SilverCrest Mines Inc.

— PRECIOUS METALS FOCUS —

Corporate Presentation
September 2014

TSX:SVL // NYSE MKT:SVLC

WWW.SILVERCRESTMINES.COM

Disclaimer

The information provided in this presentation is not intended to be a comprehensive review of all matters and developments concerning the Company. It should be read in conjunction with all other disclosure documents of the Company. The information contained herein is not a substitute for detailed investigation or analysis. No securities commission or regulatory authority has reviewed the accuracy or adequacy of the information presented.

Certain technical information contained in this presentation relating to the Santa Elena and La Joya Projects, including but not limited to, estimated mineral resources and reserves, metallurgy, estimated capital and operating costs and estimated production data are derived from the following technical reports for the Santa Elena and La Joya Projects, respectively: "Santa Elena Expansion Pre-Feasibility Study and Open Pit Reserve Update" dated effective April 30, 2013, as amended March 4, 2014; and the "Preliminary Economic Assessment for the La Joya Property" dated effective October 21, 2013, as amended March 4, 2014. The aforementioned reports were filed with the Canadian securities regulators on March 6, 2014, and may be accessible on the SEDAR website at www.sedar.com under the Company's corporate profile. The information contained herein is subject to the assumptions, qualifications and procedures set out in the aforementioned reports and is qualified in its entirety with reference to the full text of these reports.

FORWARD-LOOKING STATEMENTS:

This presentation contains "forward-looking statements" within the meaning of Canadian securities legislation and the United States Securities Litigation Reform Act of 1995. Such forward-looking statements concern the Company's anticipated results and developments in the Company's operations in future periods, planned exploration and development of its properties, plans related to its business and other matters that may occur in the future. These statements relate to analyses and other information that are based on expectations of future performance, including silver and gold production and planned work programs. Statements concerning reserves and mineral resource estimates may also constitute forward-looking statements to the extent that they involve estimates of the mineralization that will be encountered if the property is developed and, in the case of mineral reserves, such statements reflect the conclusion based on certain assumptions that the mineral deposit can be economically exploited.

Forward-looking statements are subject to a variety of known and unknown risks, uncertainties and other factors which could cause actual events or results to differ from those expressed or implied by the forward-looking statements, including, without limitation: risks related to precious and base metal price fluctuations; risks related to fluctuations in the currency markets (particularly the Mexican peso, Canadian dollar and United States dollar); risks related to the inherently dangerous activity of mining, including conditions or events beyond our control, and operating or technical difficulties in mineral exploration, development and mining activities; uncertainty in the Company's ability to raise financing and fund the exploration and development of its mineral properties; uncertainty as to actual capital costs, operating costs, production and economic returns, and uncertainty that development activities will result in profitable mining operations; risks related to reserves and mineral resource figures being estimates based on interpretations and assumptions which may result in less mineral production under actual conditions than is currently estimated and to diminishing quantities or grades of mineral reserves as properties are mined; risks related to governmental regulations and obtaining necessary licenses and permits; risks related to the business being subject to environmental laws and regulations which may increase costs of doing business and restrict our operations; risks related to mineral properties being subject to prior unregistered agreements, transfers, or claims and other defects in title; risks relating to inadequate insurance or inability to obtain insurance; risks related to potential litigation; risks related to the global economy; risks related to the Company's status as a foreign private issuer in the United States; risks related to all of the Company's properties being located in Mexico and El Salvador, including political, economic, social and regulatory instability; and risks related to officers and directors becoming associated with other natural resource companies which may give rise to conflicts of interests.

Should one or more of these risks and uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described in the forward-looking statements. The Company's forward-looking statements are based on beliefs, expectations and opinions of management on the date the statements are made. For the reasons set forth above, investors should not place undue reliance on forward-looking statements. The information contained herein is nota a substitute for detailed investigation or analysis. No securities commission or regulatory authority has reviewed the accuracy or adequacy of the information presented.

All monetary figures are expressed in United States dollars unless otherwise specified.

QUALIFIED PERSON: Under *National Instrument (NI 43-101) Standards of Disclosure for Mineral Projects,* the Qualified Person for this presentation is N. Eric Fier, CPG, P.Eng., President & Chief Operating Officer for SilverCrest Mines Inc., who has reviewed and approved its contents.

SilverCrest – Building The Next Mid-Tier Producer

SIMPLE & PROVEN BUSINESS MODEL	• "Phased Approach" • Good access and infrastructure • Low initial cost and systematic exploration • Environmental and community respect
ROBUST FINANCIAL POSITION	• Cash Operating Costs: one of the lowest in the sector • Attractive profit margins • Near term Free Cash Flow
SEASONED MANAGEMENT	• Expertise to explore, develop and operate mining projects
WELL POSITIONED FOR GROWTH	• Santa Elena: Producing silver gold mine expanding to 3.3 Moz AgEq in 2014 • Organic Growth Through Low Cost Acquisitions - ERMITANO • La Joya: Development Stage Project at PEA stage moving to PFS
MAIN OBJECTIVE	• Build a senior silver-gold producer (+10 Moz AgEq.) through disciplined business strategy

Experienced & Successful Management Team

FOUNDERS

J. Scott Drever, BSc., CEO, Director (45 years experience)
Strategic Planning, Mergers & Acquisitions. Management and operational experience with several production companies, including Placer Dome and Blackdome Mining.

