

SILVER STANDARD

Third Quarter 2010 Financial Results and Project Update

TSX: **SSO**
NASDAQ: **SSRI**

www.silverstandard.com

Forward-Looking Statements

This presentation includes certain “forward-looking statements” within the meaning of the United States Private Securities Litigation Reform Act of 1995 and forward-looking information within the meaning of Canadian securities laws (collectively, "forward-looking statements"). All statements, other than statements of historical fact, included herein, including without limitation, statements regarding potential mineralization and resources, exploration results, production, cost estimates and future plans and objectives of the Company, are forward-looking statements that involve various risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements. Our forward-looking statements are based on the beliefs, expectations and opinions of management on the date these statements are made, and we do not intend and do not assume any obligation to update any forward-looking statements, other than as required by applicable law.

For the reasons set forth above, you should not place undue reliance on forward-looking statements. See "Risks and Uncertainties" and “Risk Factors” in our most recently filed Management Discussion & Analysis and our Annual Report on Form 20-F, as amended, for the year ended December 31, 2009.

We have not independently verified the accuracy of the information regarding the mining industry and other market data set forth herein. This information is not intended to provide and should not be relied upon for accounting, legal or tax advice or investment recommendations. You should consult your own advisors as to the accounting, legal, tax, regulatory, business, financial and related aspects of making an investment in the Company.

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In this presentation, we use the terms "measured", "indicated" and "inferred" resources. U.S. investors are cautioned that, while such terms are recognized and required by Canadian securities laws, the SEC does not recognize them. Under U.S. standards, mineralization may not be classified as a "reserve" unless the determination has been made that the mineralization could be economically and legally produced or extracted at the time the reserve determination is made. U.S. investors are cautioned not to assume that all or any part of measured or indicated resources will ever be converted into reserves.

U.S. investors should also understand that "inferred resources" have a great amount of uncertainty as to their existence and as to whether they can be mined legally or economically. It cannot be assumed that all or any part of the "inferred resources" will ever be upgraded to a higher category. Therefore, U.S. investors are also cautioned not to assume that all or any part of the inferred resources exist, or that they can be mined legally or economically. Disclosure of "contained ounces" is permitted disclosure under Canadian regulations; however, the SEC only permits issuers to report "resources" as in place tonnage and grade without reference to unit measures. Accordingly, information concerning descriptions of mineralization and resources contained in this presentation, including the documents incorporated by reference therein, may not be comparable to information made public by U.S. companies subject to the reporting and disclosure requirements of the SEC.

NI 43-101 also permits an historical estimate made prior to the adoption of NI 43-101 that does not comply with NI 43-101 to be disclosed using the historical terminology if the disclosure: (a) identifies the source and date of the historical estimate; (b) comments on the relevance and reliability of the historical estimate; (c) states whether the historical estimate uses categories other than those prescribed by NI 43-101, and if so, includes an explanation of the differences; and (d) includes any more recent estimates or data available.

Q3 Highlights

- John Smith CEO effective August 6
- Pirquitas moving to design capacity
- San Luis and Pitarrilla projects being progressed
- Snowfield and Brucejack strategic transaction

Assets and Team to Deliver …



Profit & Loss – 2010 Quarter 3

	$million	EPS
2010 Qtr 3 Net Loss	**($7.5)**	**($0.19)**
Significant Items:		
• **Earnings from mine operations**	**10.0**	
• General & Admin	(4.4)	
• Stock based compensation	(2.3)	
• Interest expense	(3.4)	
• FEX translation	(3.7)	
• Taxes	(4.1)	

Cash Flow 2010 Quarter 3

		$million
Cash on hand – June 30, 2010		**$ 57.7**
Operating activities		4.9
Financing activities		0.9
Investing activities		
• Project spending	(26.4)	
• Property, Plant & Equipment	(5.1)	
• VAT recoverable	(4.8)	
• Sale of marketable securities	8.6	(27.7)
Net decrease for quarter		**(21.9)**
Cash on hand – September 30, 2010		**$ 35.8**

