SILVER STANDARD

Corporate Presentation

March 2010

NDAQ:SSRI/TSX:SSO

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, 2008.

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.

Cautionary Note to U.S. Investors

National Instrument 43-101 Standards of Disclosure for Mineral Projects ("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. Unless otherwise indicated, all reserve and resource estimates contained or incorporated by reference in this presentation have been prepared in accordance with NI 43-101 and the Canadian Institute of Mining Metallurgy and Petroleum Classification System. These standards differ significantly from the requirements of the SEC, and reserve and resource information contained herein and incorporated by reference into this presentation may not be comparable to similar information disclosed by U.S. companies.

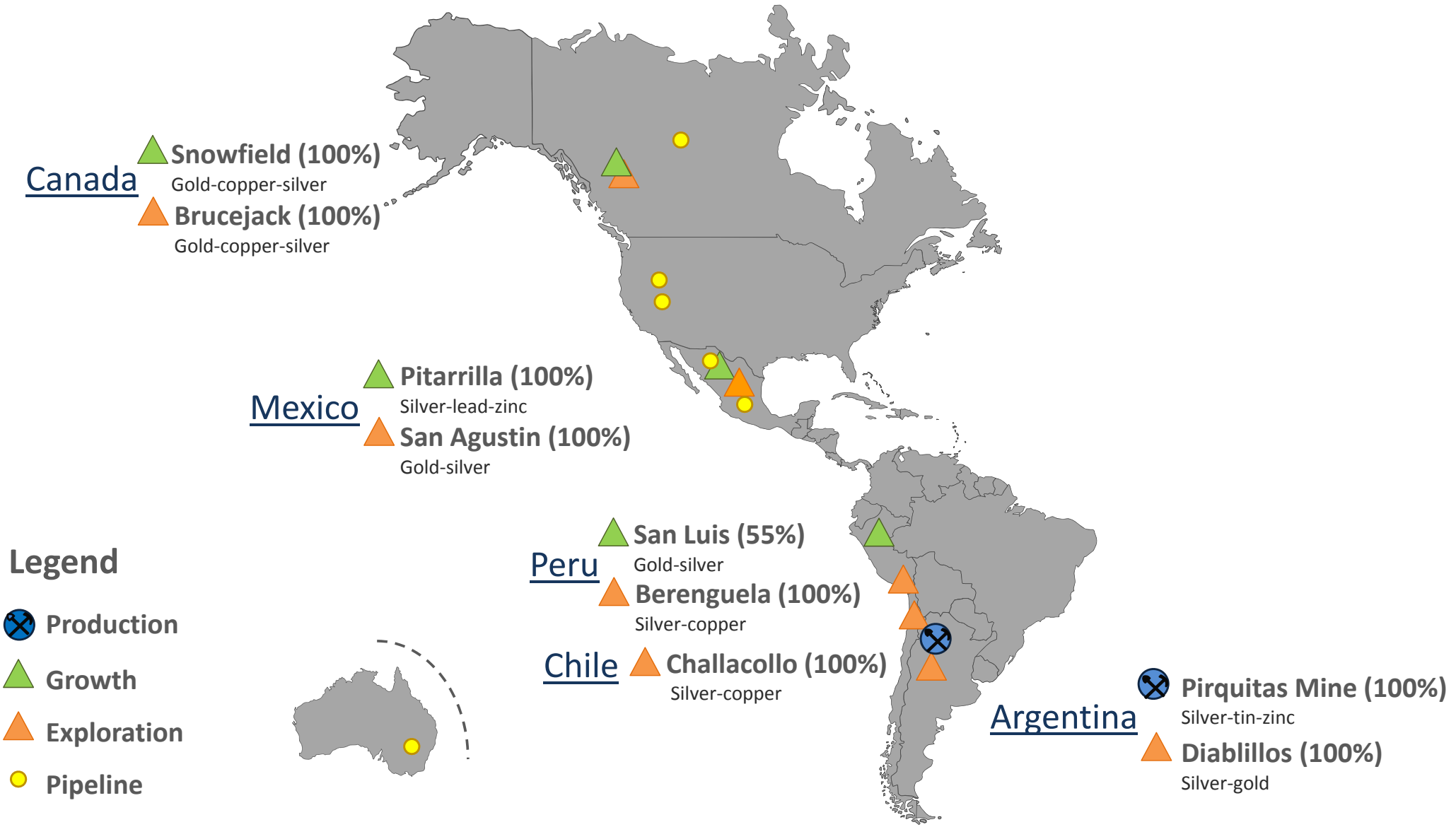
In this presentation, we use the terms "measured", "indicated" and "inferred" resources. U.S. investors are cautioned that, while such terms are recognized and required by Canadian securities laws, the SEC does not recognize them. Under U.S. standards, mineralization may not be classified as a "reserve" 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.

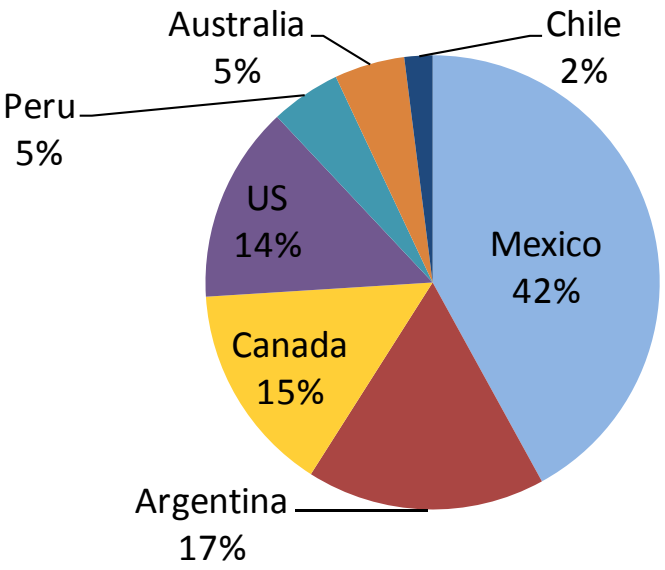
NI 43-101 also permits an historical estimate made prior to the adoption of NI 43-101 that does not comply with NI 43-101 to be disclosed using the historical terminology if the disclosure: (a) identifies the source and date of the historical estimate; (b) comments on the relevance and reliability of 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.

Silver Producer Focused On the Americas

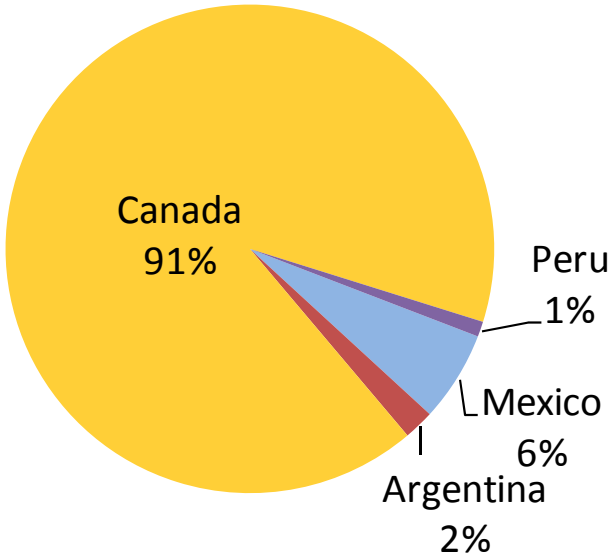
Strong growth pipeline …



Large Silver Asset Base, Gold Exposure[8]



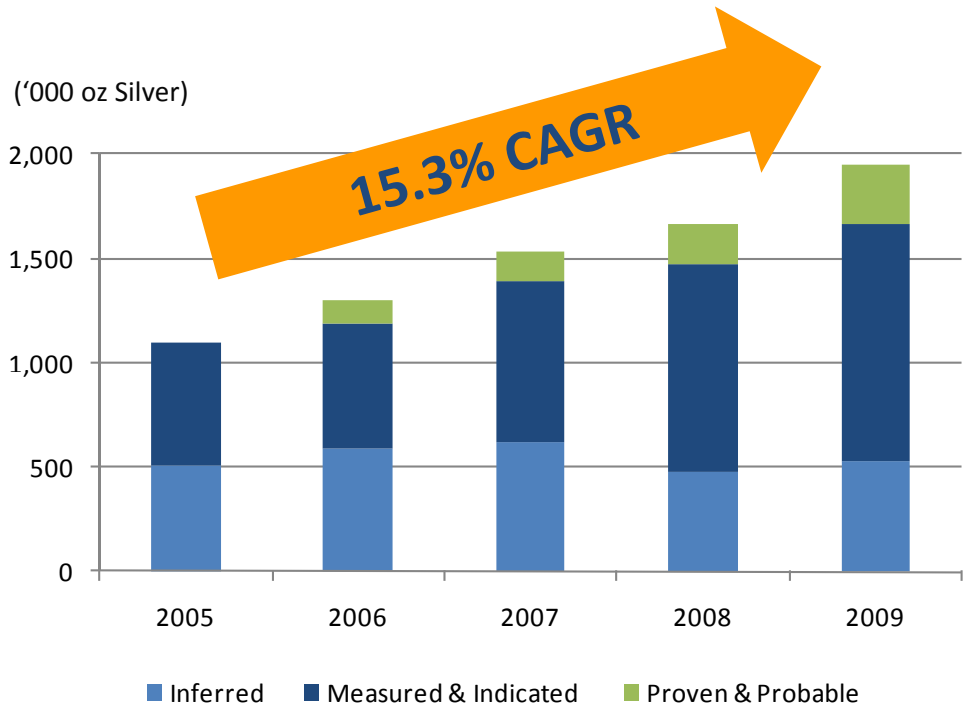
Total Silver Reserves & Resources (mil oz.)	
Proven & Probable Reserves	286.8
Measured & Indicated Resources	1,114.6
Inferred Resources	519.0