N. Eric Fier, CPG, P.Eng., President & COO, Director (25 years experience)
Operations, Project Evaluation & Management. Previously with Newmont Mining, Eldorado Gold, Pegasus Gold Corp. Involvement in construction and operations of 4 successful mines, including Santa Elena. Several major international discoveries.

Barney Magnusson, CA, CFO, Director (35 years experience)
Served as an Officer and Director of 6 mining (Dayton Mines, High River Gold Mines) companies that developed, constructed or operated 8 precious metals mines in North and South America.

Brent McFarlane, BSc., VP Operations (25 years experience)
Managed all phases of open pit and underground mining projects and instrumental in leading Mexican and Int'l projects through feasibility, construction, and production while working for Minefinders, Kappes Cassiday, TVI Pacific, Marston, and Pegasus Gold.

Marcio Fonseca, P.Geo., VP Corporate Development (20 years experience)
Served as Division Director at Macquarie Metals & Energy Capital with focus on equity and debt financing for the mining sector over the last 9 years. Prior to that, he held corporate positions in business development, project development, operations and exploration with Vale and Phelps Dodge in Latin America.

Tom Keating, VP Finance (10 years experience)
Joined SilverCrest as the Corporate Controller in July 2009, having previously worked with PricewaterhouseCoopers LLP and Davidson and Company LLP specializing in the mining sector. Tom is a member of the Institute of Chartered Accountants of Ireland and holds a Bachelor of Computer Science degree from University College Dublin, Ireland.

Graham C. Thody, CA, Non-Executive Chairman, Director (30 years experience)
Corp. finance and public company management. Director and former President & CEO of UEX Corp., Chairman of the Board of Geologix.

George W. Sanders, Director (30 years experience)
Experience in mining and exploration finance. Previously with Canaccord Capital Corp., Richmont Mines Inc., Consolidated Cinola Mines Ltd., and Shore Gold Inc.

Ross Glanville, P.Eng., CGA, Director (40 years experience)
Experience in mining, exploration finance, valuations and fairness opinions. Director of Archon Minerals Limited, Clifton Star Resources Inc. and Starfield Resources Inc.

Dunham L. Craig, P.Geo., Director (26 years experience)
Experience in mining and operations, exploration discovery to feasibility, financing, permitting, construction and production related to two mines. Currently President & CEO of Geologix Explorations and past experience with Wheaton River Minerals and Glencairn Gold.

Overview of SilverCrest

Financial (Q2|14)	Revenues of $7.7 Million Net Earnings of $1.3 Million Cash Cost per AgEq oz sold of $7.66 AISCC per AgEq oz sold of $12.62 (Estimated Sustaining Capital of $ 6.5 million for remainder of 2014)	
Operations (Q2|14)	173,000 oz Ag 3,995 oz Au	6 months 2014 374,101 oz Ag 11,540 oz Au

Reserves and Resources (April 2013)

Santa Elena: 19.7 mill Ag oz and 327,430 Au oz in RESERVES (LOM 8 years)

8.2 M tonnes @ 1.24 g/t Au, 74.9 g/t Ag (Underground, Leach Pads)

7.9 mill Ag oz and 116K Au oz Indicated Underground RESOURCES

La Joya: 198.6 mill AgEq oz Inferred RESOURCES

(95.9 mill oz Ag, 716K oz Au, 533.2 mill lbs Cu)

