

2014 ANNUAL AND SPECIAL MEETING

May 9, 2014



2014 Annual and Special Meeting of Shareholders of Silver Standard Resources Inc. is in progress

SILVER STANDARD

Cautionary Notes

Cautionary Note Regarding Forward-Looking Statements

This presentation contains "forward-looking statements" within the meaning of the U.S. Private Securities Litigation Reform Act of 1995 and "forward-looking information" within the meaning of Canadian securities laws (collectively, "forward-looking statements") concerning the anticipated developments in our operations in future periods, our planned exploration activities, the adequacy of our financial resources, the Marigold mine acquisition and other events or conditions that may occur or exist in the future. These statements relate to analyses and other information that are based on forecasts of future results, estimates of amounts not yet determinable and assumptions of management.

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. These forward-looking statements are subject to a variety of risks, uncertainties and other factors that could cause actual events or results to differ from those expressed or implied, including, without limitation, risks and uncertainties related to: production, development plans and cost estimates for our material properties; future exploration and development; Mineral Reserves and Mineral Resources estimates and our ability to extract mineralization profitably and replace our Mineral Reserves; our ability to successfully integrate the Marigold mine acquisition; our ability to obtain adequate financing; commodity price fluctuations; political or economic instability and unexpected regulatory changes; currency fluctuations; the recoverability of our interest in Pretium Resources Inc. and our other marketable securities; counterparty and market risks related to the sale of our concentrates and metals; governmental regulations, including health, safety and environmental regulations, 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 mine property that are beyond our control; compliance with anti-corruption laws and increased regulatory compliance costs; title to our mineral properties and the surface rights thereon; recoverability of deferred consideration to be received in connection with recent divestitures; operational safety and security; our ability to access, when required, mining equipment and services; competition in the mining industry for properties; our ability to attract and retain qualified personnel and management and potential labour unrest; shortage or poor quality of equipment or supplies; claims and legal proceedings, including adverse rulings in current or future litigation, and assessments; the terms of our outstanding convertible notes; and those other various risks and uncertainties identified under the heading "Risk Factors" in our most recent Form 40-F and Annual Information Form filed with the U.S. Securities and Exchange Commission (the "SEC") and Canadian securities regulatory authorities.

Our forward-looking statements are based on what our management currently considers to be reasonable assumptions, beliefs, expectations and opinions and we cannot assure you that actual events, performance or results will be consistent with these forward-looking statements. Assumptions have been made regarding, among other things: our ability to carry on our exploration and development activities; the discovery of Mineral Reserves and Mineral Resources on our mineral properties; the timely receipt of required approvals and permits; the price of the metals 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 Pirquitas mine and the Marigold mine; and those other assumptions identified under the heading "Introductory Notes – Cautionary Notice Regarding Forward-Looking Statements" in our most recent Form 40-F and Annual Information Form. Our forward-looking statements reflect current expectations regarding future events and operating performance 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.

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 cost of inventory, cash costs and total costs per payable ounce of silver or gold sold and adjusted net income (loss) and adjusted basic earnings (loss) per share. 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.