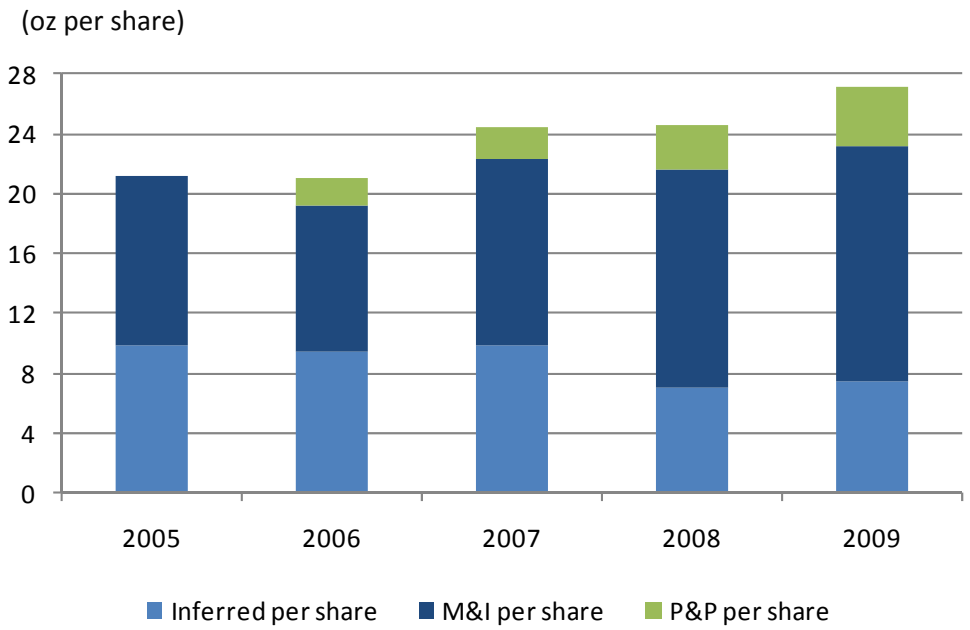
Total Gold Resources (mil oz.)	
Measured & Indicated Resources	26.3
Inferred Resources	16.3

Accretive Growth[1]

Silver Reserves and Resources



Per Share Silver Reserves and Resources



Corporate Strategy

- **Grow the business for scale**
  - **Increase production, reserves and resources**
  - **Strengthen balance sheet and operating systems**
- **Develop quality assets for consistent margins**
  - **Focus on low cost, long-lived projects**
  - **Rationalize the portfolio**
- **Attract and retain talent for sustainability**
  - **Develop and motivate our people**

… leads to capitalizing on opportunities

Growth Opportunity

Production

- **Pirquitas** achieved commercial production December 2009
- Generating cash flow in 2010
- 2010 Production guidance: 7 million ounces silver

Growth

- **San Luis** feasibility study Q2 2010
- **Pitarrilla** underground feasibility study Q4 2010
- **Diablillos** preliminary economic assessment H2 2010

Exploration

- **Snowfield** preliminary economic assessment H2 2010
- **Snowfield/Brucejack** summer 2010 drill programs
- **San Agustin**: test shallow low grade gold/silver and high grade silver/lead/zinc potential at depth
- **Berenguela**: test potential at depth
- **Challacollo**: test potential at depth

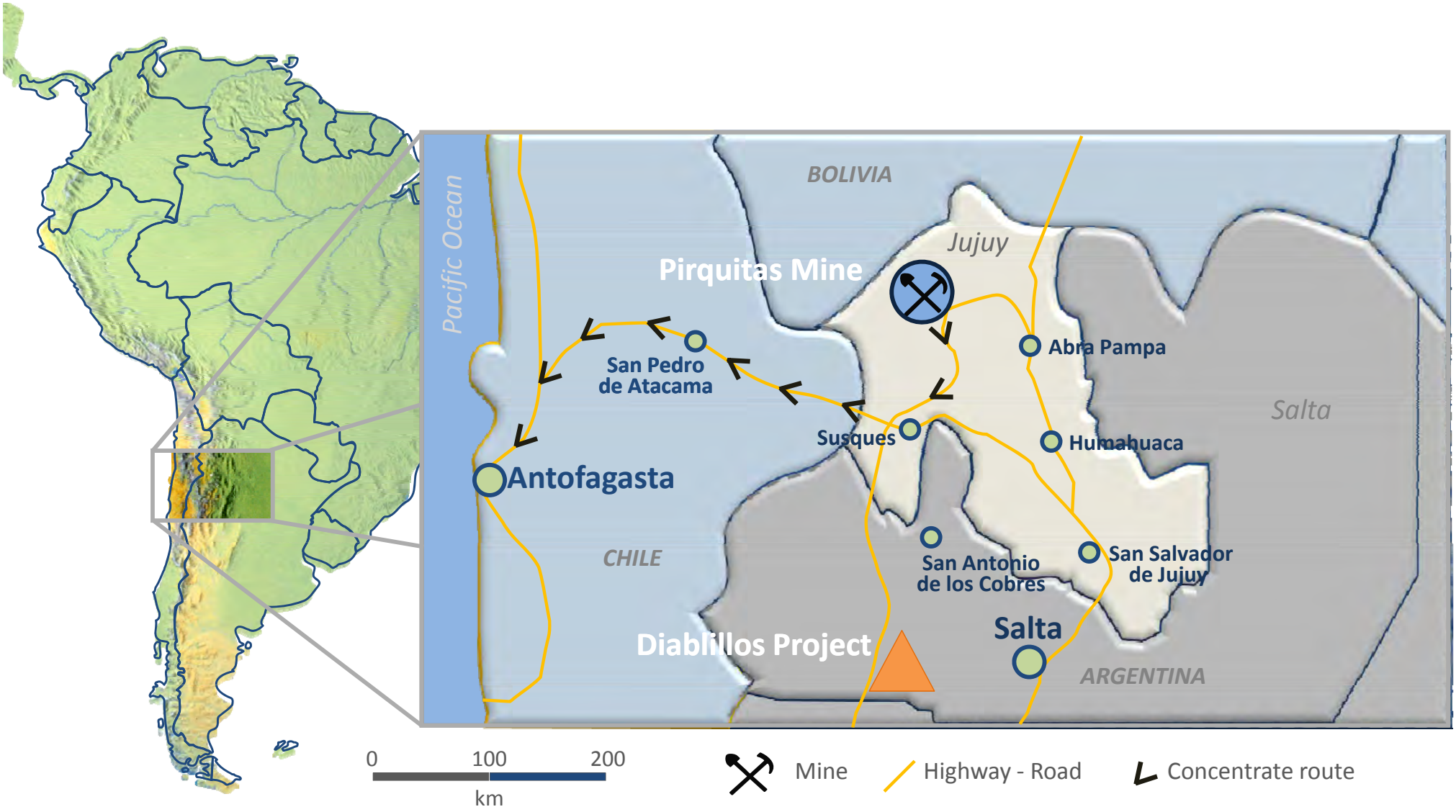
… largest growth profile amongst silver producers

Growth Pipeline



… unparalleled in the silver sector

Pirquitas and the Region



Pirquitas ….*Up and running*

- Achieved commercial production December 1, 2009
  - Mine and processing plant operating at capacity
  - Initiated de-bottlenecking Q1 2010 to optimize
  - Tin circuit commissioned Q1 2010
  - Processing sulphide in transition ore in Q2
- Regional and brownfield exploration underway
- 2010 Production guidance: 7 million ounces of silver



Pirquitas … *By the Numbers*[(2)]

- Proven and Probable Reserve: 195.1 million ounces silver
- Mining Rate: 6,000 tpd
- Processing Rate: 4,000 tpd
- LOM average silver recovery 78%
- LOM average metal production:
  - Silver: 8 to 10 million ounces
  - Tin: 2,000 tonnes
- Operating Costs: LOM average projected to be $26 per tonne