*NOTE: Ag Eq based on 60.5:1 ratio

Capital Structure & Trading History

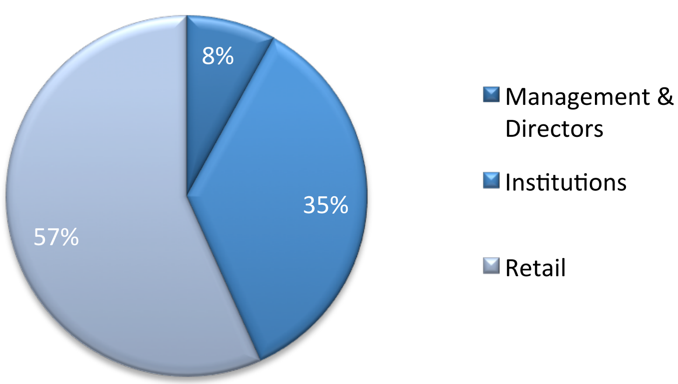
SVL SHARE STRUCTURE

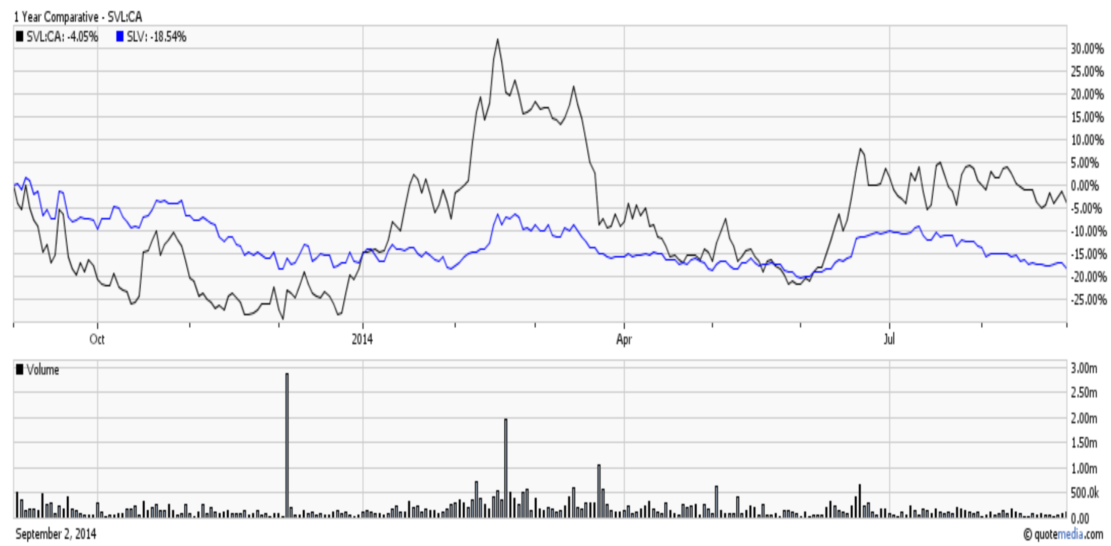
Issued & Outstanding:	118,753,205
Options:	8,255,000
Fully Diluted Shares:	127,008,205
Average Option Price:	CAD $1.84

	TSX	NYSE MKT
90 - Day Avg. Daily Volume:	119,835	227,789
52 Week High / Low:	$3.05 / $1.55	$2.78/$1.46

Share Price (Sep 02, 2014):	CAD $2.13
Market Cap:	CAD $253 M
Working Capital (June 30, 2014):	$44.5 M
Cash and Cash Equivalents (June 30, 2014)	$40.9 M
Available Line of Credit (drawn $15 million hereof)	$30 M

SHAREHOLDER DISTRIBUTIONS *
Fully Diluted (as of June 30, 2014)

