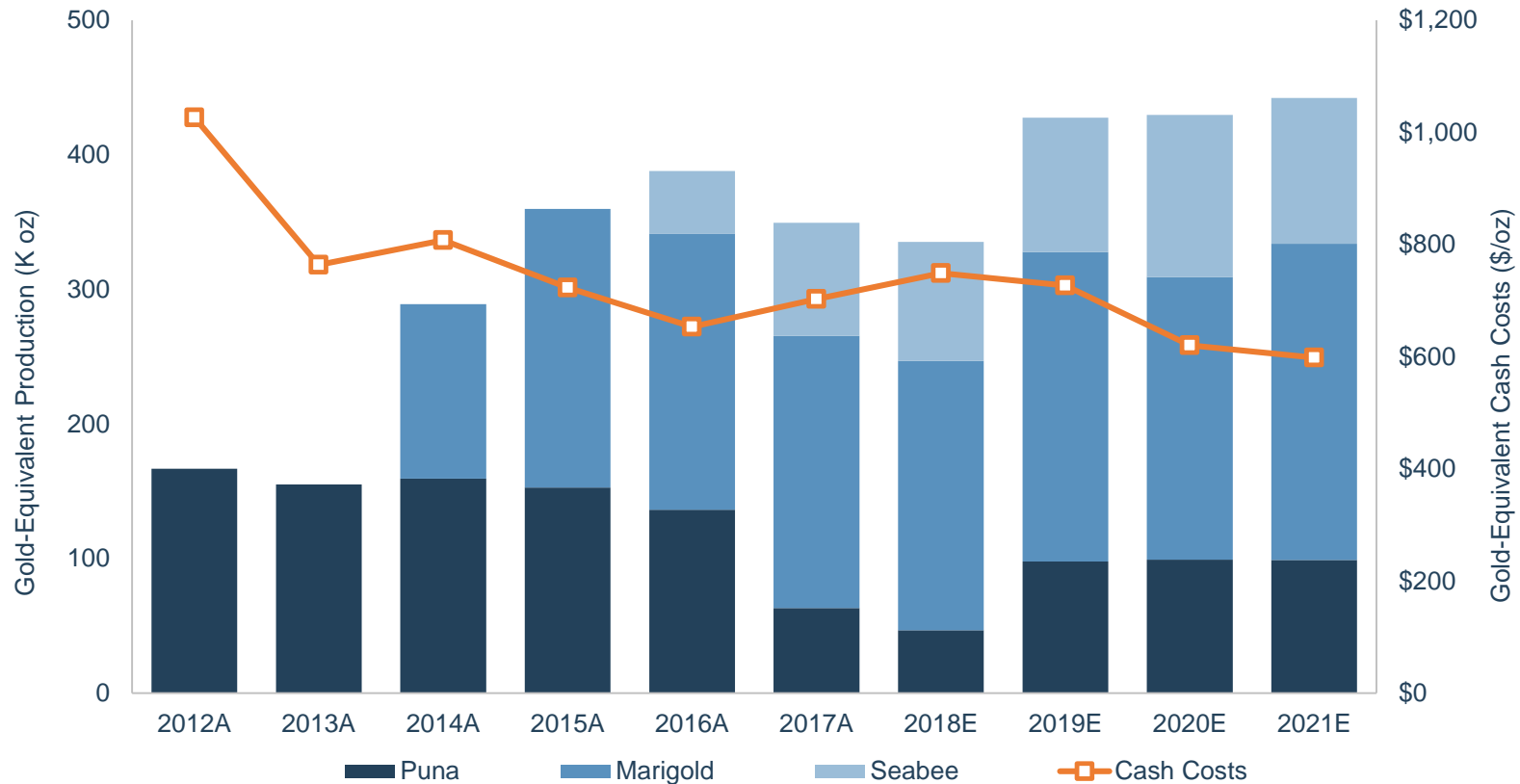


...at lower cash costs with less variability



Notes: Gold Eq. ounces have 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. Realized metal prices and cash costs are non-GAAP financial measures. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

③ Track Record of Growth and Decreasing Costs

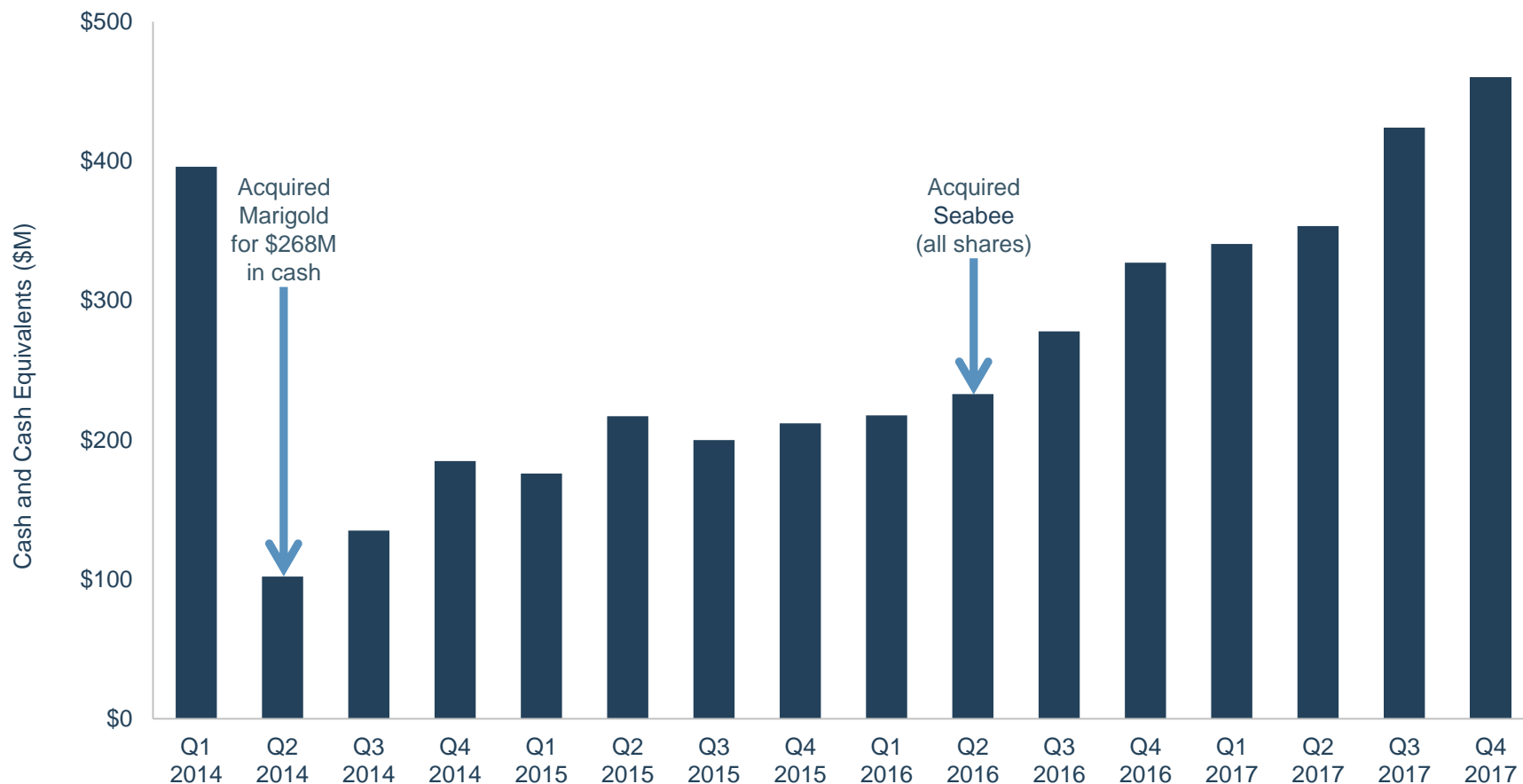


Strong Outlook

+27% near-term increase in annual AuEq production

Notes: Production and cash costs for 2017 reflect actual production and cash costs as reported in our news release dated February 22, 2018. Production and cash costs for 2018 reflect the mid-point of 2018 guidance as reported in our news release dated January 15, 2018, and are presented on an attributable co-product basis. Production and cash costs for each of the 2019-2021 periods for each operation are based on the Marigold Five-Year Outlook as reported in our news release dated September 15, 2016, the Seabee Gold Operation PEA as reported in our news release dated September 7, 2017 and the Puna Operations PFS as reported in our news release dated May 31, 2017. Puna Operations production reported on a 100% basis prior to formation of joint venture with Golden Arrow on May 31, 2017; subsequent to May 31, 2017, Puna Operations production is reported on a 75% basis. Gold equivalent ounces have 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 and cash costs calculated on a co-product basis, utilizing historical prices through 2017, 2018 guidance as reported in our news release dated January 15, 2018, and Mineral Reserve prices for 2019-2021. Realized metal prices and cash costs are non-GAAP financial measures. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