One of the world's largest primary silver mines

Open Pit and Process Facility





Solid Community Relations

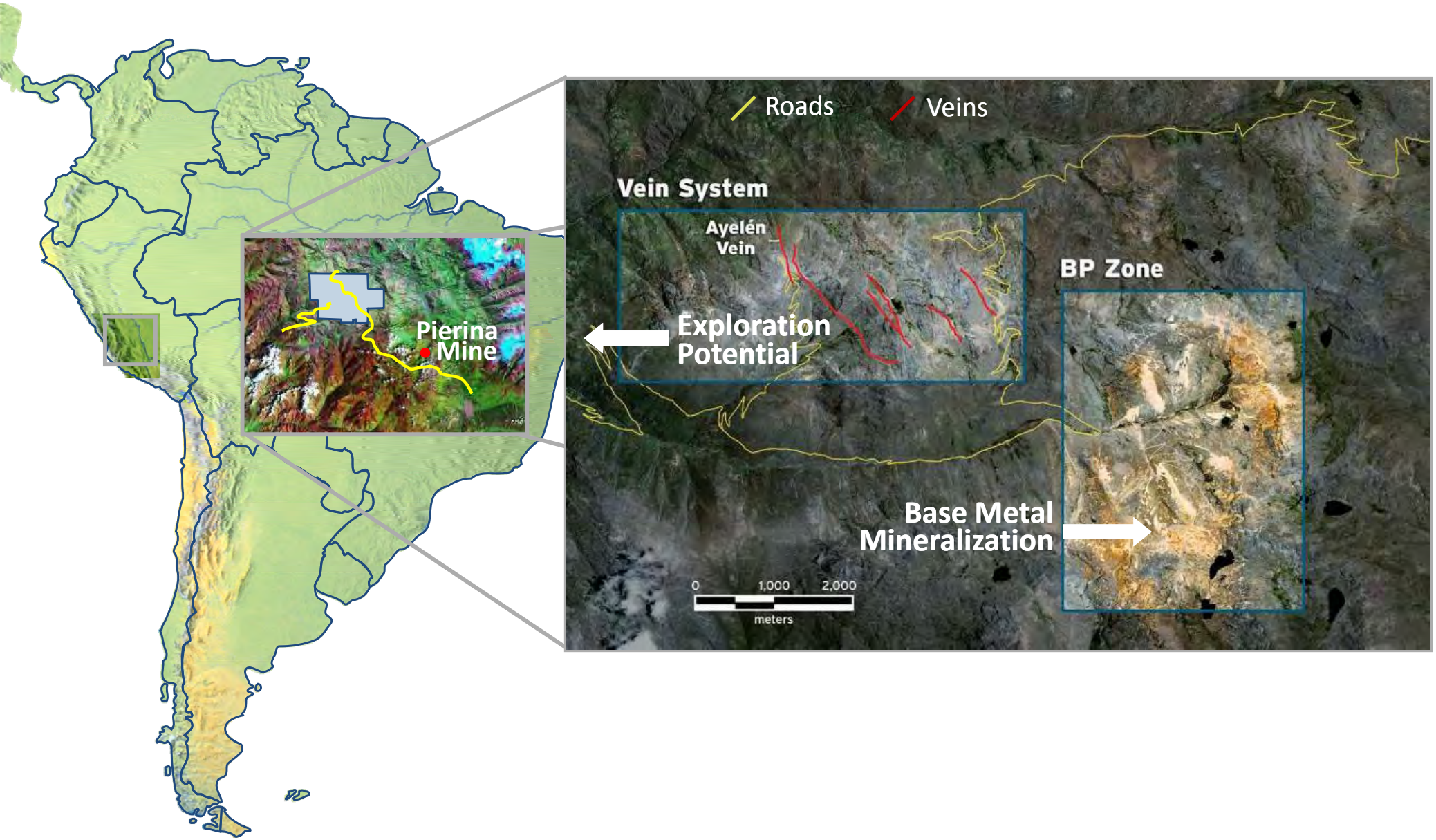


- Employing local community residents
- 600 hours of training for truck drivers
- Training local environmental monitors
- Infrastructure support for local communities, including schools
- Medical facility for the region

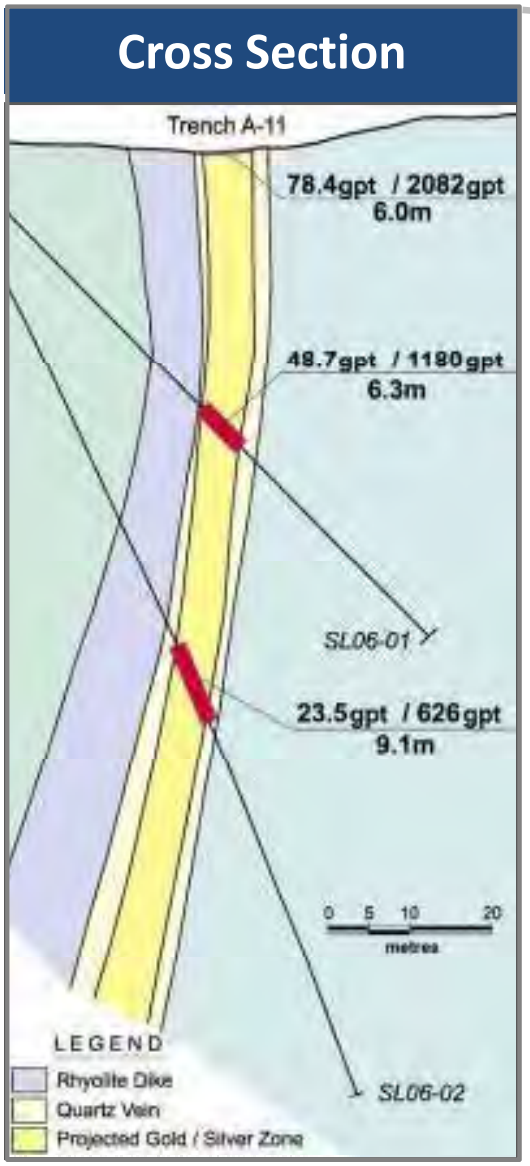


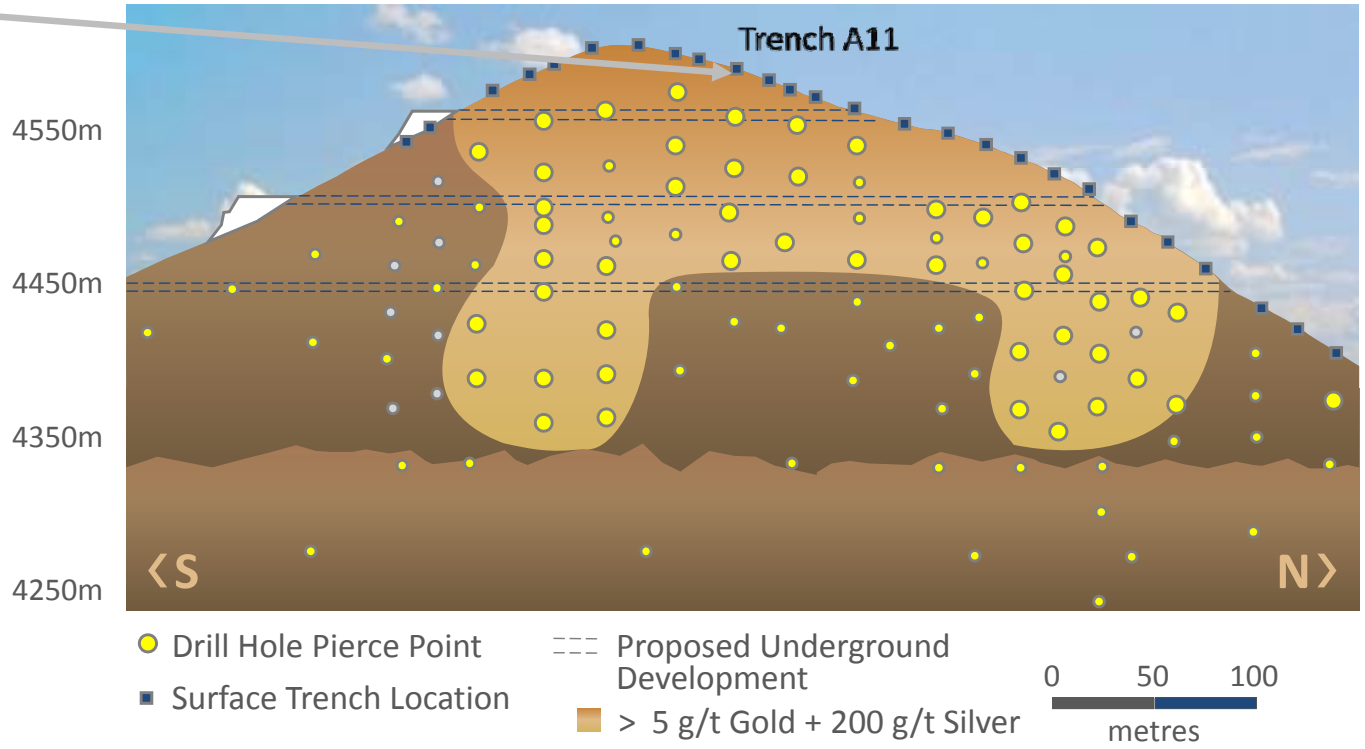


San Luis, Peru: High-grade Gold-Silver



Ayelén Vein[3]