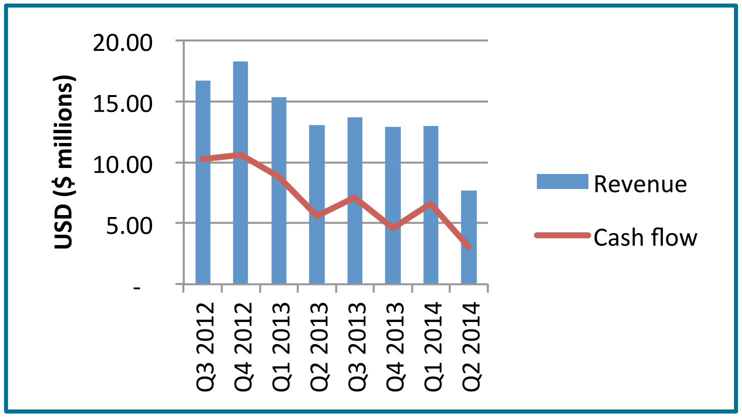




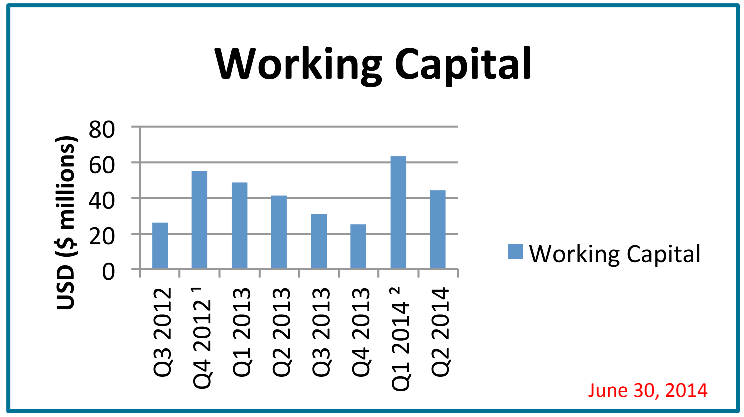
* Source: Bloomberg, SilverCrest

Financial Performance

Revenue & Cash Flow

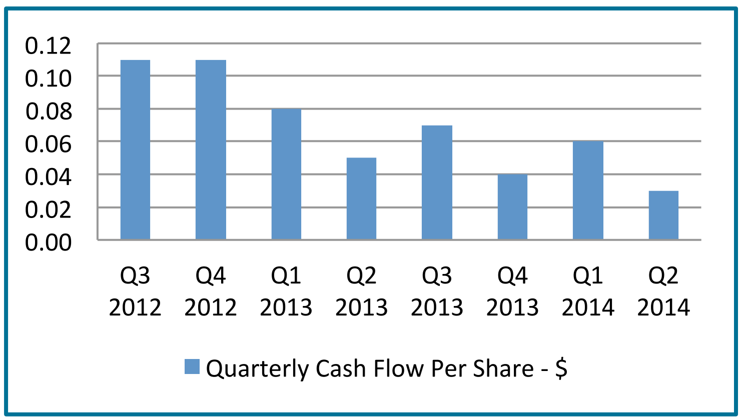


Strong Working Capital of $44.5 M

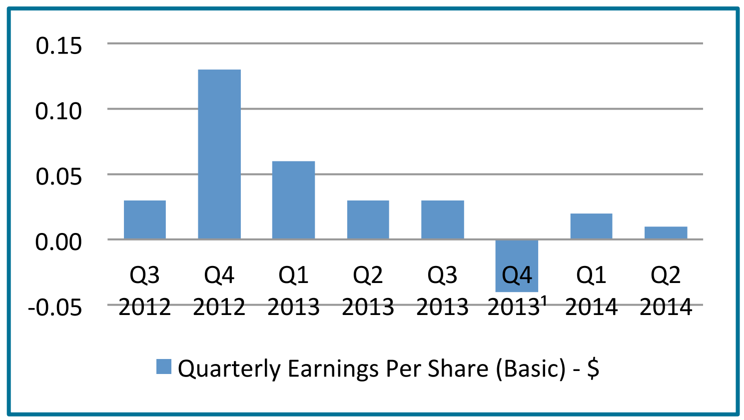


[1] Higher working capital due to bought deal financing and cash flow from operations.
[2] Higher working capital due to bought deal financing