What sets Silver Standard apart

SILVER STANDARD



people



assets



capital

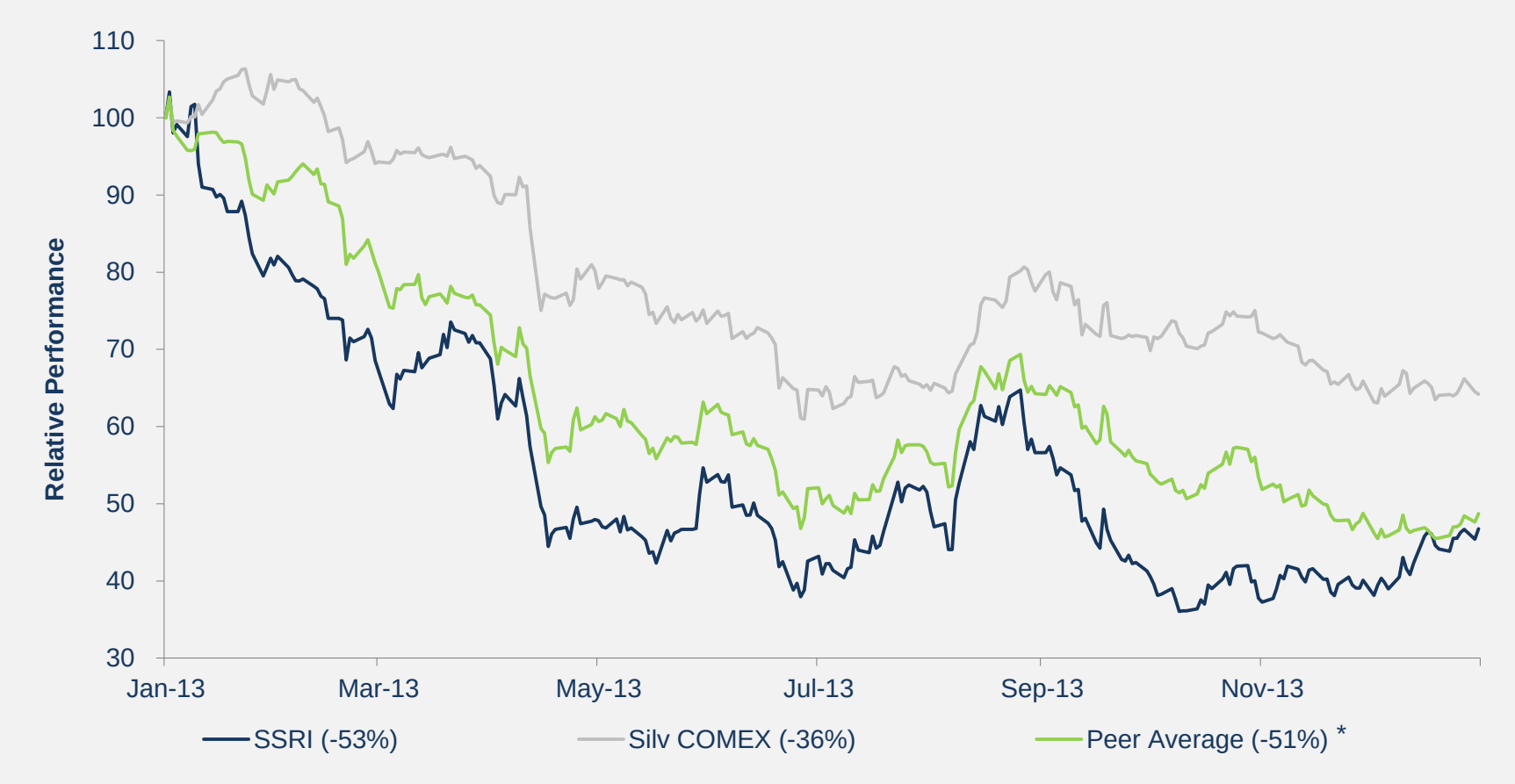
elements for growth

SHARE PRICE PERFORMANCE



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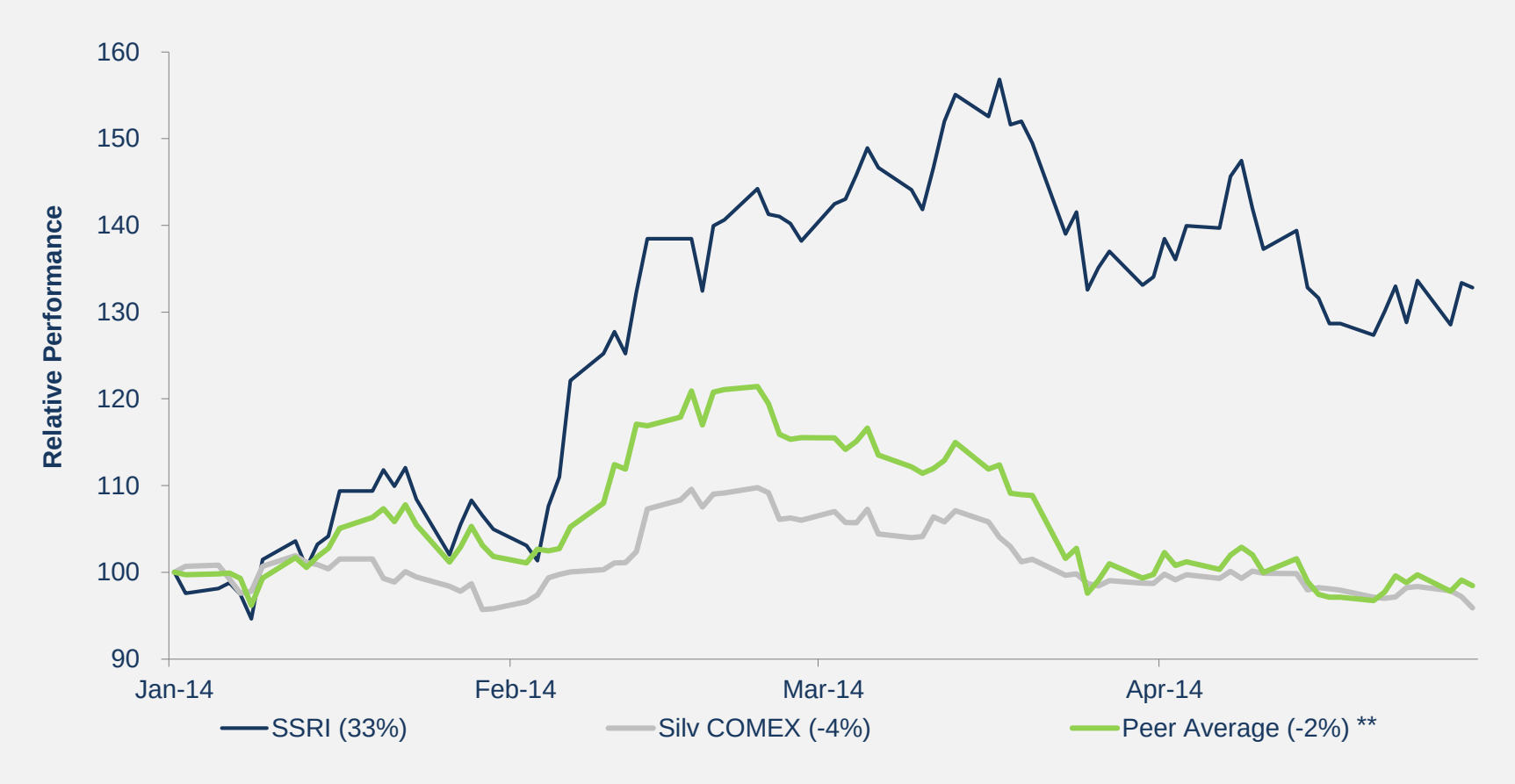
Share Price Performance: FY 2013



Annual SSRI performance in line with peers

* Peer average includes: PAAS, CDE, HL, HOC, SLW, SVM.

Share Price Performance: YTD 2014 *



In 2014 SSRI is significantly outperforming peers

* Relative performance is for the period January 1 to April 30, 2014. ** Peer average includes: PAAS, CDE, HL, HOC, SLW, SVM.

PEOPLE



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Our Safety and People: Key to Our Success

- Safety performance improved in 2013
  - Reduced workplace injuries by 25%
- Enhanced technical skills through recruitment
- Improves capacity by adding the Marigold team
- Company-wide restructuring program