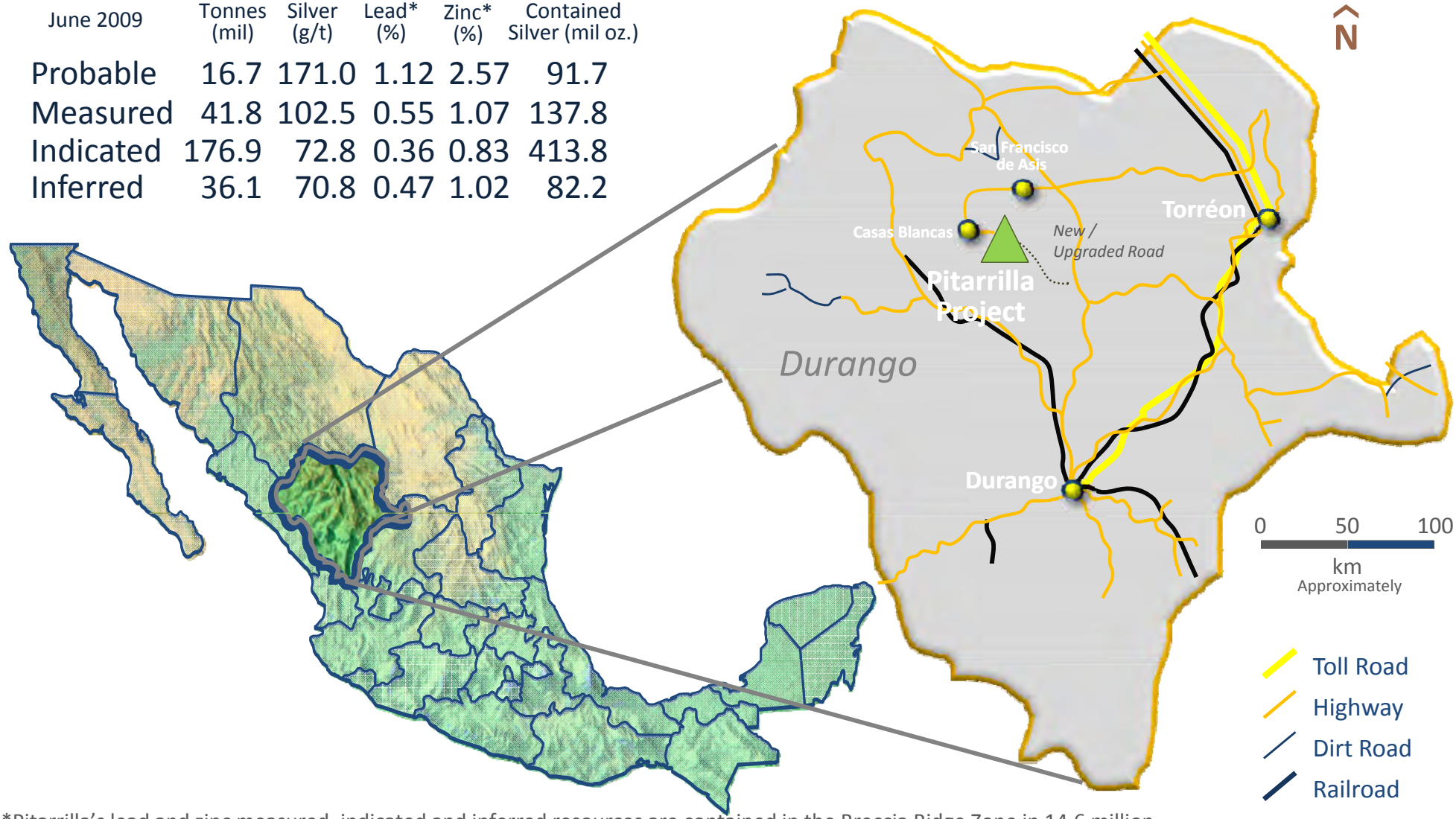
Ayelén Vein Resources – 100%

	Tonnes	Silver (g/t)	Gold (g/t)	Contained Silver (mil oz.)	Contained Gold ('000 oz.)
Measured	55,000	757.6	34.3	1.34	61.0
Indicated	429,000	555.0	20.8	7.66	287.0
Inferred	20,000	270.1	5.6	0.17	3.6

Pitarrilla Project, Mexico[4]

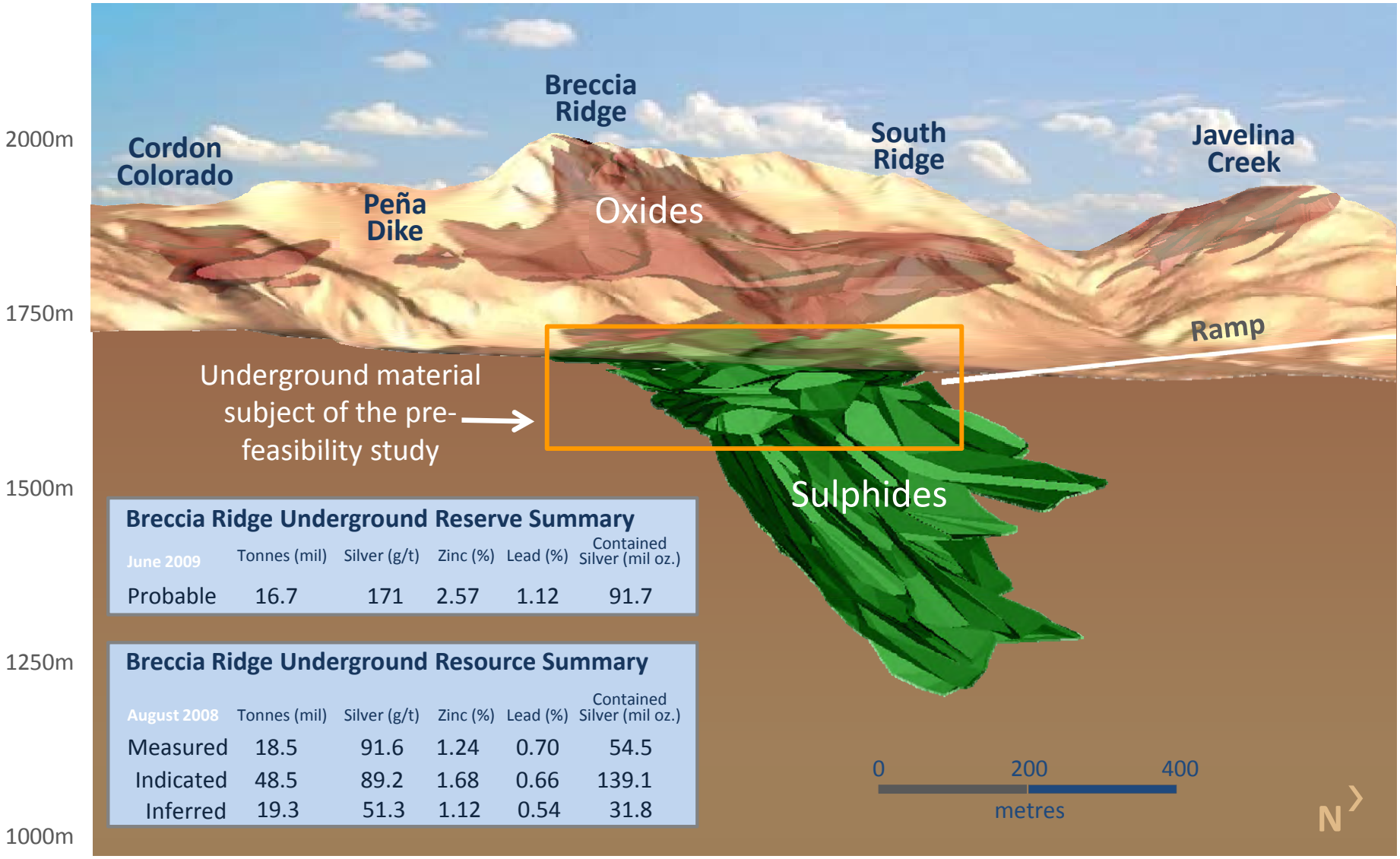
Pitarrilla Reserves & Resources Summary

June 2009	Tonnes (mil)	Silver (g/t)	Lead* (%)	Zinc* (%)	Contained Silver (mil oz.)
Probable	16.7	171.0	1.12	2.57	91.7
Measured	41.8	102.5	0.55	1.07	137.8
Indicated	176.9	72.8	0.36	0.83	413.8
Inferred	36.1	70.8	0.47	1.02	82.2



*Pitarrilla's lead and zinc measured, indicated and inferred resources are contained in the Breccia Ridge Zone in 14.6 million tonnes , 141.3 million tonnes and 24.8 million tonnes, respectively.

Pitarrilla Property[4]



Breccia Ridge Underground Reserve Summary

June 2009	Tonnes (mil)	Silver (g/t)	Zinc (%)	Lead (%)	Contained Silver (mil oz.)
Probable	16.7	171	2.57	1.12	91.7

Breccia Ridge Underground Resource Summary

August 2008	Tonnes (mil)	Silver (g/t)	Zinc (%)	Lead (%)	Contained Silver (mil oz.)
Measured	18.5	91.6	1.24	0.70	54.5
Indicated	48.5	89.2	1.68	0.66	139.1
Inferred	19.3	51.3	1.12	0.54	31.8

Breccia Ridge Underground Pre-feasibility Study[4]

Ounces of Silver	*millions*	**92.0**
Tonnes Ore	*millions*	16.7
Processing Rate	*tonnes/day*	4,000
Mine Life	*years*	12.0
Annual Silver Production	*millions oz.*	**7.0**