Cash Flow Per Share

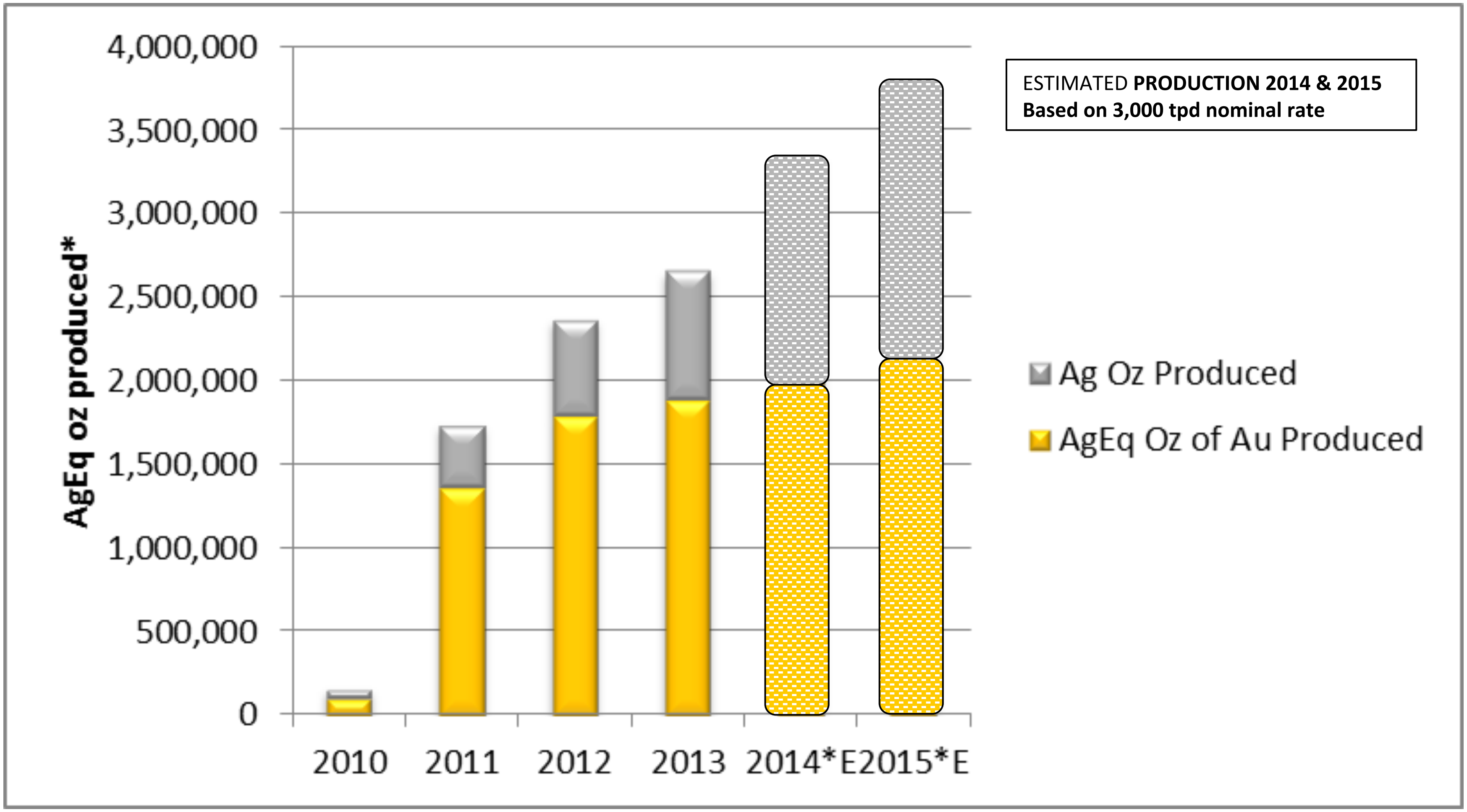


Earnings Per Share



[1] Earnings (loss) per share includes a charge of $5.8 mill to deferred income tax expense due to Mexican Tax Reform

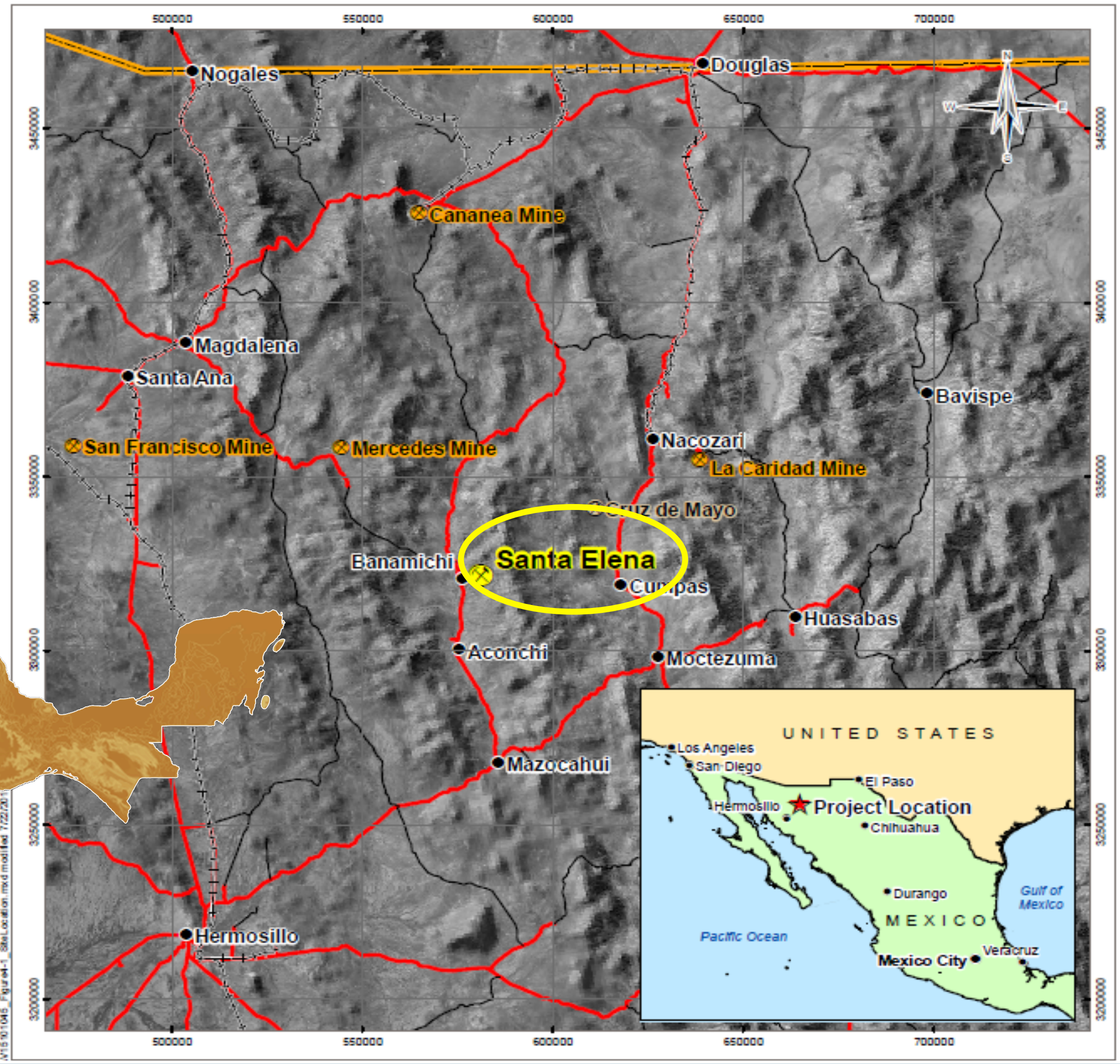
Santa Elena Production Data



(*) Silver Equivalent ratios (Ag:Au) are as follows: 2010: 46:1 (using Kitco historical metal prices); 2011: 50.4:1; 2012: 54.3:1; 2013: 60.5:1