Committed to safe production

Strong Technical and Commercial Experience

Board of Directors



Peter Tomsett
Chairman



Michael Anglin



Richard Campbell



Gustavo Herrero



Richard Paterson



Steven Reid

Management Team



John Smith
President, CEO and Director



Gregory Martin
SVP and Chief Financial Officer



Alan Pangbourne
SVP, Projects



John DeCooman
VP, Business Development and Strategy



Andrew Sharp
VP, Technical Services



Ed Kirwan
VP, Environment and Community Relations



Kelly Stark-Anderson
VP, Legal and Corporate Secretary

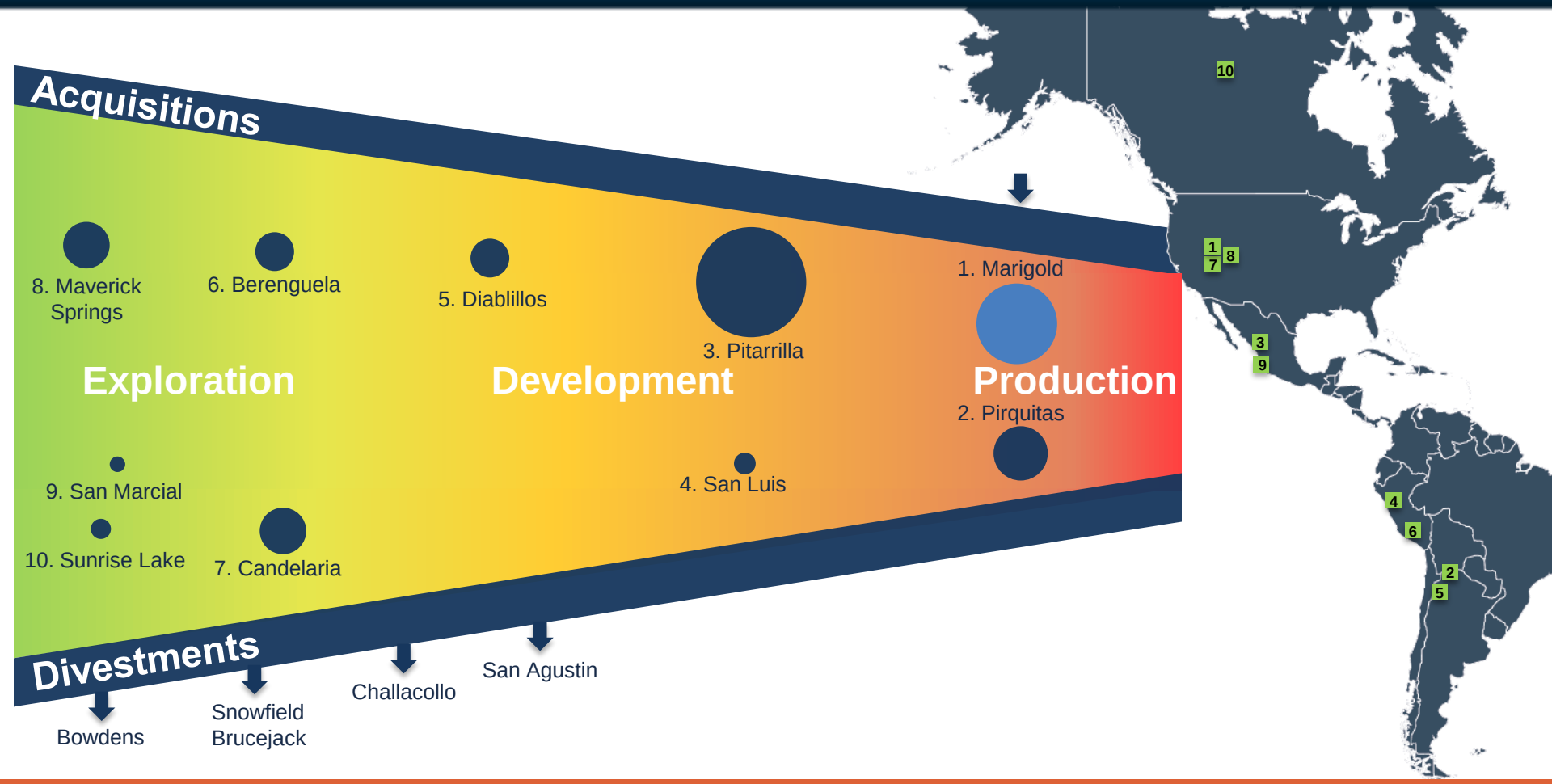


Bruce Huber
VP, Health and Safety

ASSETS



Our Business Portfolio



Balanced growth portfolio

PIRQUITAS – 2013 in Review

- Optimizing mine and plant processes
- Realized cost savings and beat guidance
- Produced 8.2M oz of silver
- Produced record 27M lbs of zinc
- Focused on operational excellence



MARIGOLD – Upgrades our Portfolio

- Improves operating and political risk profile
- Generates immediate operating cash flow
- Leverages open-pit operating capabilities
- Adds strong technical and operating team
- Maintains financial capacity for internal growth