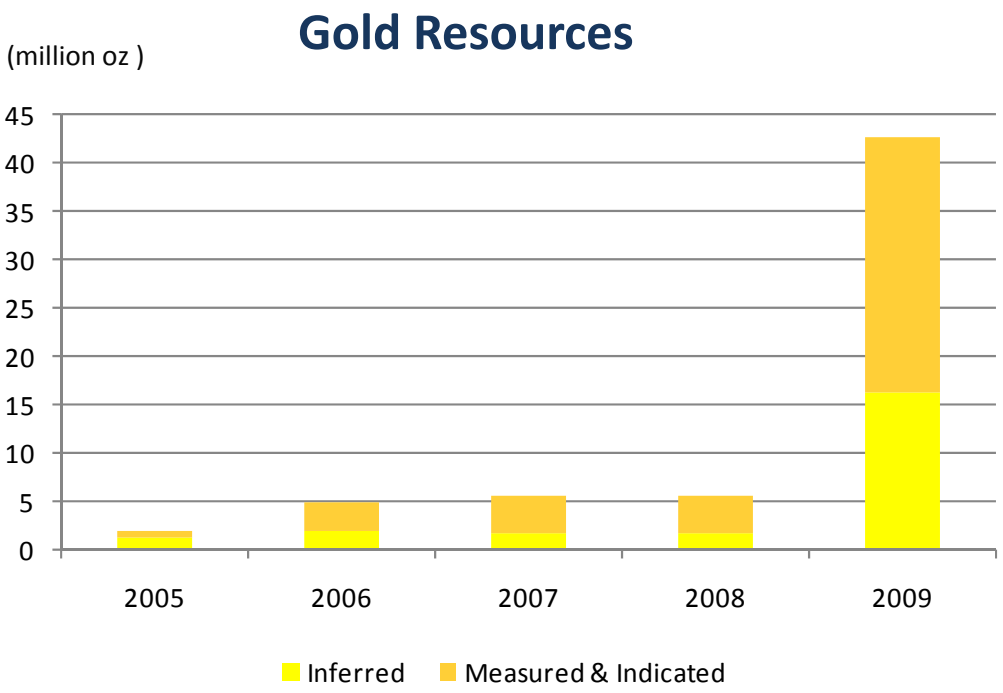
Capital Cost	*millions US$*	**277.4**
Mining Cost	*US$/tonne milled*	14.55
Processing Cost	*US$/tonne milled*	9.15
Power Cost	*US$/tonne milled*	6.03
G&A Cost	*US$/tonne milled*	4.08
Total Cost	*US$/tonne milled*	**33.81**

Financial Analysis

Scenario	Silver *US$/oz.*	Zinc *US$/lb.*	Lead *US$/lb.*	NPV at 5% discount *US$ mm*	IRR *%*	Payback *years*
Silver Standard (Base Case)	**11.00**	**0.70**	**0.50**	**107.4**	**10.9**	**6.2**
5-year Average	11.16	0.99	0.72	310.5	20.3	3.8
2-year Average	14.06	0.99	1.02	521.1	28.4	2.9
Spot – June 16, 2009	14.02	0.71	0.77	320.1	20.4	3.9

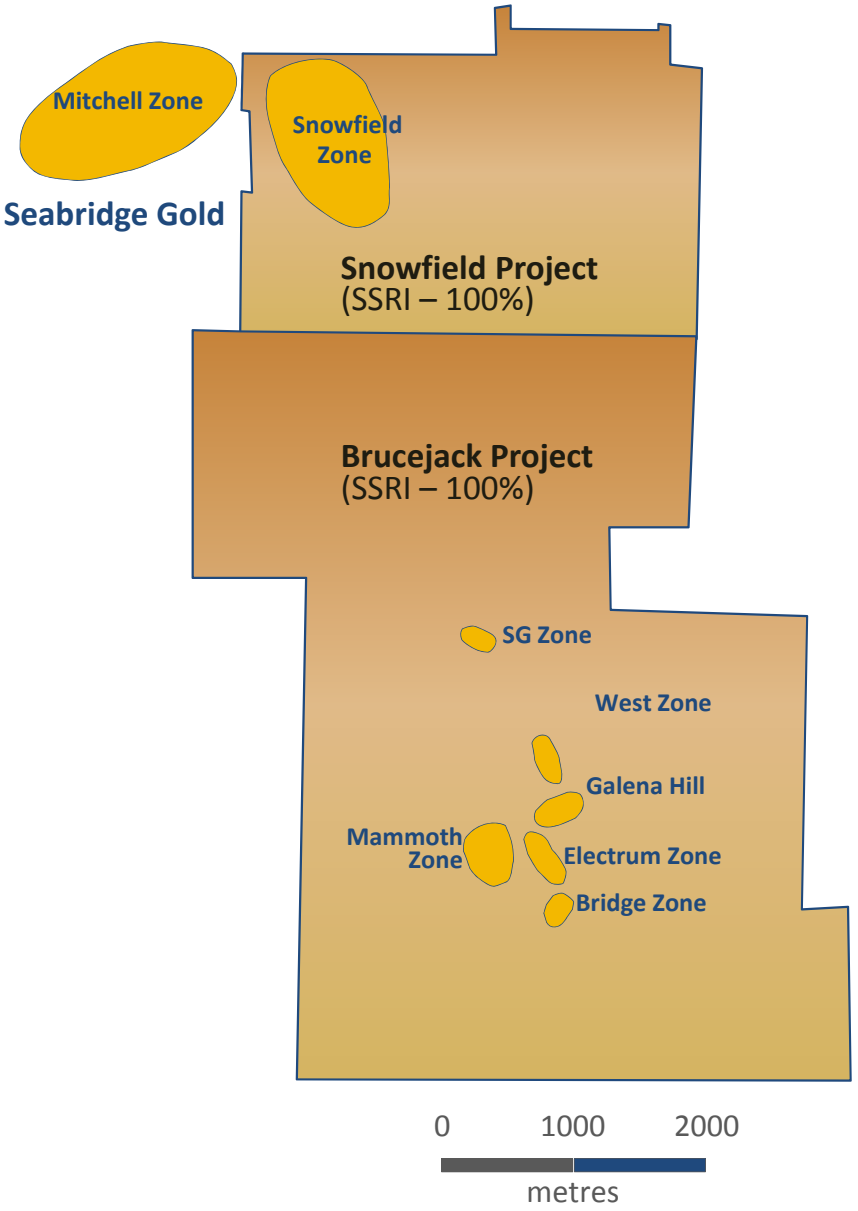
Accelerated Growth in Gold[(1)]

- Gold resources have been growing in large part due to exploration at Snowfield and Brucejack in British Columbia
- M&I gold per share: 0.3 oz.





Snowfield and Brucejack Projects, B.C.[6]





Snowfield Project[6]

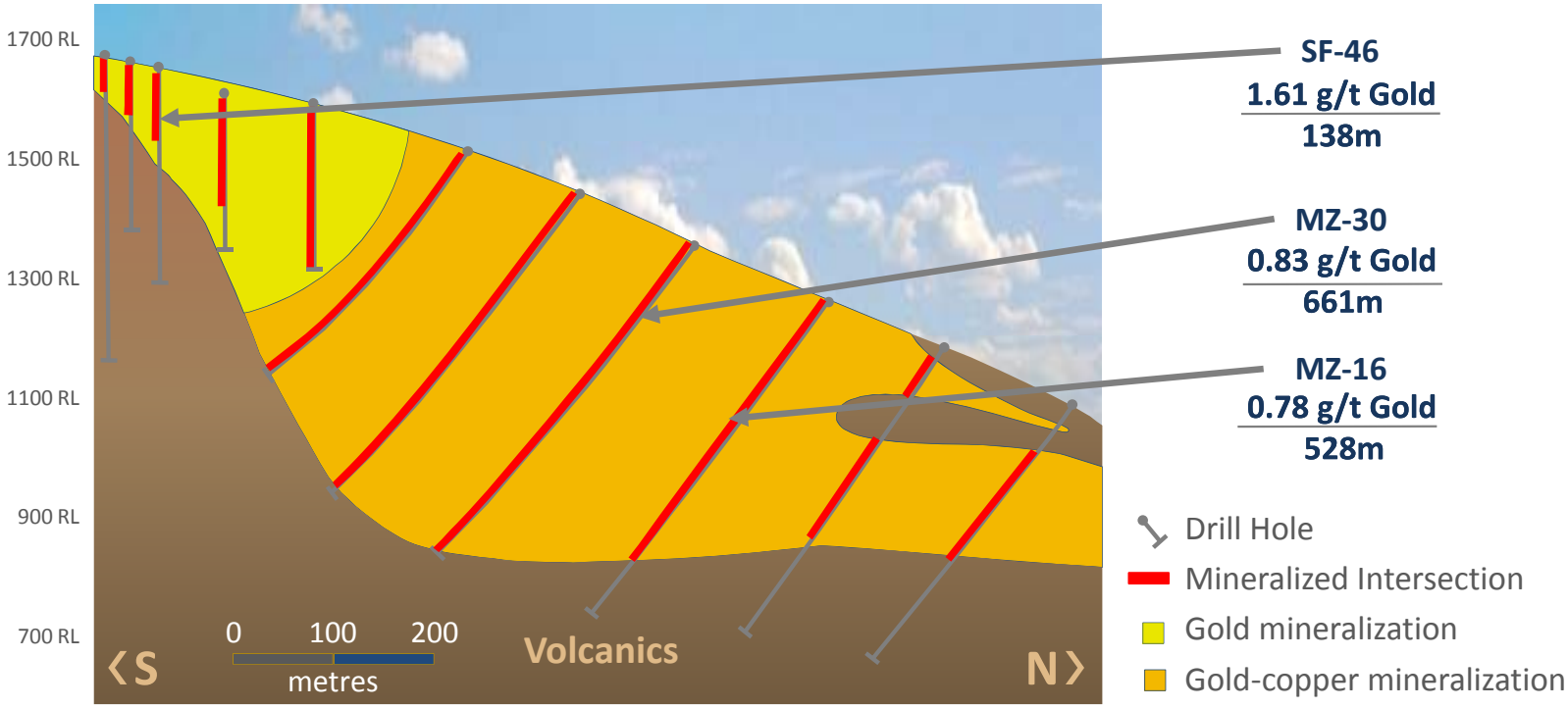
- Near-surface, porphyry-style gold-copper-molybdenum deposit
- Rhenium mineralization
- Preliminary economic analysis expected H2 2010



Brucejack Project[6]

- Epithermal low-sulphidation gold-silver deposit
- Bonanza-grade gold-silver intercepted over narrow widths
- 2010 exploration will seek to expand and upgrade the low-grade resource and test new targets for high grade mineralization