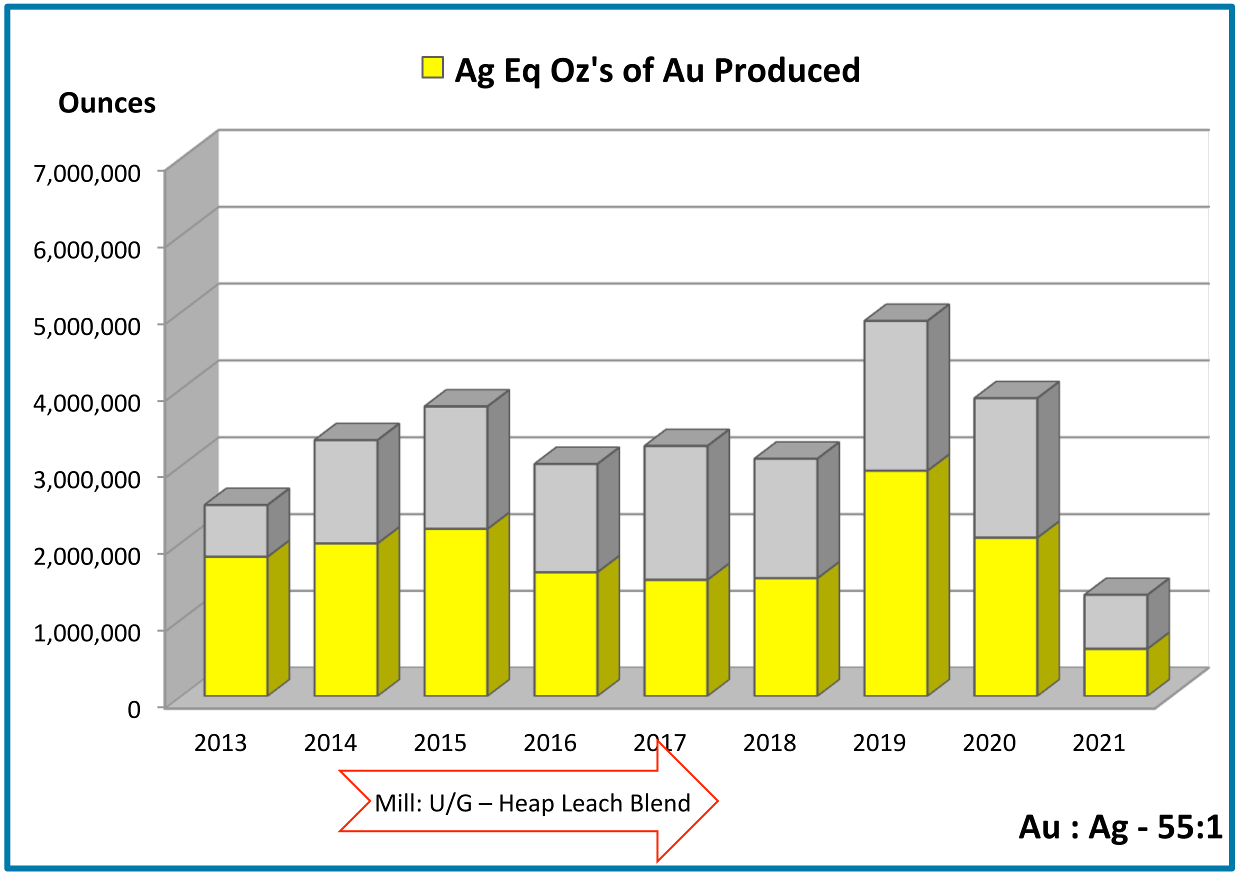
Mexico Properties

Santa Elena Property



Santa Elena Underground Development & New Processing Facility

Santa Elena Expansion Production Profile (3000 tpd Mill) Long Hole Stoping Upfront