④ Track Record of Free Cash Flow Generation

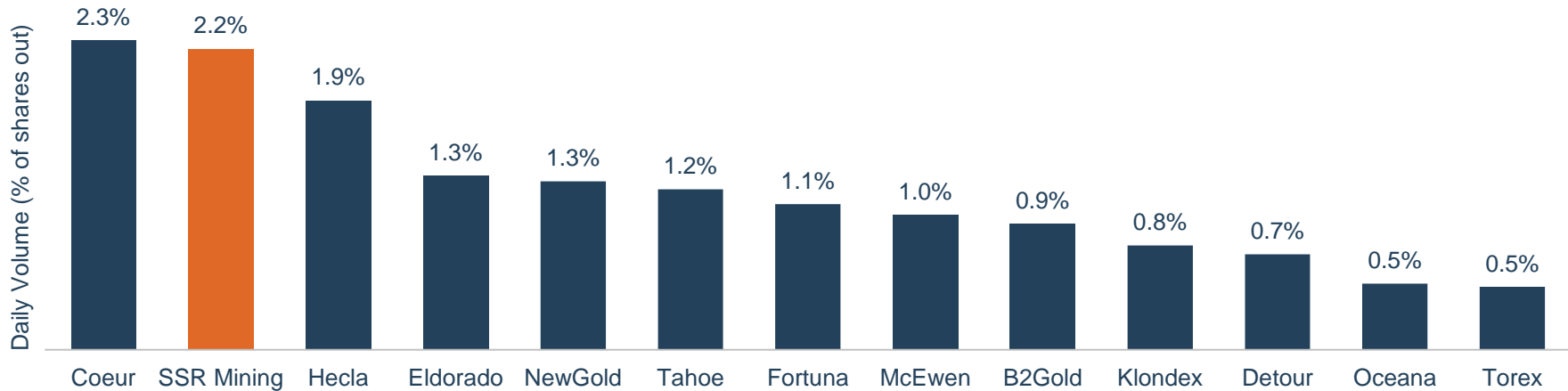
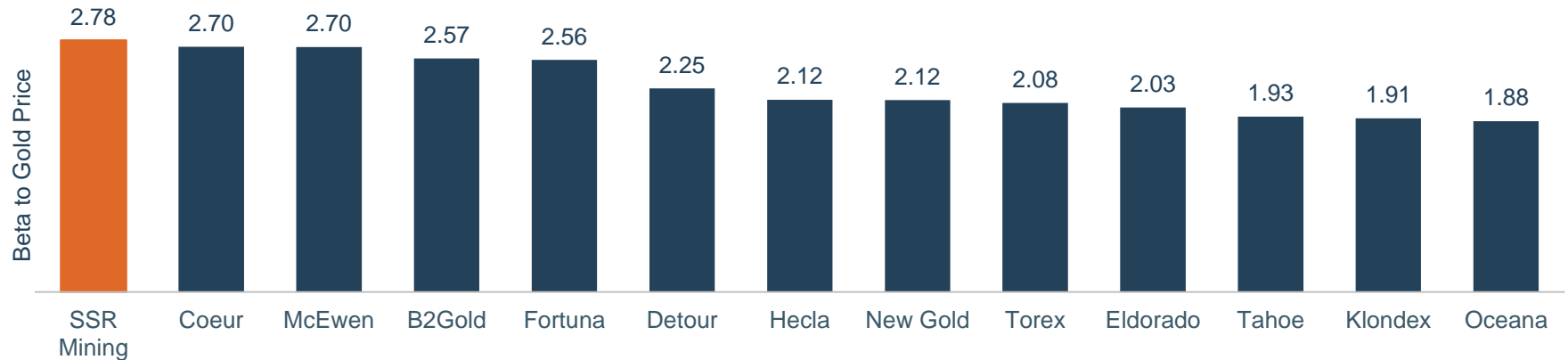


Ops Driven FCF

Increased cash balance nine consecutive quarters

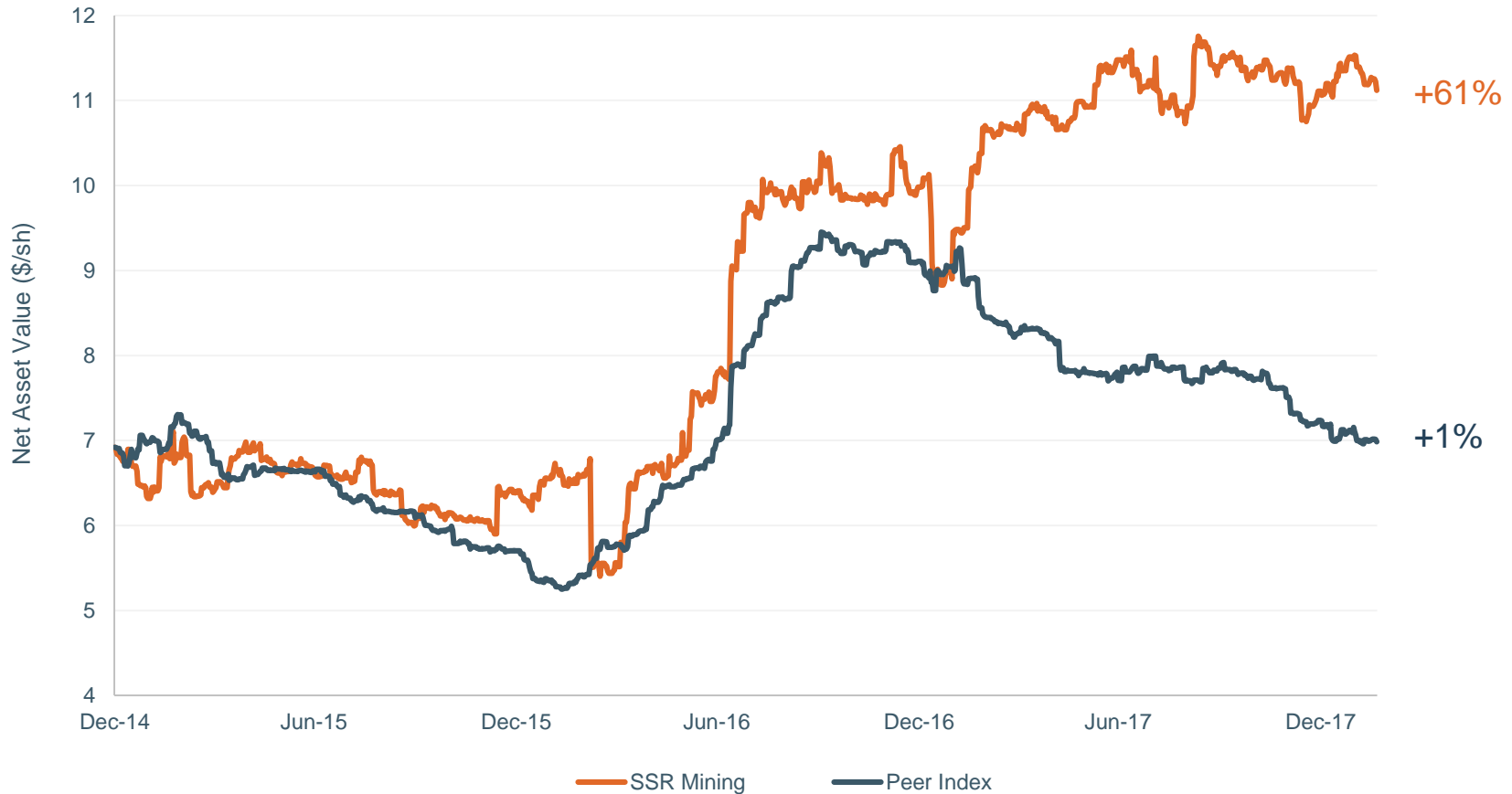
Note: SSR Mining's cash and cash equivalents as per financial statements as at each respective quarterly date.