2014 Guidance

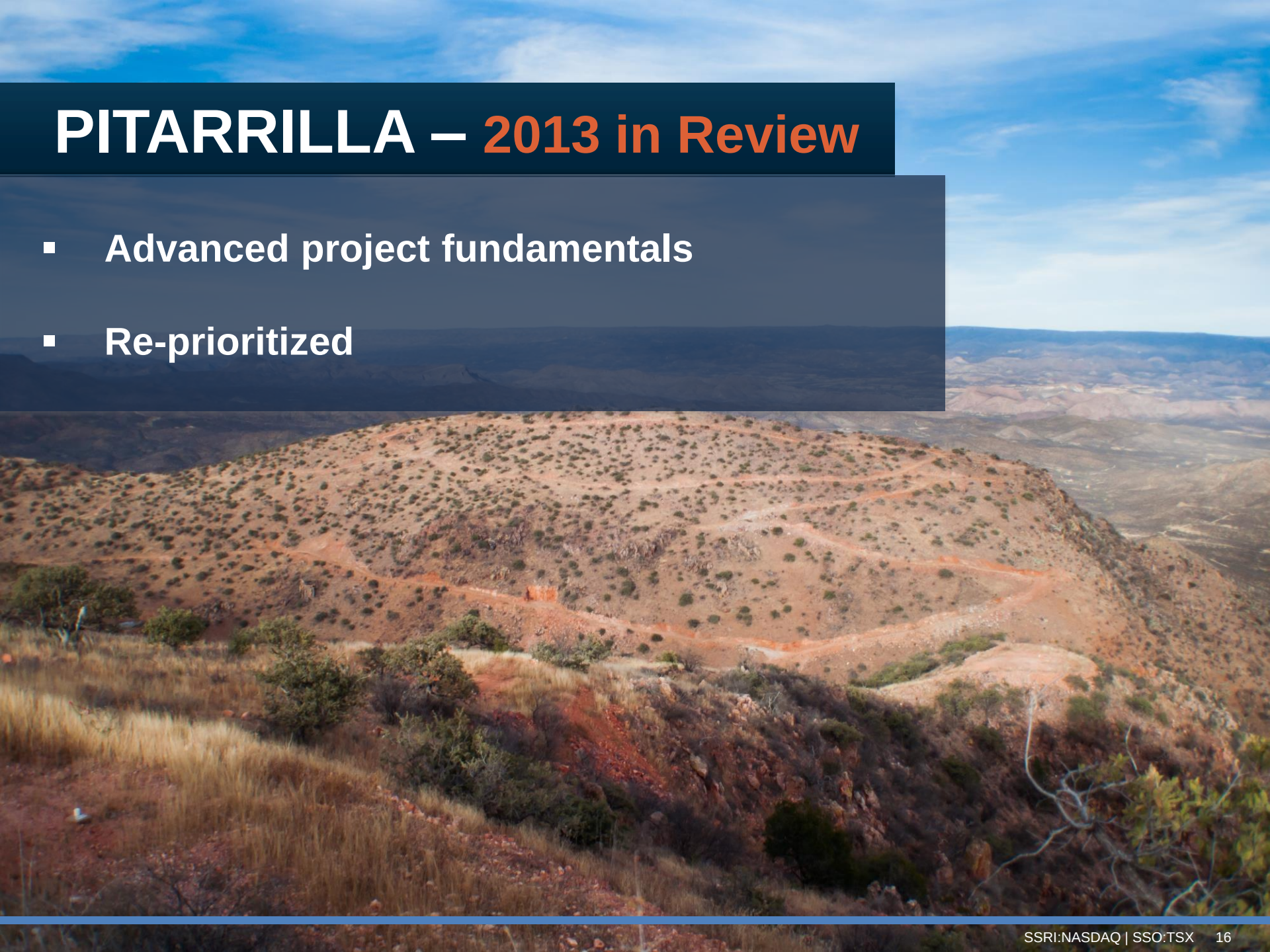
	Pirquitas	Marigold
Silver and Gold production	**8.2 – 8.6Mozs Ag**	**105,000 – 115,000ozs Au**
Zinc production	**25 – 30Mlbs**	
Cash costs per payable ounce sold*	**$12.50 – $13.50/oz Ag**	**$1,000 – $1,100/oz Au**



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

PITARRILLA – 2013 in Review

- Advanced project fundamentals
- Re-prioritized



SAN LUIS – 2013 in Review

- Cochabamba community agreement signed
- Ecash community agreement pursued
- Exploration work at the Bonita Zone underway



EXPLORATION – Organic Growth

- Delivered value through project portfolio
- Advancing exploration opportunities