Snowfield Project Mineralization(6)

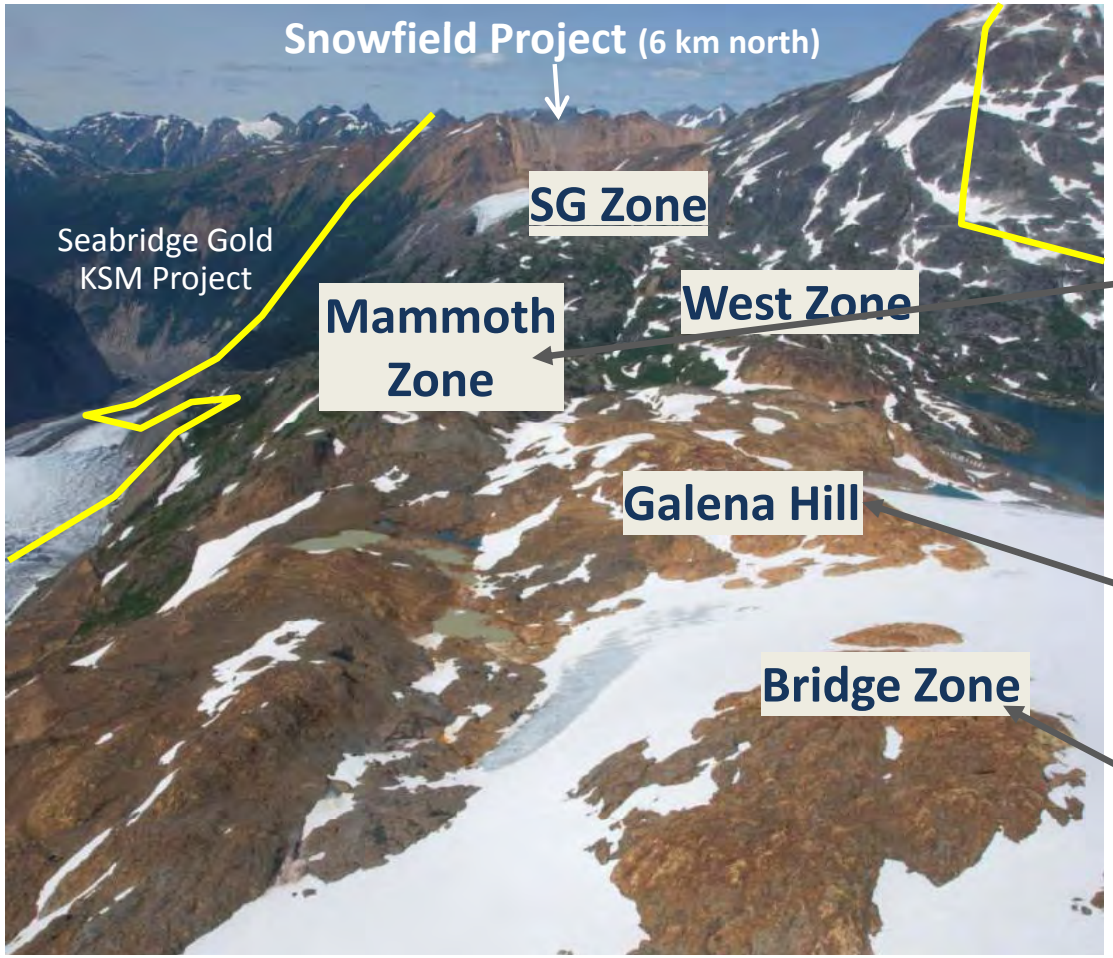


Snowfield Resource Summary – December 2009

(Based on a cut-off grade of 0.35 grams of gold-equivalent/tonne)

Category	Tonnes (millions)	Gold (g/t)	Silver (g/t)	Copper (%)	Moly (ppm)	Contained Gold (mil oz.)	Contained Silver (mil oz.)
M+I	861.7	0.71	1.8	0.12	92	**19.77**	**50.9**
Inferred	948.9	0.33	1.4	0.07	81	**10.05**	**43.7**

Brucejack Project Mineralization[6]

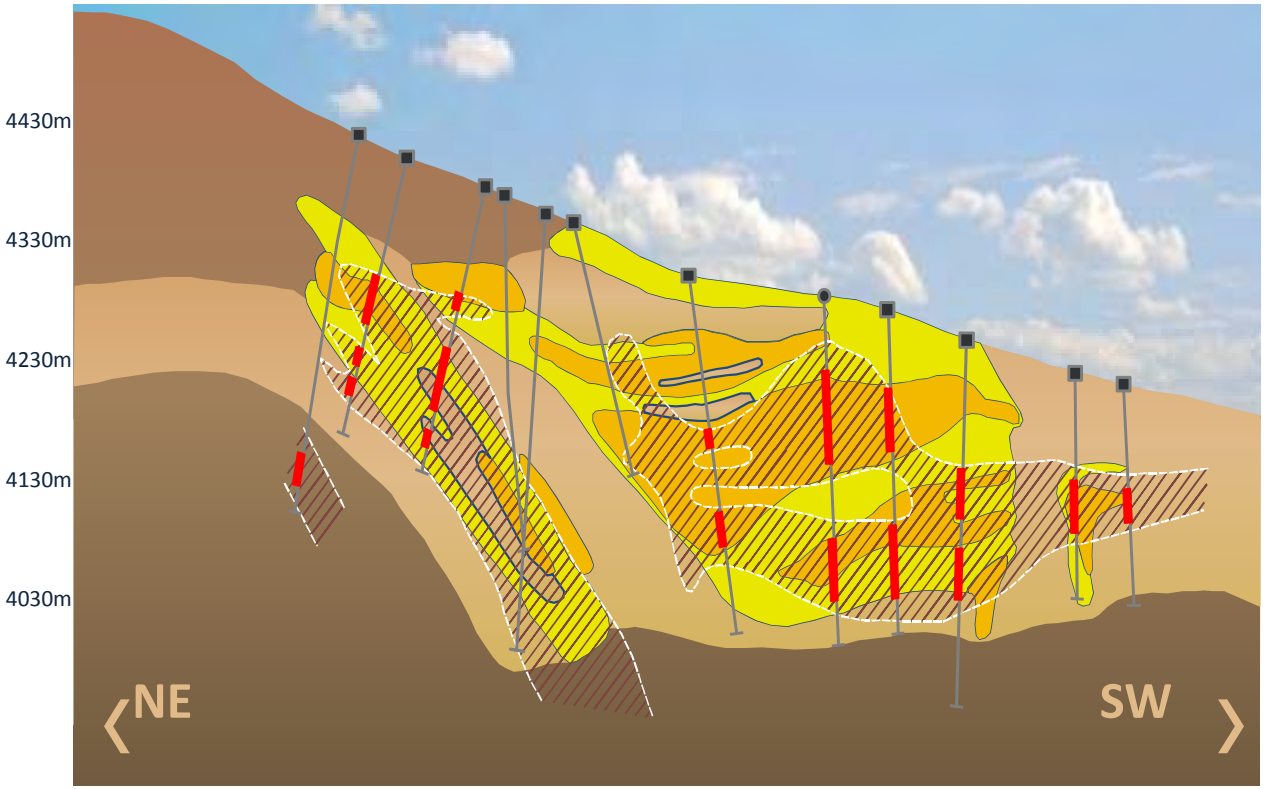


Brucejack Resource Summary – December 2009

(Based on a cut-off grade of 0.35 grams of gold-equivalent/tonne)

Category	Tonnes (millions)	Gold (g/t)	Silver (g/t)	Contained Gold (mil oz.)	Contained Silver (mil oz.)
M+I	120.5	1.04	16.9	**4.04**	**65.4**
Inferred	198.0	0.76	11.2	**4.87**	**71.5**

Advanced Development: Diablillos, Argentina[5]



- High sulphidation epithermal silver-gold project located in Salta, 171 miles south of Pirquitas
- Silver in the main area of mineralization is both oxide and sulphide in nature
- PEA commenced