⑤ Leveraged to Gold with Attractive Trading Liquidity



Notes: "Beta to gold price" represents "raw beta" calculated on weekly returns versus a spot gold price index from January 1, 2015 to February 20, 2018. Daily volume based on combined trading volumes from primary and secondary exchanges as applicable, from January 1, 2015 to February 20, 2018. Source: Bloomberg, Capital IQ

⑥ Track Record of Creating Net Asset Value Per Share



Creating Value Operational Excellence and disciplined M+A are key differentiators

Notes: Peer index represents an equal weighted index, indexed to SSR Mining NAV per share beginning December 31, 2014 and ending February 20, 2018; peer index includes Coeur, Hecla, Tahoe Resources, OceanaGold, Torex Gold, New Gold, B2 Gold, Detour Gold, Eldorado Gold, Klondex, Fortuna. McEwen Mining data not available for inclusion in peer index as of February 20, 2018. Source: Capital IQ



MARIGOLD MINE UPDATE

GROWTH IN NEVADA



Marigold: Operating Outlook



	2018	2019	2020	2021
Gold production (Koz)	190 – 210	225 – 235	205 – 215	230 – 240
Cash costs (\$/oz)	\$725 – \$775	\$740 – \$790	\$660 – \$710	\$550 – \$600
Capital investment (\$M)	\$57	\$25	\$20	\$25
Capitalized deferred stripping (\$M)	\$15	\$15	\$30	\$70

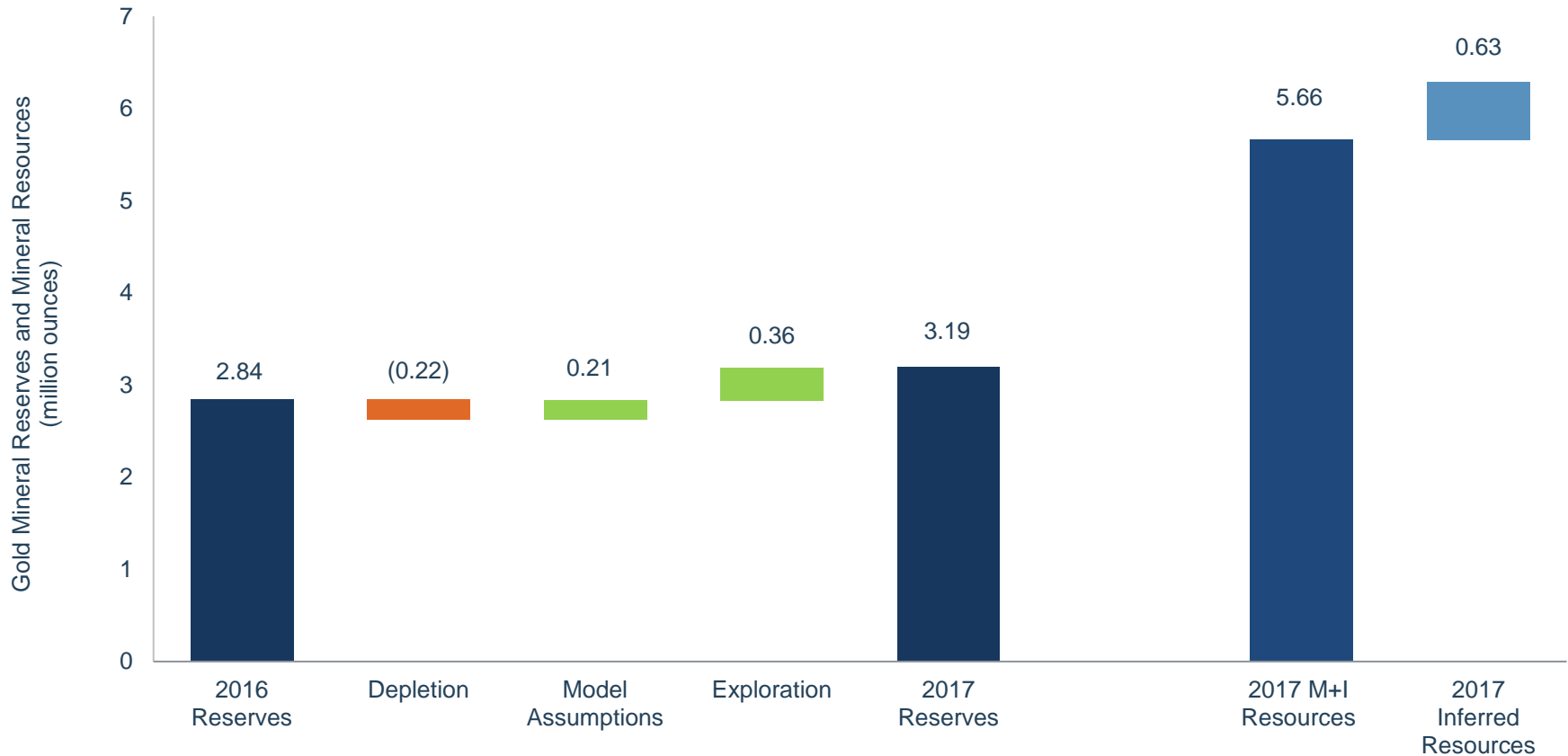
Expanding Margins

Forecast avg. annual production up by 35K oz Au at reduced cash costs

Notes: All 2018 data reflects 2018 guidance as reported in our news release dated January 15, 2018. 2018 capital investment also includes the expected purchase of four 300 tonne class haul trucks at a cost of \$22 million for expected service in the third quarter of 2018, as announced in our news release dated February 22, 2018. Production and cash costs for each of the 2019-2021 periods is based on the Marigold Five-Year Outlook as reported in our news release dated September 15, 2016. Elevated deferred stripping activity in 2020 and 2021 relates to stripping further phases of the mine plan that is expected to benefit future periods and support mine life extension. Please refer to our news release dated September 15, 2016. Cash costs is a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

Marigold Mineral Reserves and Resources Increased Y-o-Y

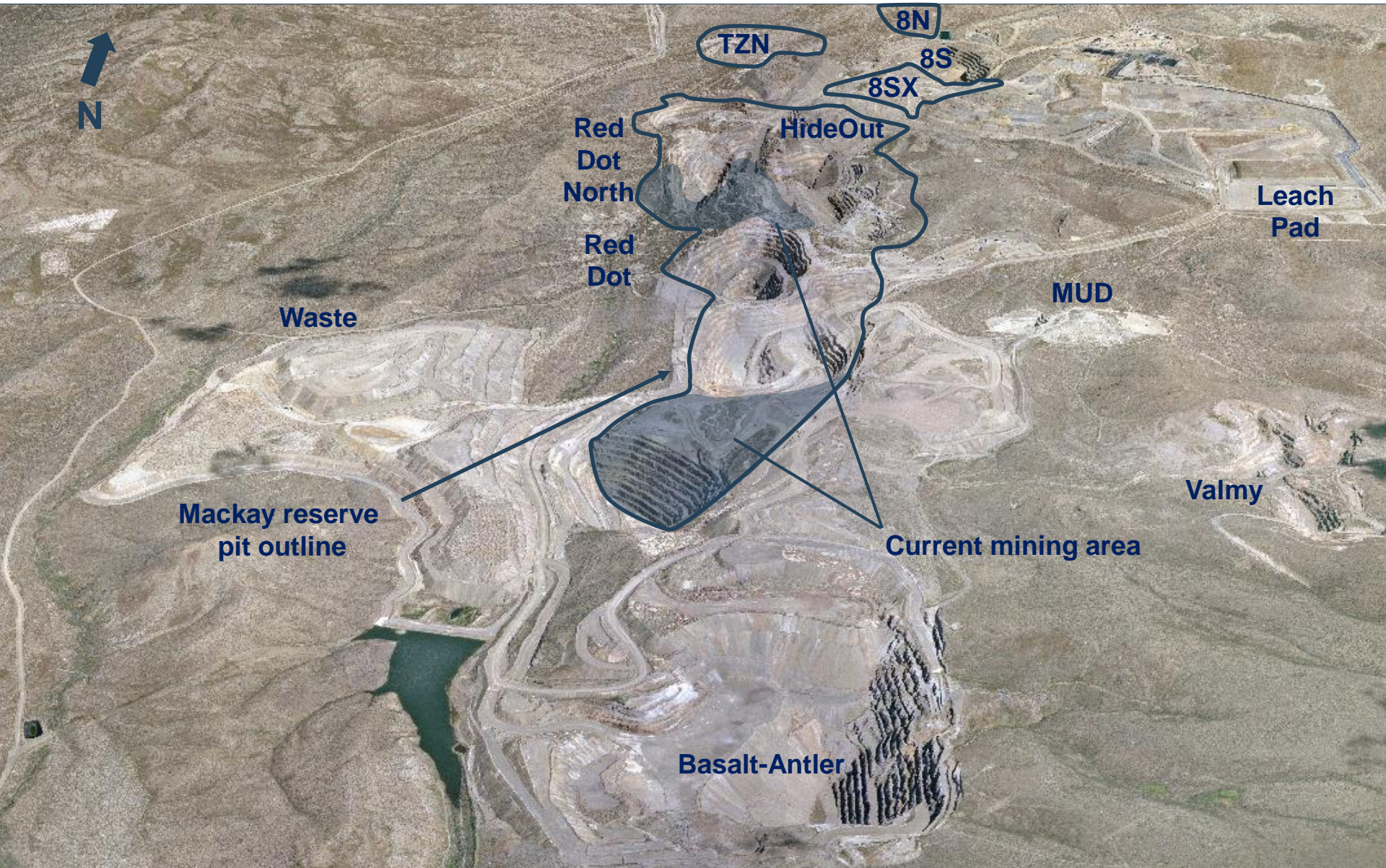
Mineral Reserves gold grade increased to 0.46 g/t