CAPITAL



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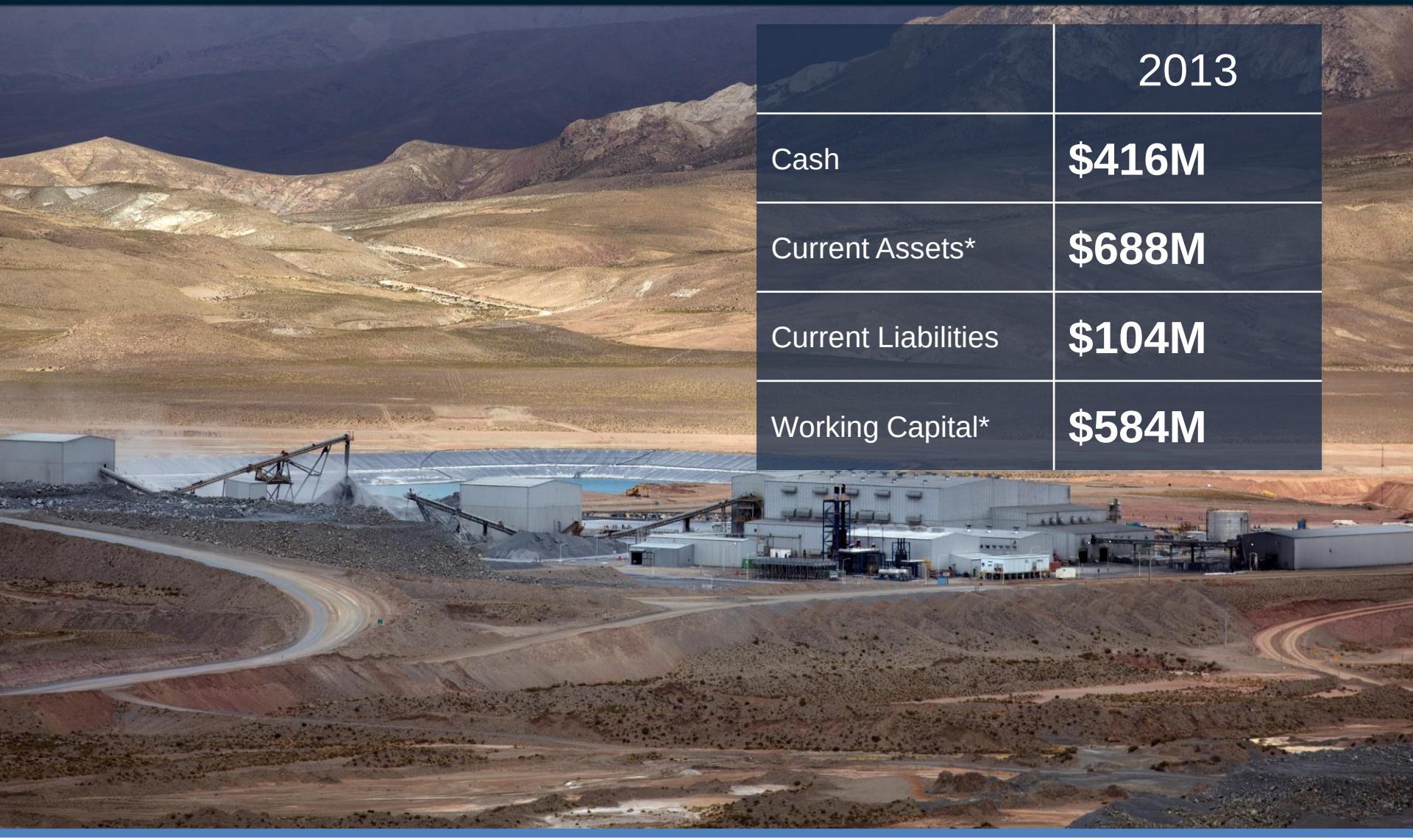
Cash Costs: Lowered cost profile



Note: Cash costs are a non-GAAP financial measure. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation. Information has been restated as discussed in section 14 of our Management's Discussion and Analysis for the year ended December 31, 2013.