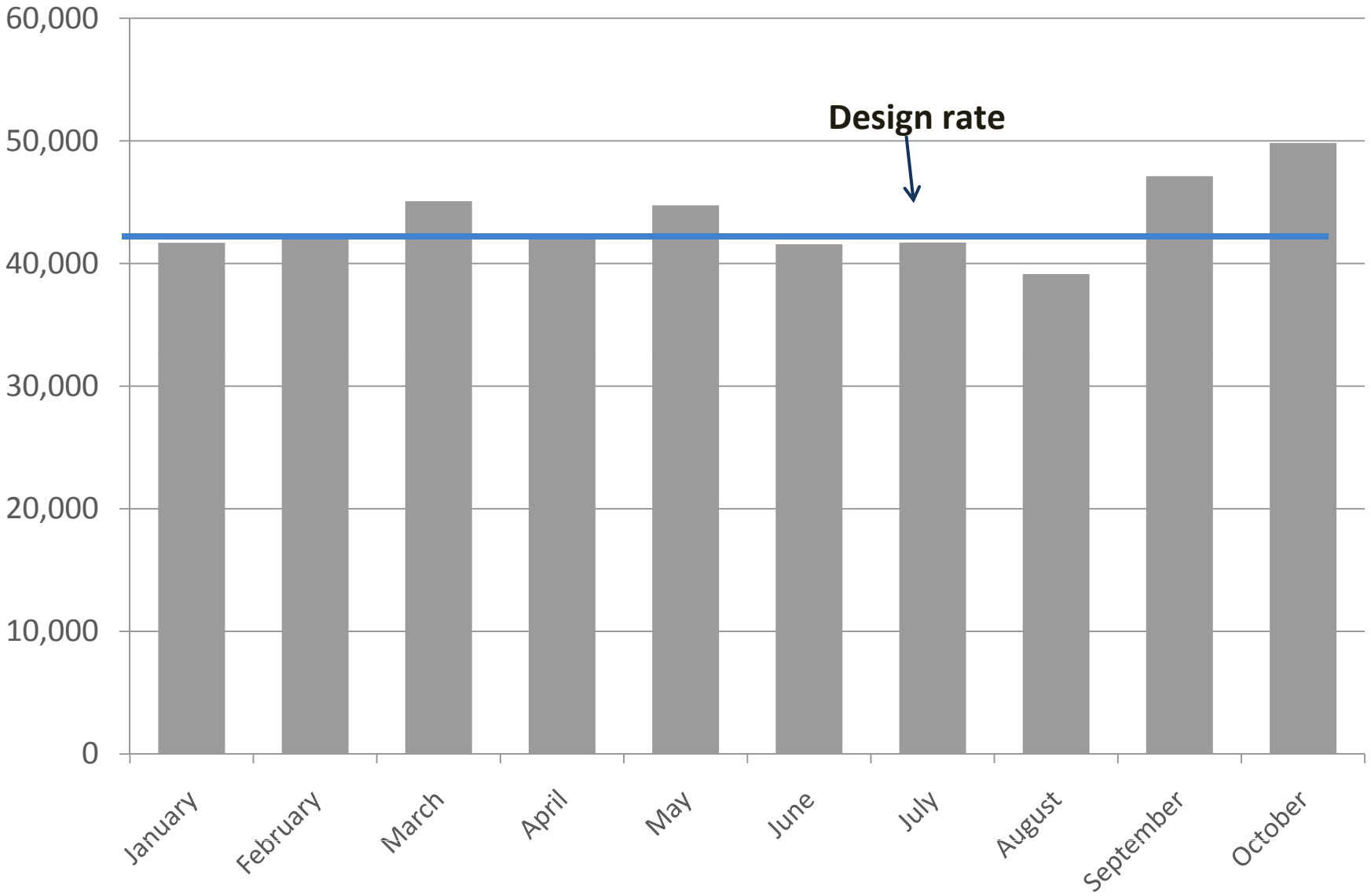
Open Pit

- Production efficiency continues to improve
- Phase 2 push back advancing on both the North and South sides of the pit
- Costs in line with expectations at just under US$2/tonne mined