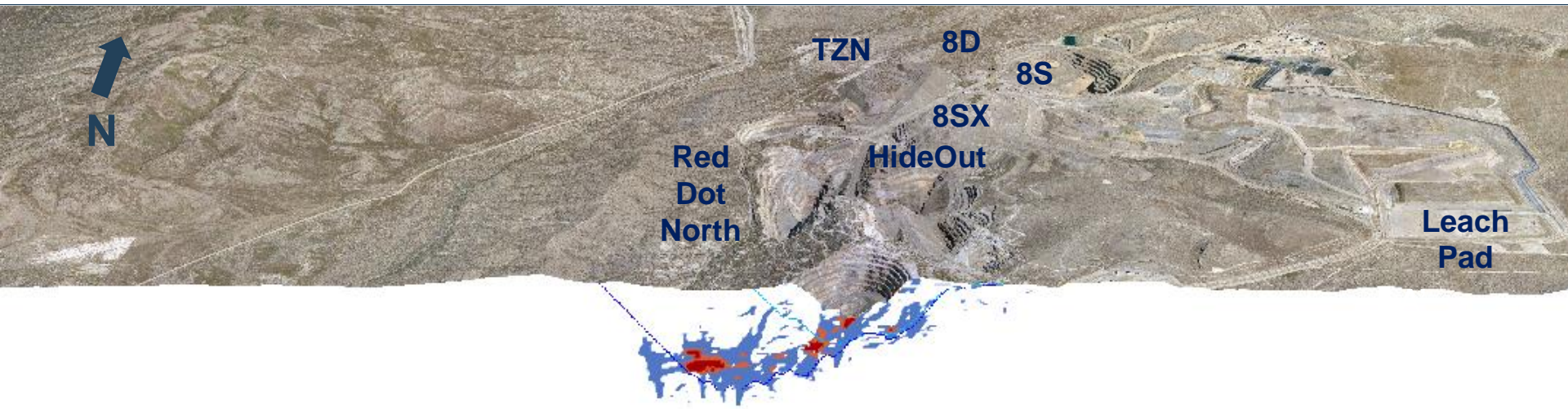
Notes: Mineral Reserves are based on \$1,250/oz gold price assumption. Mineral Reserves include 0.19 million ounces of leach pad inventory. Gold Probable Mineral Reserves have a grade of 0.46 g/t. Mineral Reserves figures have some rounding applied, and thus totals may not sum exactly. Please refer to "Cautionary Notes" in this presentation and the notes to our 2017 Mineral Reserves and Mineral Resources table on our website at www.ssrmining.com.

Notes: Measured and Indicated Mineral Resources are inclusive of Mineral Reserves. Mineral Resources include 0.19 million ounces of leach pad inventory. Mineral Resources are based on \$1,400/oz gold price assumption. Gold Measured and Indicated Mineral Resources have a grade of 0.46 g/t. Inferred Mineral Resources have a grade of 0.41 g/t. 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 2017 Mineral Reserves and Mineral Resources table on our website at www.ssrmining.com.

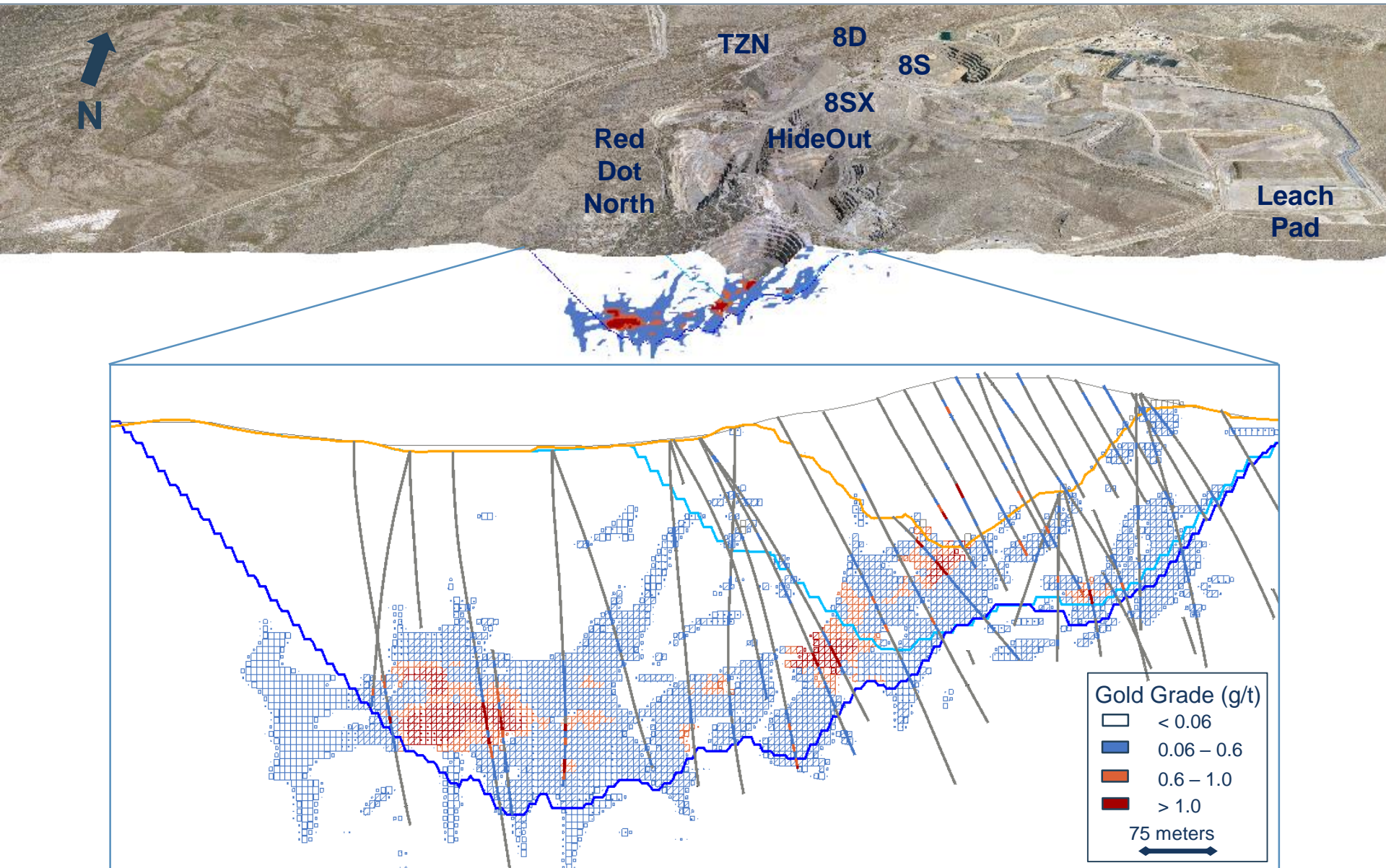
Marigold: Exploration Success and Resource Conversion