0 100 200
metres

Drill Hole
Mineralized Intersection
Mineralized Zone

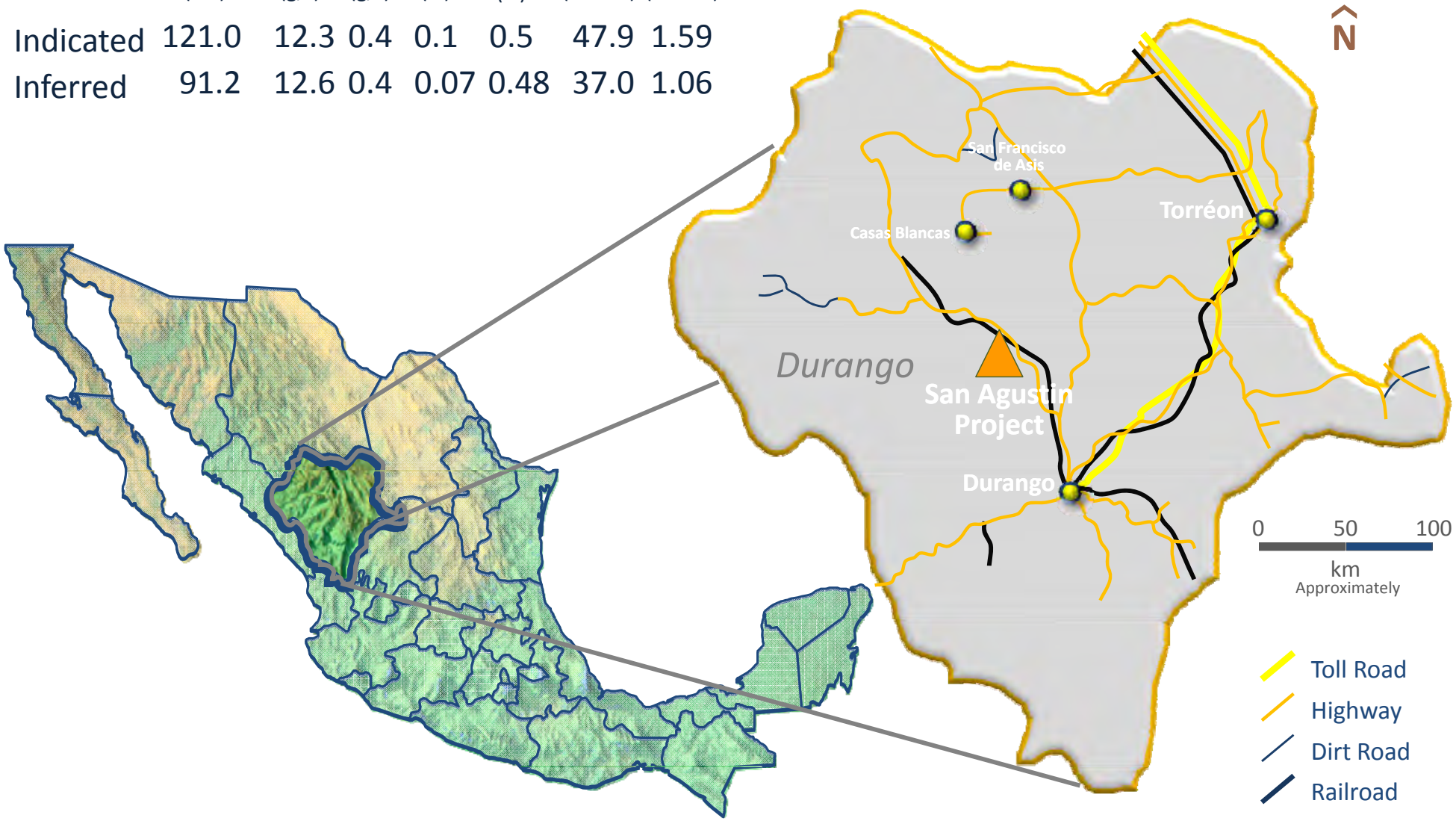
Diablillos Resource Summary

Category	Tonnes (mil)	Silver (g/t)	Gold (g/t)	Contained Silver (mil oz.)	Contained Gold (mil oz.)
Indicated	21.6	111.0	0.9	77.1	.64
Inferred	7.2	27.0	0.8	6.3	.19

Exploration: San Agustin Project, Mexico[7]

San Agustin Resources Summary

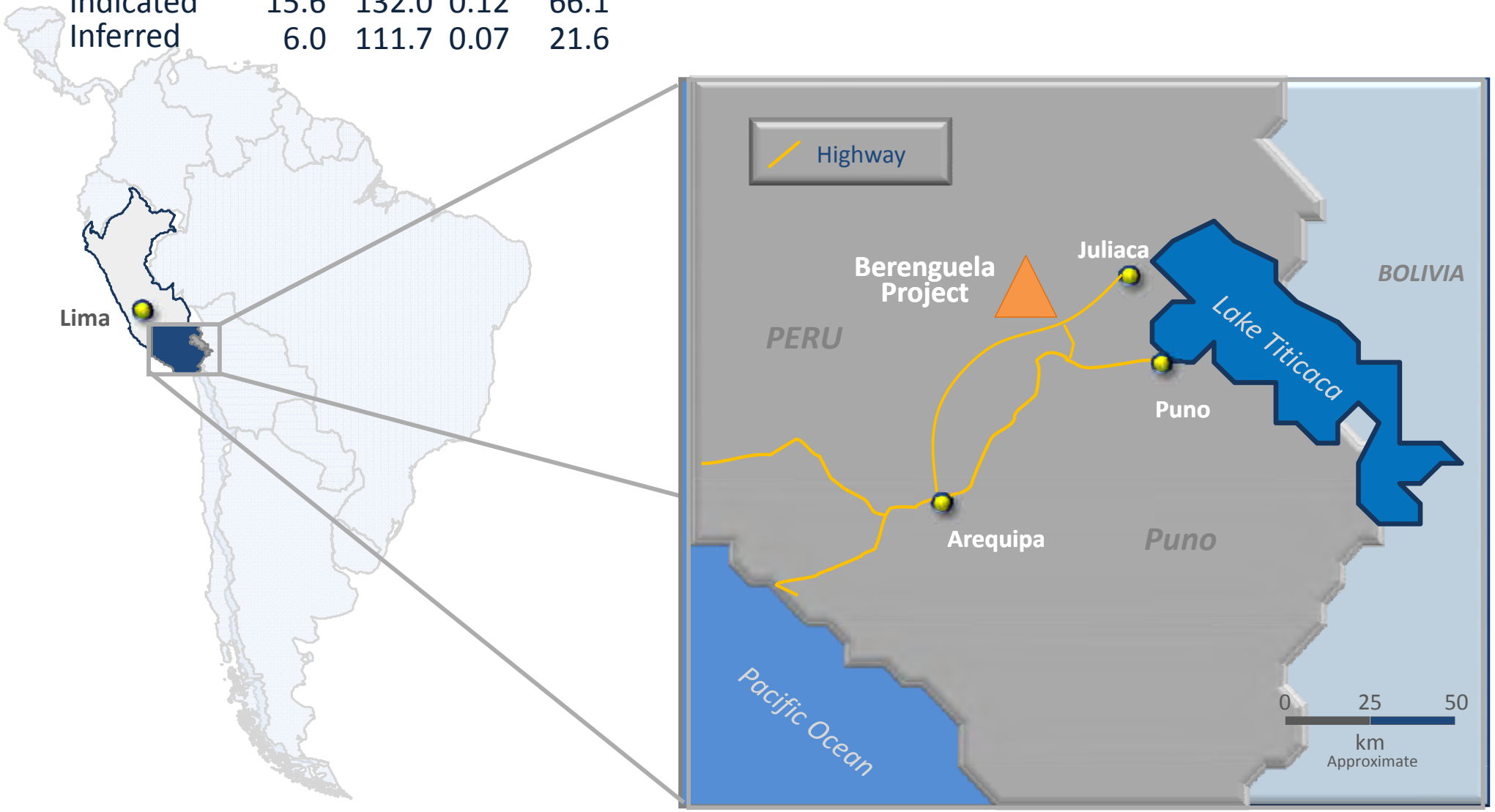
Category	Tonnes (mil)	Silver (g/t)	Gold (g/t)	Lead (%)	Zinc (%)	Contained Silver (mil oz.)	Contained Gold (mil oz.)
Indicated	121.0	12.3	0.4	0.1	0.5	47.9	1.59
Inferred	91.2	12.6	0.4	0.07	0.48	37.0	1.06



Exploration: Berenguela Project, Peru[8]

Berenguela Resources Summary

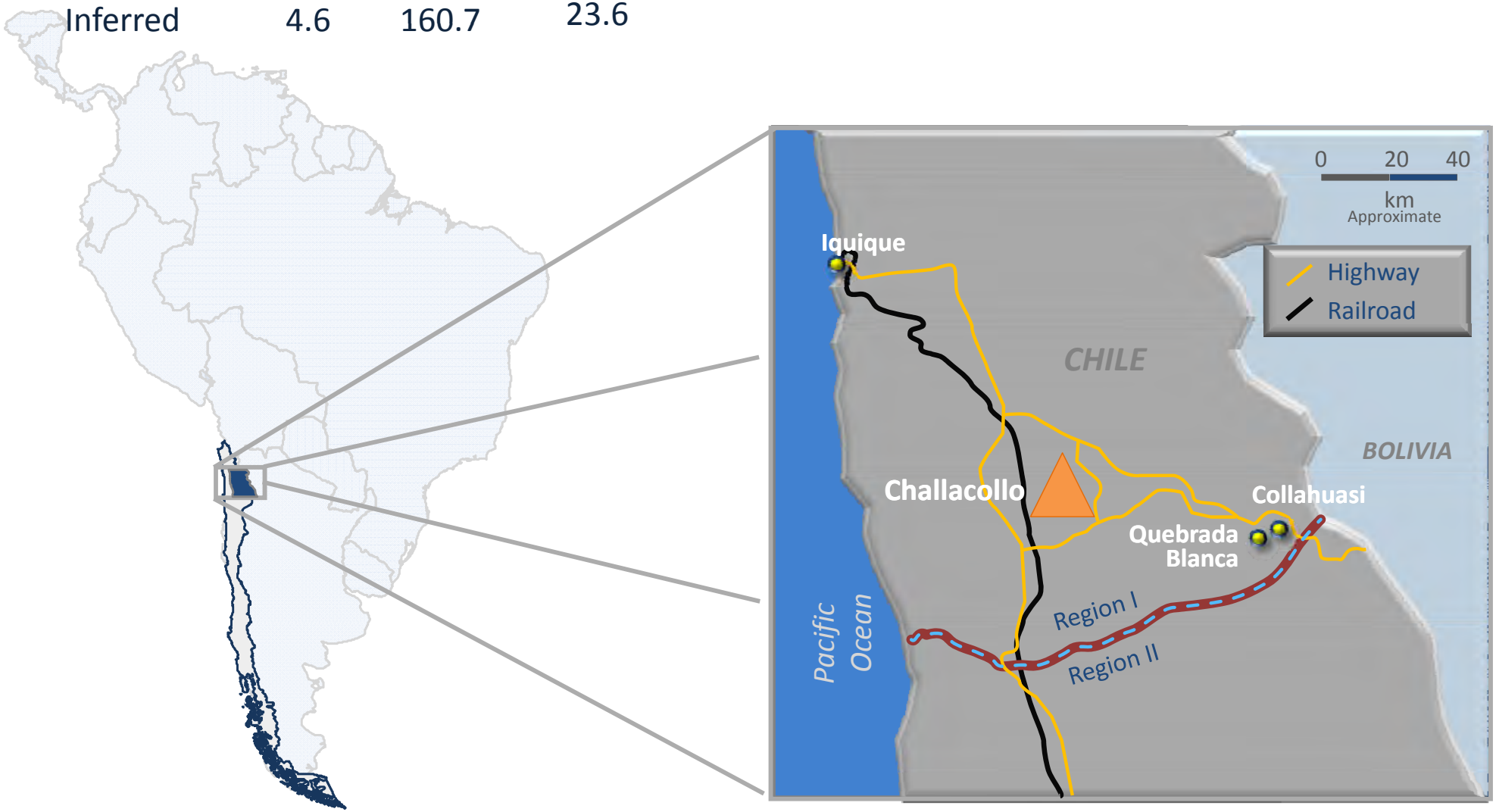
Category	Tonnes (mil)	Silver (g/t)	Copper (%)	Contained Silver (mil oz.)
Indicated	15.6	132.0	0.12	66.1
Inferred	6.0	111.7	0.07	21.6