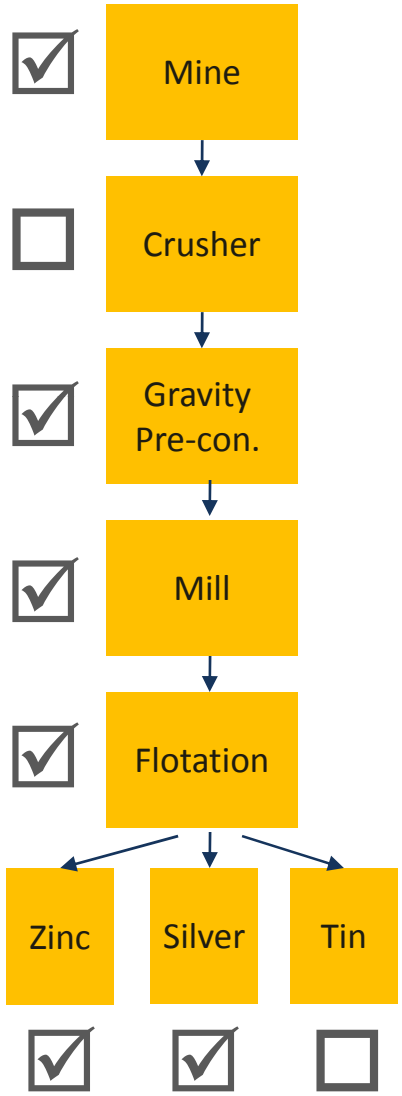




Average Daily Tonnes Mined



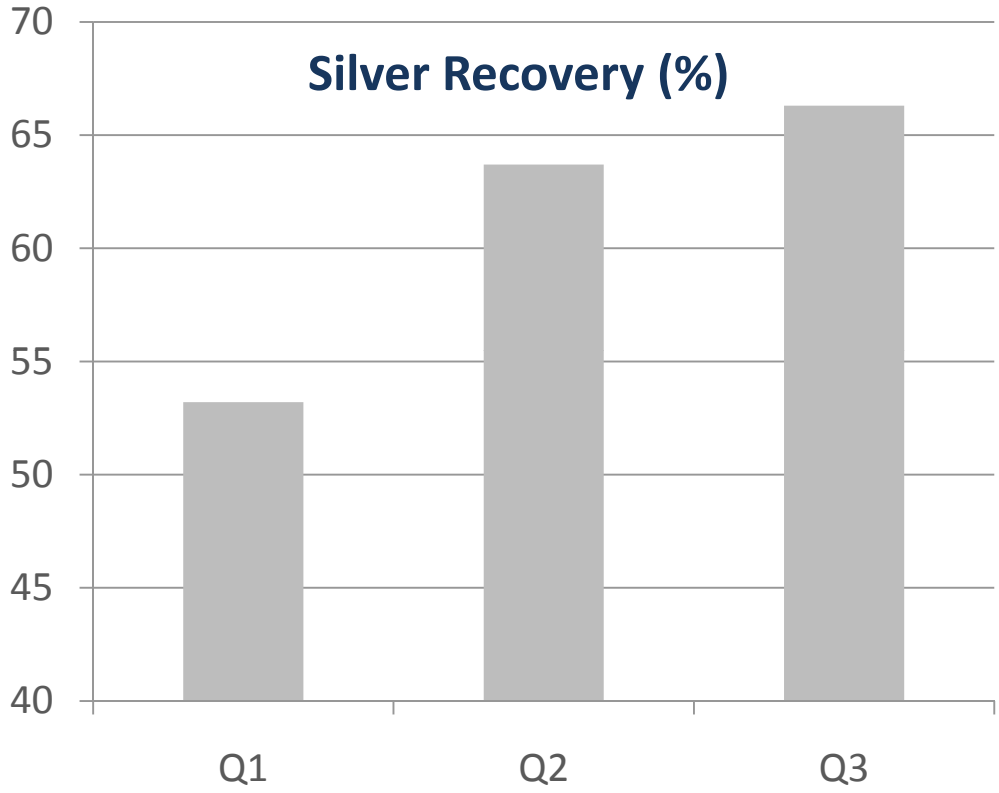
Process Facility



- Sulphide ore processing now continuous
  - Silver recovery in line with expectations
  - Gravity pre-concentration – positive
  - Separate silver and zinc concs
    - Both at feasibility levels
  - Running at rate of 2 million oz silver Q3 & expect improvement over the near term
- Focus on crushing and tin recovery
  - Crusher – temporary through-put issue
  - Tin – test-work underway to increase recovery

Ore Processing - Recovery

- Sulphide ore from the open pit is treating well – recovery and final concentrate grades for both silver and zinc consistent with feasibility