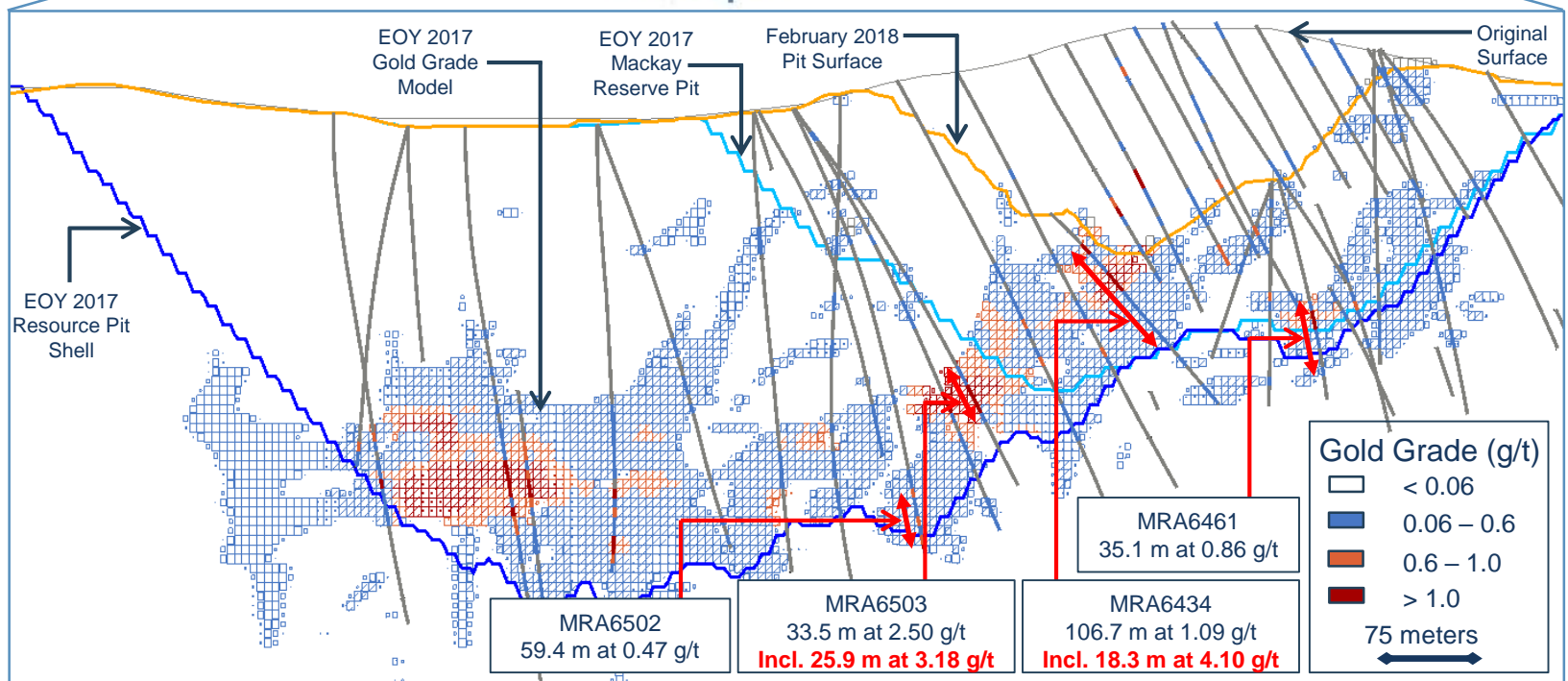
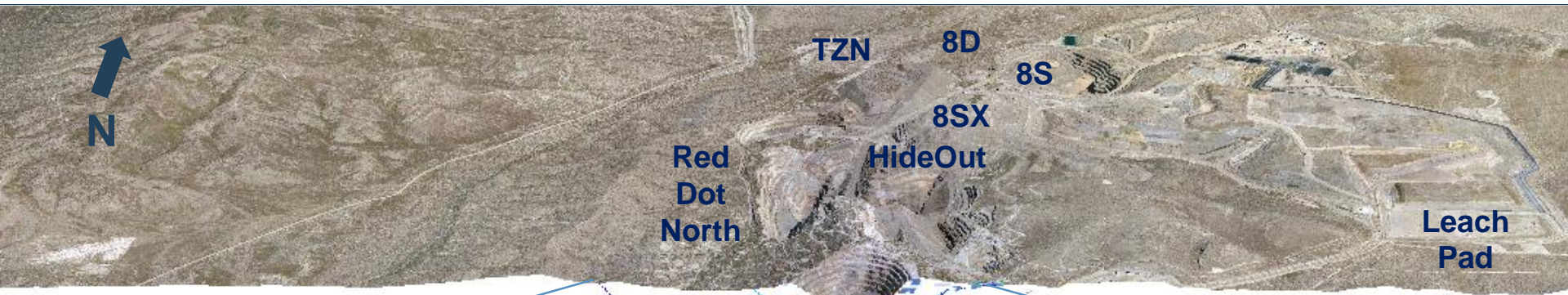
Marigold: Exploration Success and Resource Conversion



Marigold: Exploration Success and Resource Conversion



Marigold: Exploration Success and Resource Conversion



Marigold: Equipment Replacement Study

In 2019, evaluate mine fleet investment plan



- **Scenario A:** Replace existing mine fleet with like-for-like equipment consistent with current life of mine plan
- **Scenario B:** Expand mine fleet with additional rope shovel, haul trucks and related support gear potentially lowering mining costs to 'enable' Red Dot deposit
- The following table outlines the targeted equipment replacement study tradeoff parameters to be evaluated in 2019

		Scenario A	Scenario B
Material Movement	Mtpa	80	+110
Life of Mine	years	~10	+15
Gold Production	oz/yr	~220,000	+300,000
Mining Cost	\$/tonne	~\$1.50	<\$1.30
Mine Fleet Investment Plan	--	Replace with like-for-like equipment	Add rope shovel, trucks and support gear
Investment Capex	\$M	LOMP	LOMP + ~\$100

Notes: Equipment replacement study tradeoff parameters are targets only and do not reflect actual results or demonstrate actual economic viability. There is no certainty that such parameters will be reflected in the Marigold mine equipment replacement study or that the results of such study will be realized by us. Please see "Cautionary Notes" in this presentation.