Financial Strength to Fund Growth

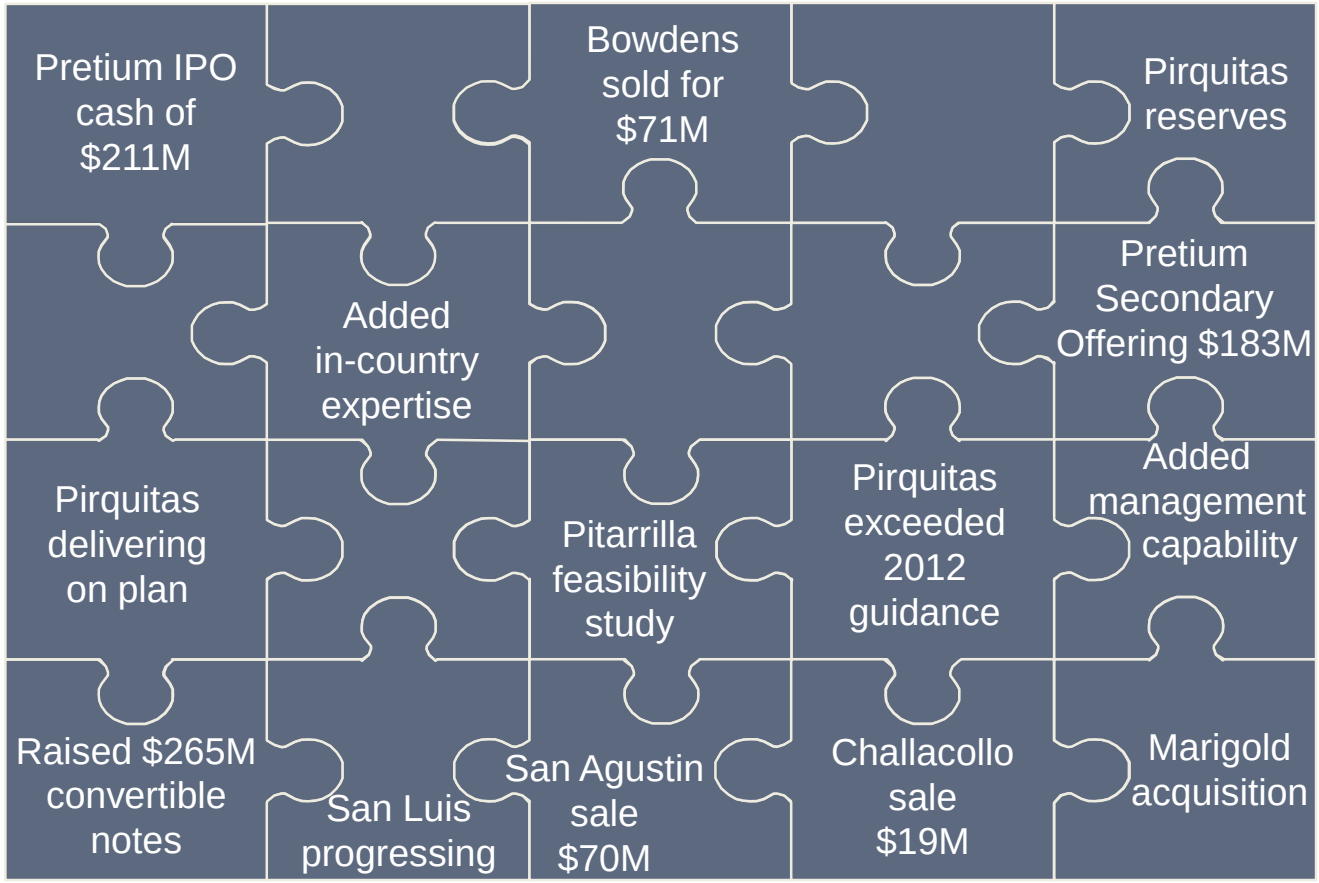
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	2013
Cash	**$416M**
Current Assets*	**$688M**
Current Liabilities	**$104M**
Working Capital*	**$584M**

* Inclusive of Pretium Resources Inc. investment of $97.8 million and Argonaut Gold Inc. investment of $25.6 million as of December 31, 2013.

Building Strength: Achievements 2010 – 2014



Positioned in 2014 with people, capital & assets

2014 GOALS



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Safe Production at Lowest Cost

- Successfully integrate and optimize Marigold
- Advance operational excellence at Pirquitas
- Define pathways for San Luis and Pitarrilla
- Maintain strong balance sheet and cost discipline
- Focus on growth opportunities

Elements for growth



elements for growth

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