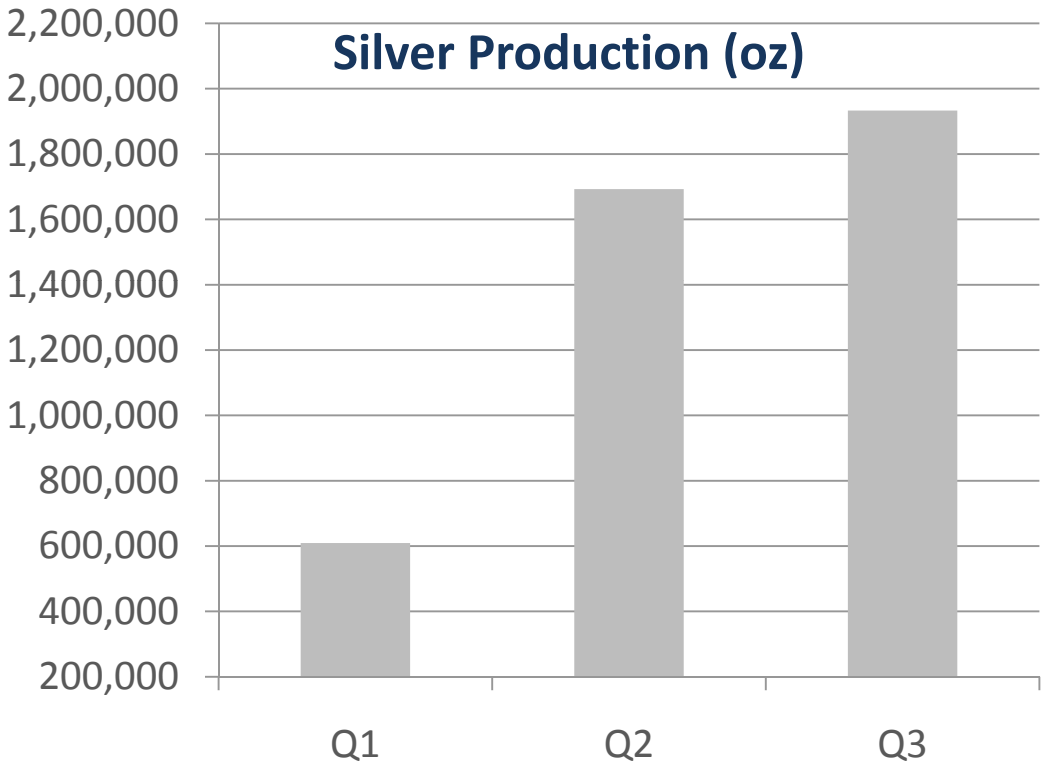


Pre-Concentration Jig Circuit



Ore Processing - Production

- Silver production rate now consistent with feasibility with the introduction of sulphide ore

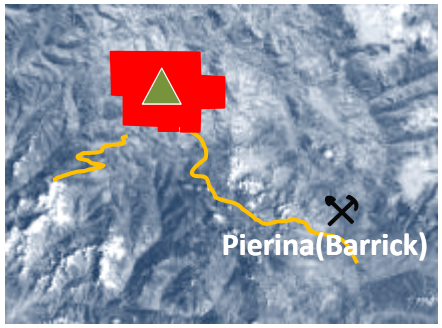


Pirquitas Summary

- Sulphide ore is responding well in the process plant, and the gravity pre-concentration stage is upgrading to expectations
- The mine is now producing separate silver and zinc concentrates at feasibility grades
- Tin recovery is proving to be challenging - testwork is underway
- The crushing circuit has some temporary tonnage limitations, which will be resolved in the short term
- A strategic decision has been made to focus on crushing throughput and pre-concentration-stage processes to ensure nameplate capacity for the long-term, resulting in change to short-term silver guidance
- Operating costs remain in control

Development: San Luis JV Project, Peru



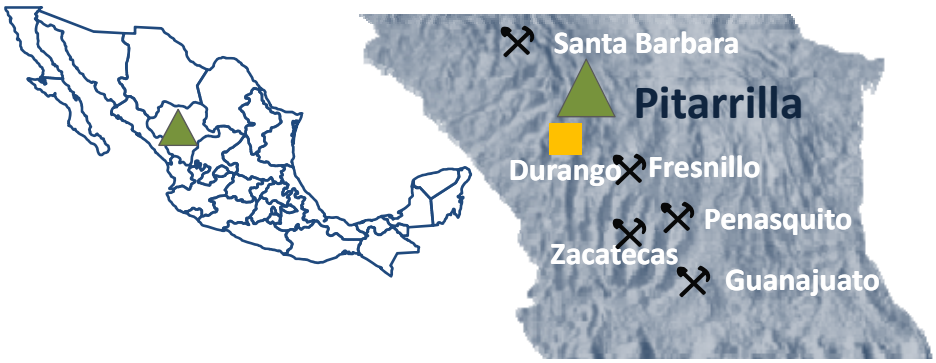


- High-grade gold and silver project (Ayelén vein)
- Large, prospective land package near Barrick's Pierina gold mine
- Contained footprint