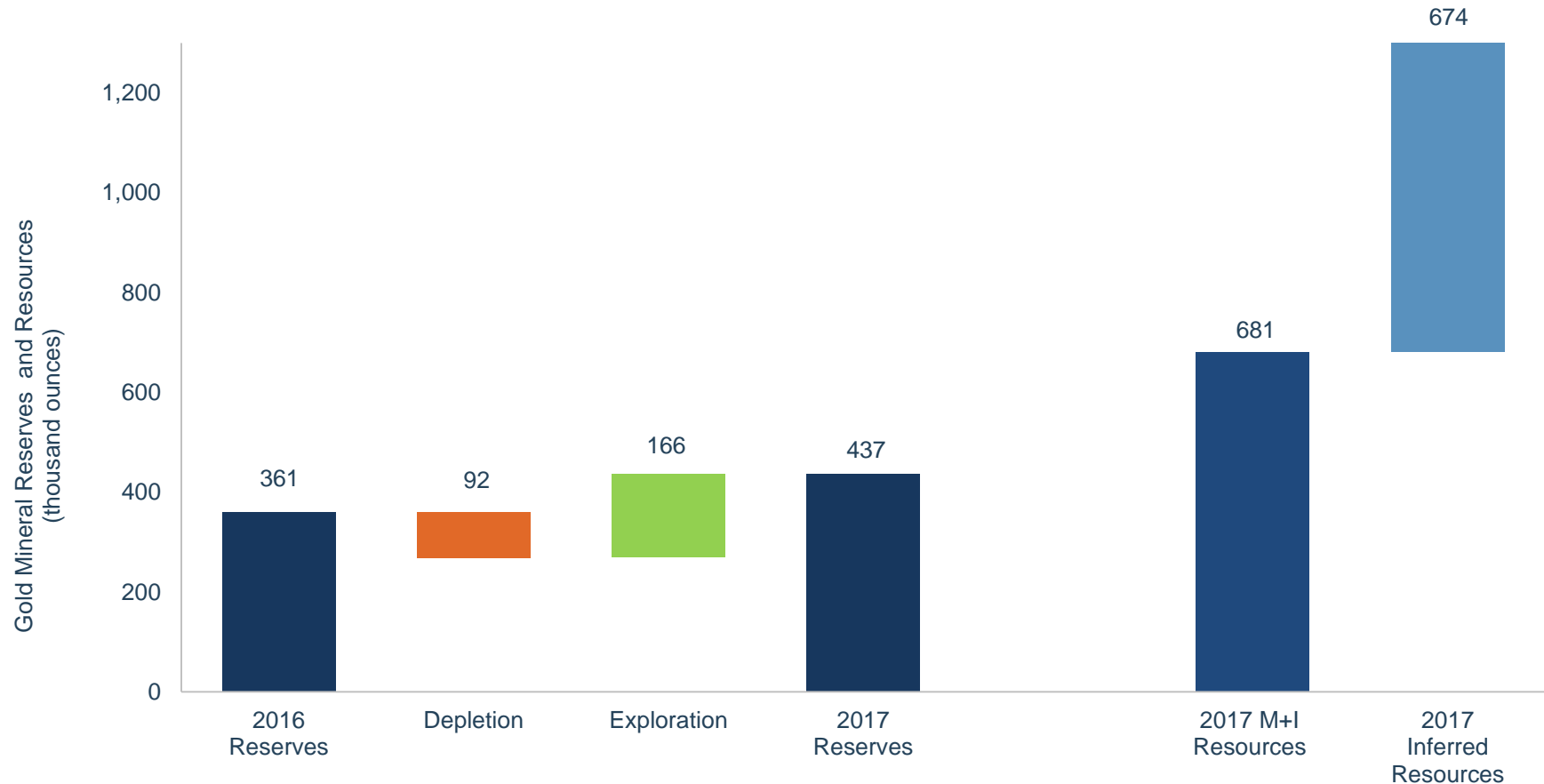


SEABEE GOLD OPERATION UPDATE

HIGH GRADE GOLD MINE

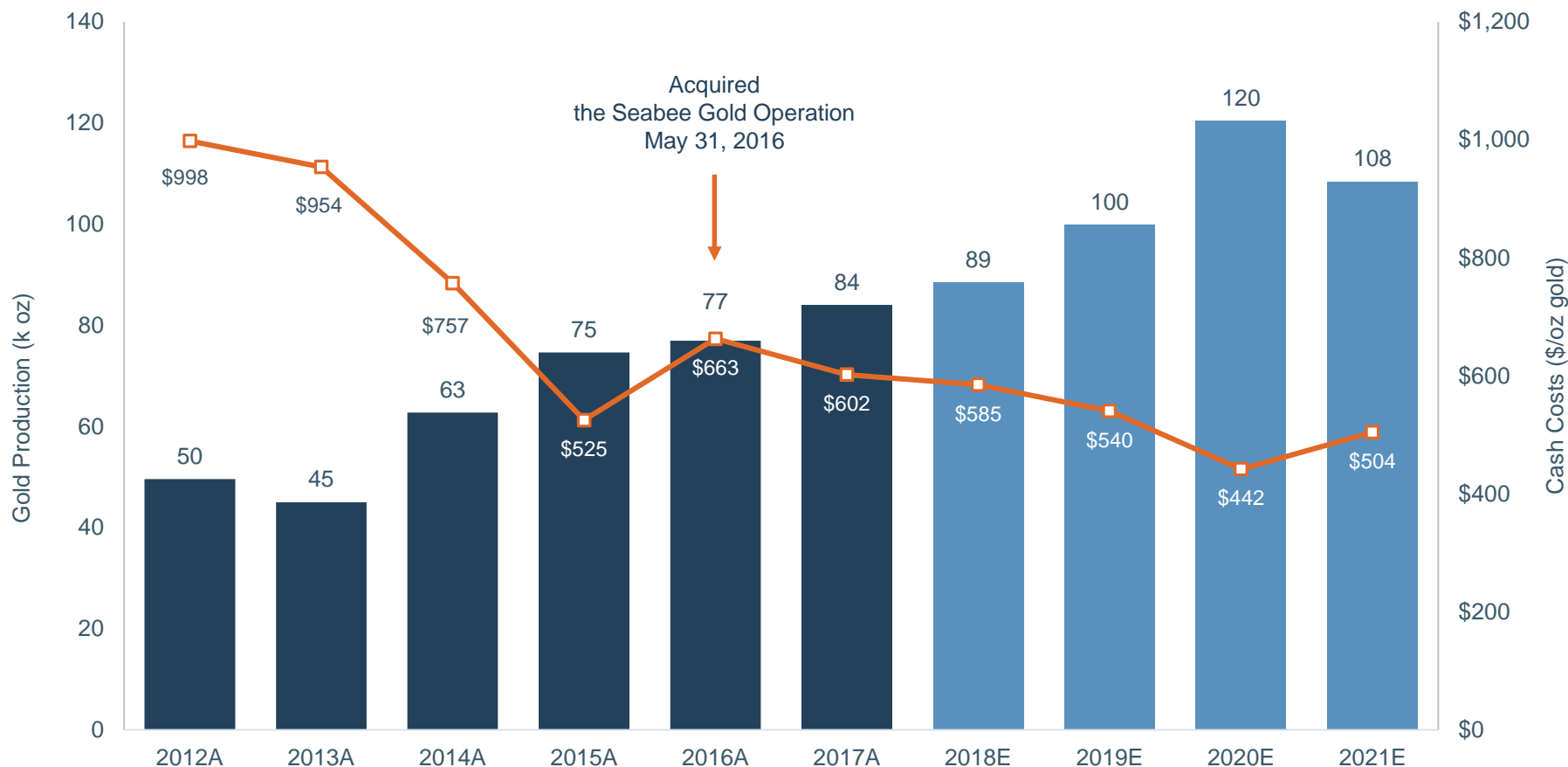
Seabee Mineral Reserves and Resources Increased Y-o-Y

Mineral Reserves gold grade increased to 9.9 g/t



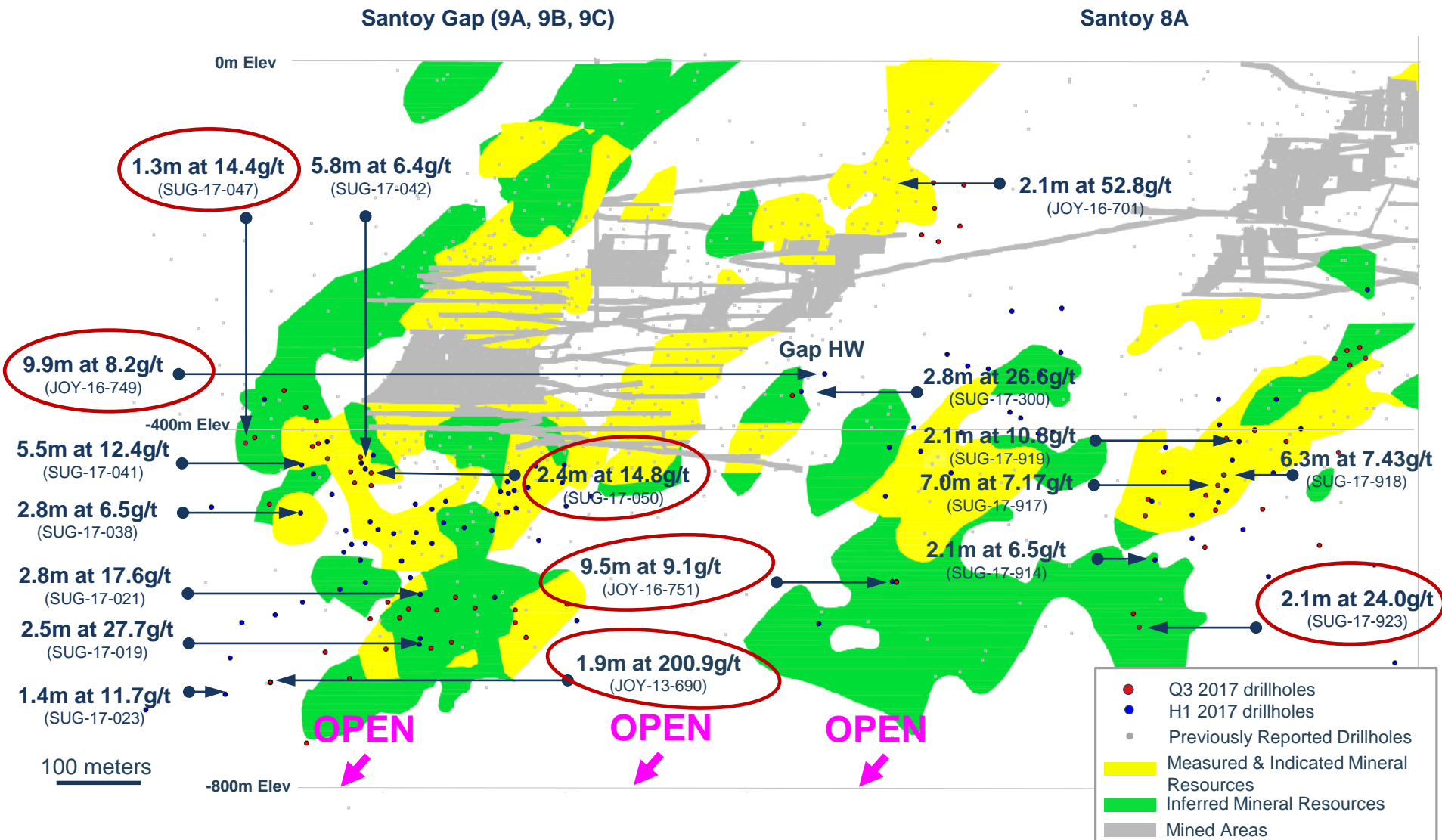
Notes: Mineral Reserves are based on \$1,250/oz gold price assumption. Gold Proven and Probable Mineral Reserves have a grade of 9.88 g/t. Measured and Indicated Mineral Resources are inclusive of Mineral Reserves. Mineral Resources are based on \$1,400/oz gold price assumption. Gold Measured and Indicated Mineral Resources have a grade of 10.74 g/t. Inferred Mineral Resources have a grade of 9.29 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 2017 Mineral Reserves and Mineral Resources table on our website at www.ssrmining.com.