Exploration: Challacollo Project, Chile[8]

Challacollo Resources Summary

Category	Tonnes (mil)	Silver (g/t)	Contained Silver (mil oz.)
Indicated	3.4	170.6	18.6
Inferred	4.6	160.7	23.6



Portfolio Projects[8]

(Million ounces of silver attributed to Silver Standard)

Veta Colorada, Mexico



Resource estimate underway

Candelaria, U.S.



Measured &Indicated: 44 mil oz.
Inferred: 83 mil oz.

Maverick Springs, US



Indicated: 70 mil oz.
Inferred: 86 mil oz.

Bowdens, Australia



Measured &Indicated: 79 mil oz.
Inferred: 18 mil oz.

Sunrise Lake, Canada



Indicated: 13 mil oz.
Inferred: 14 mil oz.

The Silver Standard Team

- Operating safely is our priority
- Respecting our communities
- Developing quality teams for all aspects of our business
- Focusing on growth through project delivery
- Building on our exploration success
- Delivering value for our shareholders



Executive Management



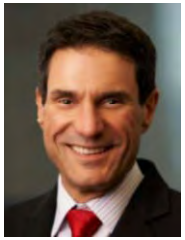
Mike Anglin, President, CEO and Director

Mr. Anglin has a mining career of more than 20 years acting in senior management roles with BHP Billiton, including Vice President Operations & Chief Operating Officer, Base Metals Group, in Santiago, Chile. His extensive international experience has encompassed multi-site management to technical, functional and business development. He holds a Bachelor of Science (Honours) in Mining and a Master of Science from the Royal School of Mines, Imperial College, London



Joe Ovsenek, SVP Corporate Development

Since joining Silver Standard in 1996, Mr. Ovsenek's role has included responsibility for corporate and securities compliance, technical project evaluation, negotiating financing and property transactions, and strategic development. He holds a Bachelor of Law degree from the University of Toronto. Mr. Ovsenek is a registered professional engineer and holds a Bachelor of Applied Science degree from the University of British Columbia



George Paspalas, SVP Operations

Mr. Paspalas has held a broad range of executive, technical and operational positions in mining and project development. His career includes 18 years at Placer Dome Inc., in roles including General Manager of the Osborne and Granny Smith mines in Australia, and Senior Vice President Projects - Technical Development across all major mining regions. He holds a Bachelor of Engineering (Chemical) degree with Honours from the University of New South Wales



Ken McNaughton, VP Exploration

Mr. McNaughton has been Vice President, Exploration, since 1991. He has been responsible for all facets of the Company's exploration activities including project generation to resource definition and early-stage engineering evaluations. Mr. McNaughton holds a Bachelor of Applied Science degree and a Master of Applied Science degree in geological engineering from the University of Windsor



Tom Yip, VP Chief Financial Officer

Mr. Yip joined Silver Standard in 2007. He has had increasing responsibility for a breadth of finance and accounting roles while at Kinross Gold Corporation, Echo Bay Mines Ltd. and Asarco, LLC. He is a chartered accountant and holds a Bachelor of Commerce in Business Administration from the University of Alberta

2010 Corporate Objectives

- ❑ Produce 7 million ounces of silver at Pirquitas
- ❑ Complete San Luis feasibility Q2
- ❑ Complete Snowfield PEA H2 and exploration program
- ❑ Brucejack exploration program
- ❑ Complete Pitarrilla underground feasibility Q4
- ❑ Diablillos pre-feasibility study H2
- ❑ San Agustin exploration program
- ❑ Berenguela exploration program
- ❑ Challacollo exploration program

Investment Highlights(10)

(at March 22, 2010)

- Market cap: **US$1.4 billion**
- Shares outstanding: **78.7 million** issued, **83.6 million** fully diluted
- 2009/2010 share liquidity: **1.38 million/day**
- Largest in-ground silver resource of any publicly-traded silver company:

  Proven and Probable: 286.8 million oz.
  Measured and Indicated: 1.1 billion oz.
  Inferred: 532.1 million oz
- Significant exposure to gold:

  Measured and Indicated: 26.3 million oz.
  Inferred: 16.3 million oz.
- Industry-leading per share silver exposure:

  3.6 oz silver reserves per share, 17.9 oz. silver M&I resources per share

Track record of capitalizing on opportunity; focused on delivering value



Footnotes

1. Based on company shares outstanding as at December 31, 2009. Please also refer to footnotes 8 and 9.
2. See Technical Report on Mina Pirquitas, Silver, Tin and Zinc Project, Jujuy Province, Argentina dated September 29, 2008, filed on SEDAR and available on the company's web site.
3. See the Updated Mineral Resource Estimate San Luis Project, Ancash Department, Perú, dated January 9, 2009, filed on SEDAR and available on the company's web site. Silver Standard currently holds a 55% interest in the San Luis Joint Venture.
4. See the NI 43-101 Technical Report - Pitarrilla Property Pre-feasibility Study dated September 21, 2009 (This report should be read in its entirety for additional information regarding the assumptions and key parameters included in the annual silver production, capital cost and financial analysis estimates), as well the Technical Report and Resource Estimate on the La Pitarrilla Project, Breccia Ridge Deposit, Durango, Mexico, dated August 26, 2008, and the Technical Report on the Pitarrilla Property, Durango, Mexico, dated September 28, 2006, filed on SEDAR and available on the company's web site.
5. See the Technical Report on the Diablillos Property, Salta and Catamarca Provinces, Argentina, dated July 27, 2009.
6. See the NI 43-101 Technical Reports "Technical Report and Updated Resource Estimate on the Snowfield Property" and "Technical Report and Resource Estimates on the West, Bridge, Galena Hill, Shore, SG & Gossan Hill Gold & Silver Zones of the Brucejack Property" effective December 1, 2009 and filed on SEDAR January 14, 2010. Mineral resources for the December 2009 estimate are defined within an optimized pit that incorporates project metal recoveries, estimated operating costs and metals price assumptions. Parameters used in the estimate include metals prices (and respective recoveries) of US$800/oz. gold (75%), US$12.00/oz. silver (73%), US$2.50/lb. copper (85%) and US$10/lb. molybdenum (60%), as applicable. The pit optimization utilized the following cost parameters: Mining US$1.75/tonne, Processing US$5.00/tonne and G&A US$1.00/tonne along with pit slopes of 50 degrees. Contained metal may differ due to rounding.

   The quantity and grade of reported inferred resources in this estimation are uncertain in nature and there has been insufficient exploration to define these inferred resources as an indicated or measured mineral resource and it is uncertain if further exploration will result in upgrading them to an indicated or measured mineral resource category.
7. See the NI 43-101 Technical Report "San Agustin Resource Estimate" effective March 30, 2009 and filed on SEDAR April 16, 2009.
8. For a breakdown of Reserves and Resources by category and for a more detailed description of the key assumptions, parameters and methods used in calculating Silver Standard's Reserves and Resources, see Silver Standard's Annual information Form/ Form 20-F (Amended) on file with Canadian provincial securities regulatory authorities and the U.S. Securities and Exchange Commission and the Mineral Reserves and Resources Summary dated February 2, 2010, available on the company's web site. Percentages by country are calculated on a gross metal value basis combining all resource and reserve categories.
9. Total ounces per share represent the sum of proven and probable reserves, and the sum of measured and indicated mineral resources divided by the number of shares outstanding. Proven and probable mineral reserves, measured and indicated mineral resources and inferred mineral resources are separate categories under NI 43-101. Please refer to the Cautionary Note to US Investors at the beginning of this presentation.

   Silver Standard's exploration programs are designed and conducted under the supervision of Kenneth C. McNaughton, M.A.Sc., P.Eng., Vice President, Exploration, Silver Standard Resources Inc.
10. Based on company shares outstanding at March 22, 2010. Please also refer to footnotes 8 and 9.