(June 2010 Feasibility Study)

Gold reserves (oz)	290,484
Silver reserves (m oz)	7.2
Reserves (t)	503,313
Average reserve grade (g/t)	Gold: 17.95 Silver: 446.14
Mine type	Underground, 400 tpd
Construction period	Two years
Capex	US$90M
Internal Rate of Return (%)	26.5
Mine life (years)	3.5
Annual Production (oz)	Gold: 78,000 Silver: 1.9m
Ownership	70%
Status: Feasibility (June 2010)	
Next steps: Environmental approval and land use agreements	

Development: Pitarrilla Project, Mexico



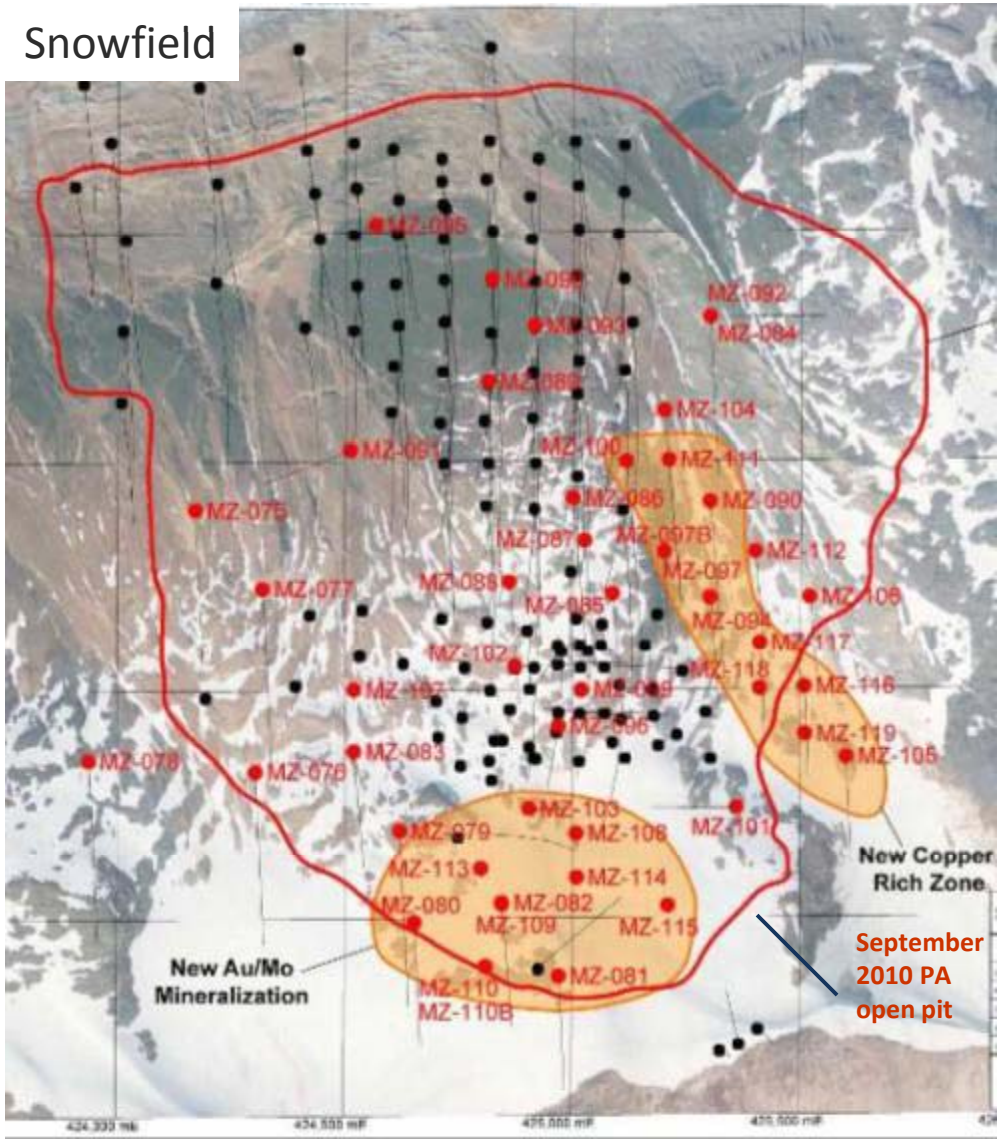
- Grass-roots discovery in major silver district
- Paved-road access
- Five zones identified
- Accelerating advance of underground project for Breccia Ridge Zone, with scoping studies for open pit potential
- Feasibility study anticipated early 2011