Increasing Production at Lower Costs



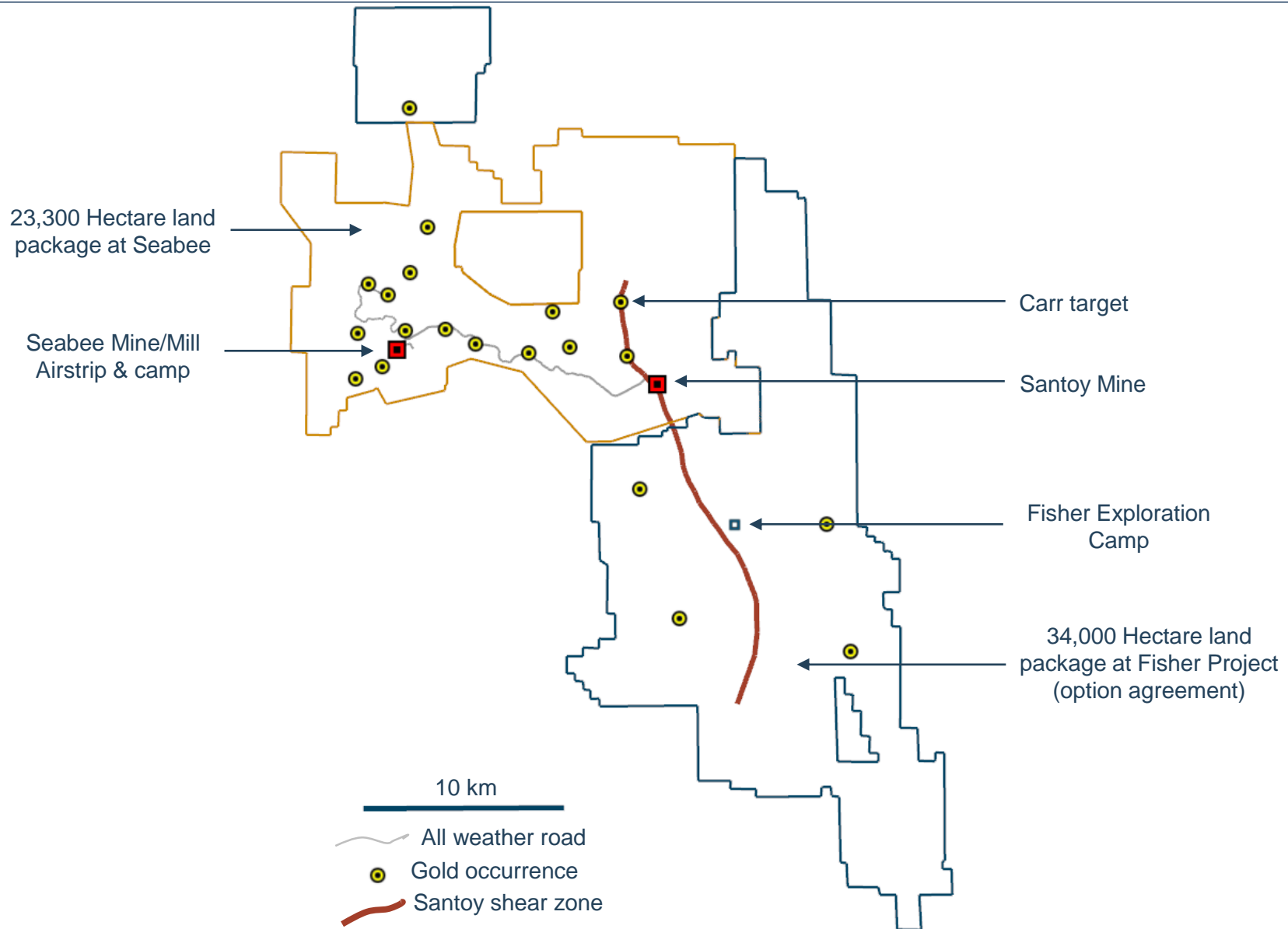
Notes: Production and cash costs for 2017 reflect actual production and cash costs as reported in our news release dated February 22, 2018. Production and cash costs for each of the 2018-2021 periods is based on the Seabee Gold Operation PEA as reported in our news release dated September 7, 2017. The Seabee Gold Operation 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 Seabee Gold Operation PEA will be realized. Cash costs is a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

Year End 2017 Santoy Mineral Resources



Notes: Measured and Indicated Mineral Resources are inclusive of Mineral Reserves. Please refer to our news releases dated February 23, 2017, May 1, 2017 and September 5, 2017, and exploration results reported by Claude Resources in its news release dated May 22, 2013 for further details. See also "Cautionary Notes" and "Reserves & Resources: Notes to Tables" in this presentation.

Large, Contiguous Land Package





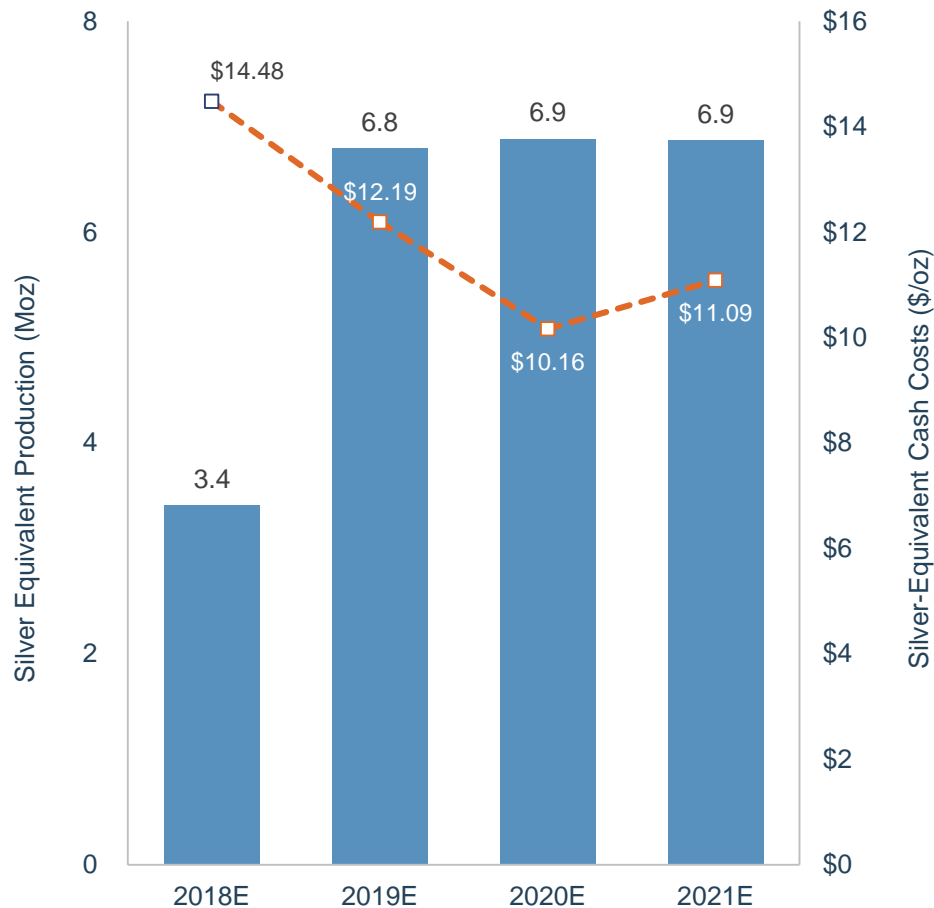
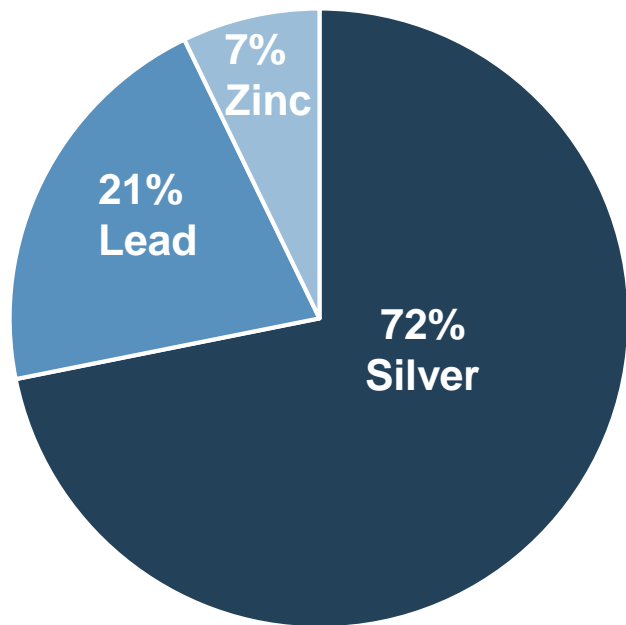
PUNA OPERATIONS UPDATE