(June 2009 Pre-feasibility Study)

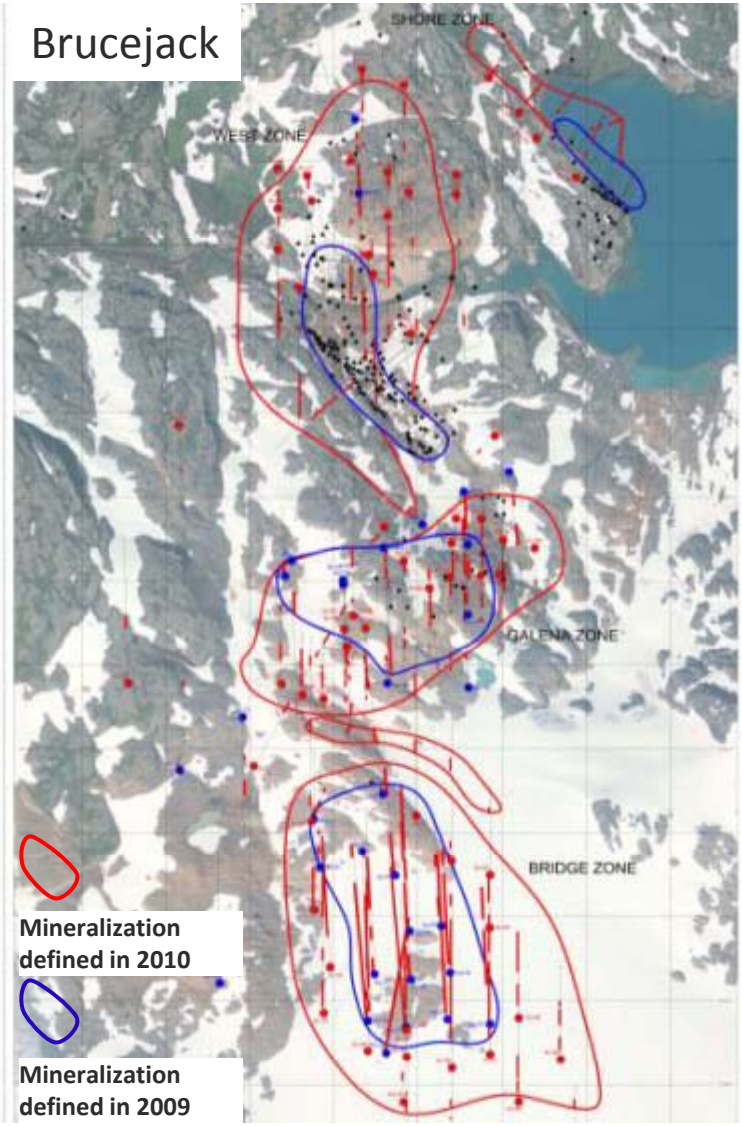
Silver reserves (m oz)	91.7
Measured & Indicated silver resources (m oz)	551.6
Inferred Resource (m oz)	82.2
Project (Breccia Ridge Zone)	underground 4,000 tpd
Capex	US$278M
Net Present Value (5% discount)	$320M
Mine life (years)	12
Annual production (m oz silver)	7
Ownership	100%
Status: Pre-feasibility (September 2009)	
Next step: Feasibility 2011	

Snowfield & Brucejack – 2010 Drilling

Snowfield



Brucejack



Sale of Snowfield and Brucejack

- C$450m consideration: C$215m in cash + C$235m in shares
  - Deal contingent on Pretium Resources Inc. raising finance through IPO
  - Closing expected Q4 2010

- Importance to Silver Standard:
  - Monetization of projects that do not strategically fit
  - Re-focus on development options suited to us
  - Emphasis on consideration of size of Capex and capability

2010 H2 Key Corporate Objectives

Production

- ✓ **Pirquitas** operations optimized and zinc being produced
  - 2010 silver production guidance: 6.3-6.5 million oz

Development

- ✓ **San Luis** Environmental Impact Study filed
  - Land use agreement negotiations
- ✓ **Pitarrilla** mine planning underway
  - Underground Feasibility Study 2011

Exploration

- ✓ **Snowfield-Brucejack** Preliminary Assessment completed
- ✓ **Snowfield-Brucejack** 51,100-meter drill programs completed
  - Sale transaction completion anticipated December 2010
- ✓ **San Agustin** geophysical program completed
- ✓ **Berenguela** drilling program completed



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