LARGE-SCALE SILVER PRODUCER



Puna Operations: Near-Term Production Growth by 2019

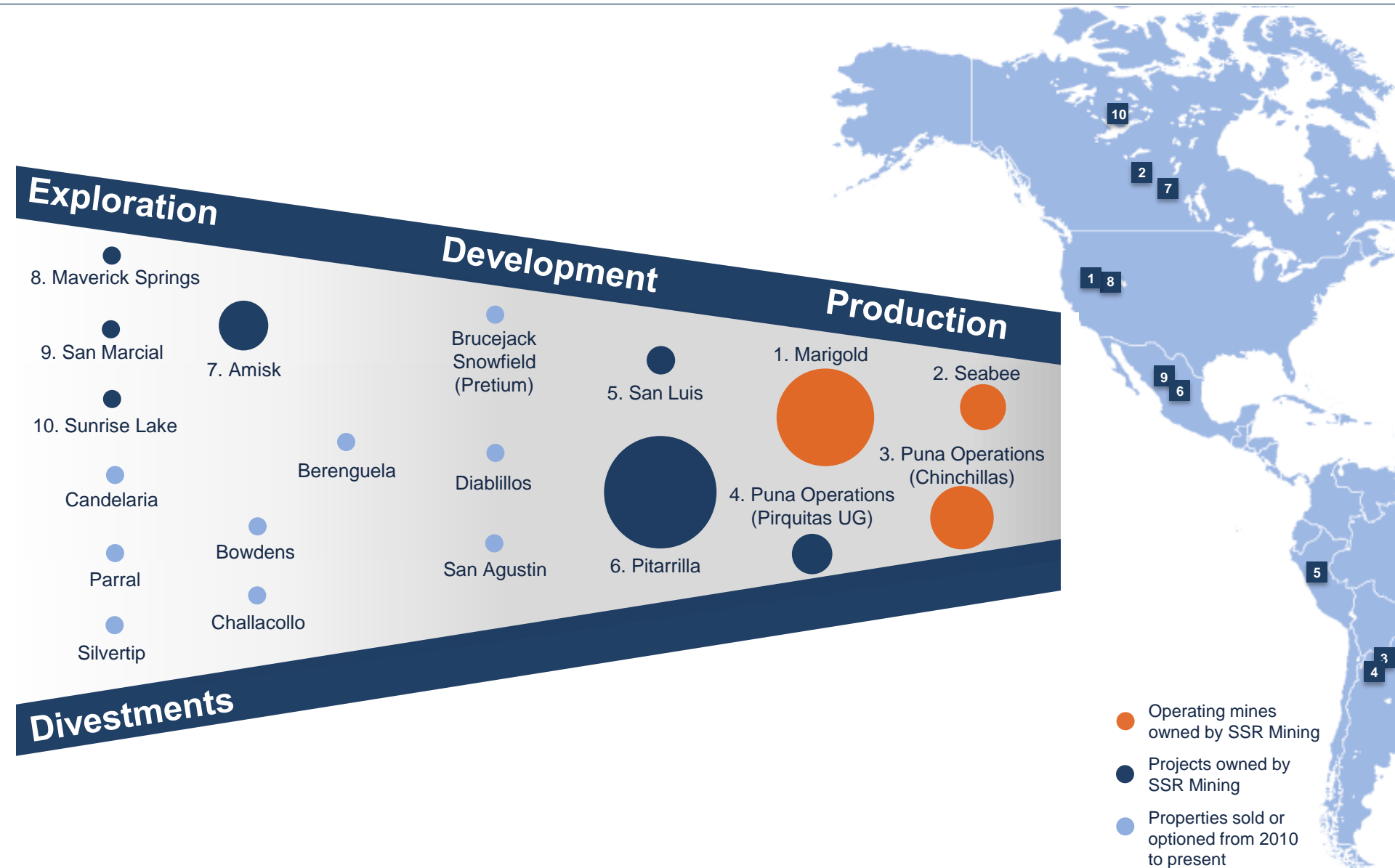
Significant LOM silver exposure and base metals by-product credit



Notes: Production and cash costs for 2018 reflect the mid-point of 2018 guidance as reported in our news release dated January 15, 2018, and are presented on an attributable co-product basis. Production and cash costs for each of the 2019-2021 periods is based on the Puna Operations PFS as reported in our news release dated May 31, 2017. Production is reported on a 75% basis. Silver-equivalent production calculated using Mineral Reserve prices for 2018-2021. Cash costs is a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.

Portfolio Rationalization

Maximizing value of portfolio with property sales



Production and Free Cash Flow Growth

- Met or exceeded production guidance six consecutive years
- Production growth to +410,000 oz AuEq by 2021
- First ore production at Chinchillas H2 2018

Near-term Investment Catalysts

- Ramp up at Seabee to 1,050 tpd in 2019
- Marigold equipment replacement study 2019
- Pirquitas underground study in 2018

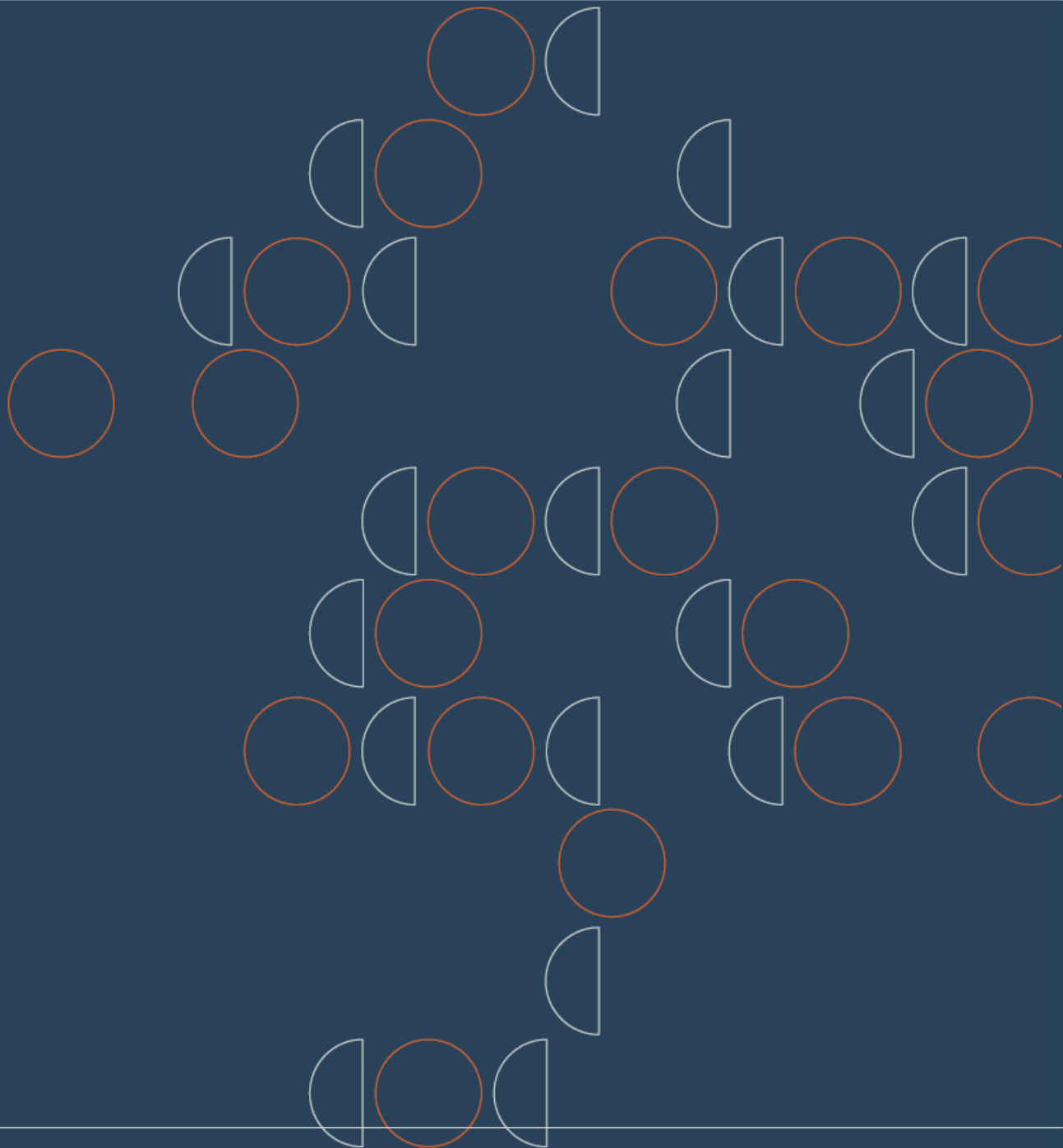
Strong Financial Position

- Strong liquidity position with \$460M of cash
- Track record of disciplined capital allocation

Exploration Upside

- Mineral Reserves and Resources updated Q1 2018
- Drilling at Marigold and Seabee underway
- SIB and Perdito projects

Notes: Cash and cash equivalents as of December 31, 2017. Please also 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