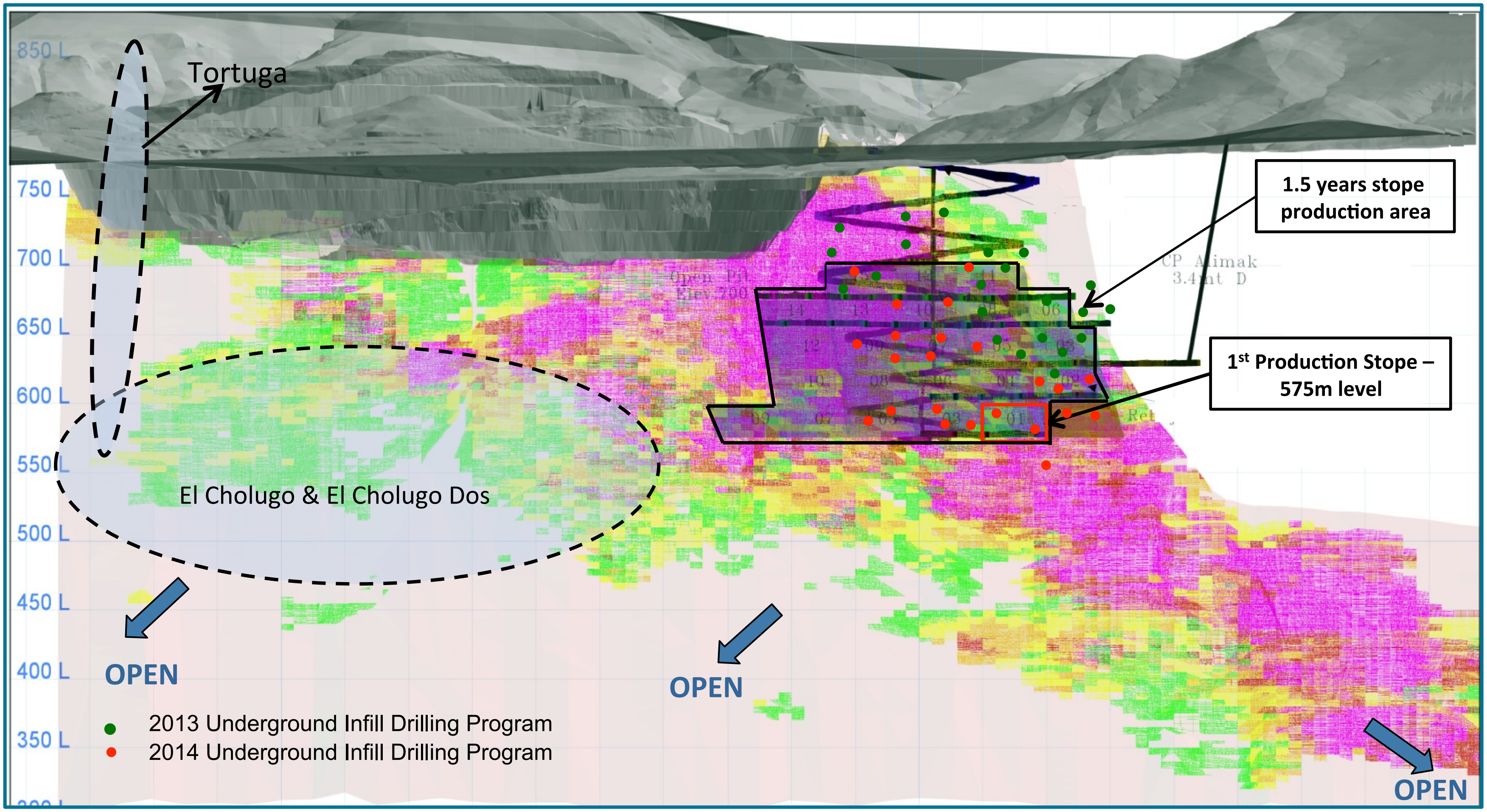


NOTE : Production Profile based on "Expansion PFS April 2013" results.

Potential for extending and increasing production:

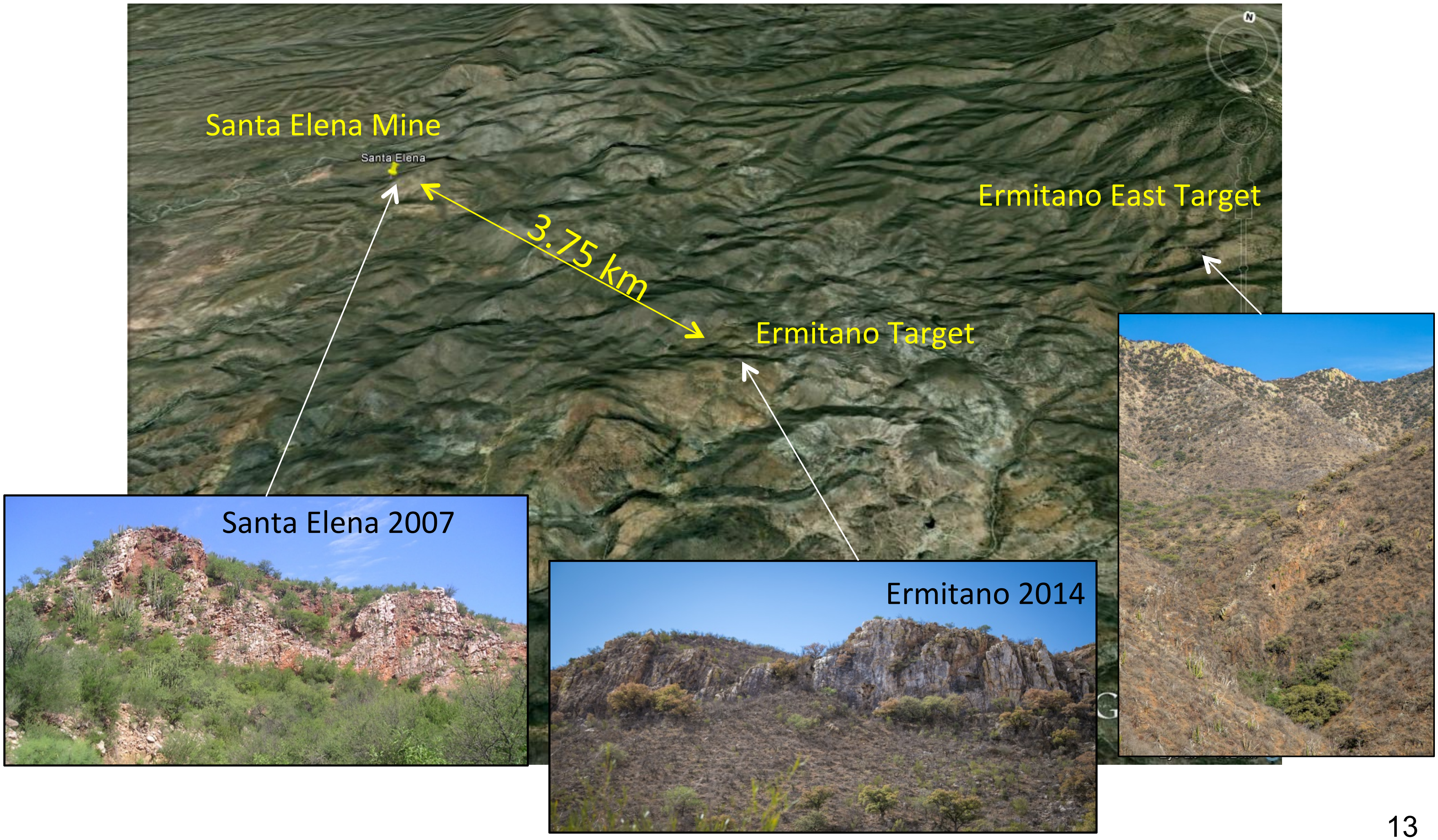
- Optimizing Mill Throughput
- Grade Optimization
- Changing Mine Plan to "Avoca" Method
- Additional Santa Elena Resources from new discoveries

Santa Elena Mine – Current Underground Development



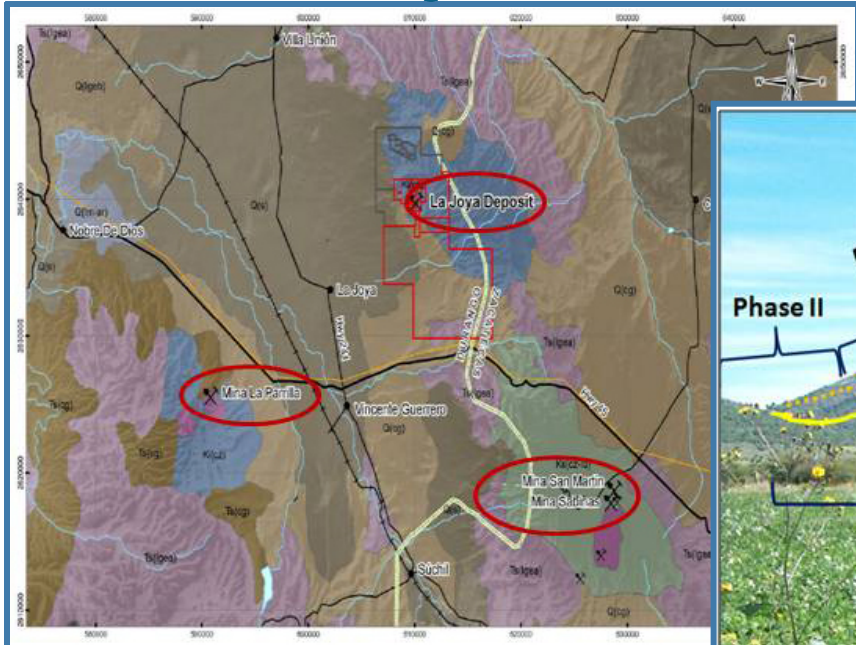
MMZ Long Section A-A', Looking North – Ultimate pit and U/G development: Est. Reserves in pink and Est. Resources in green/yellow.

Santa Elena 30/60 Program – Ermitano Acquisition (Developing Trend)



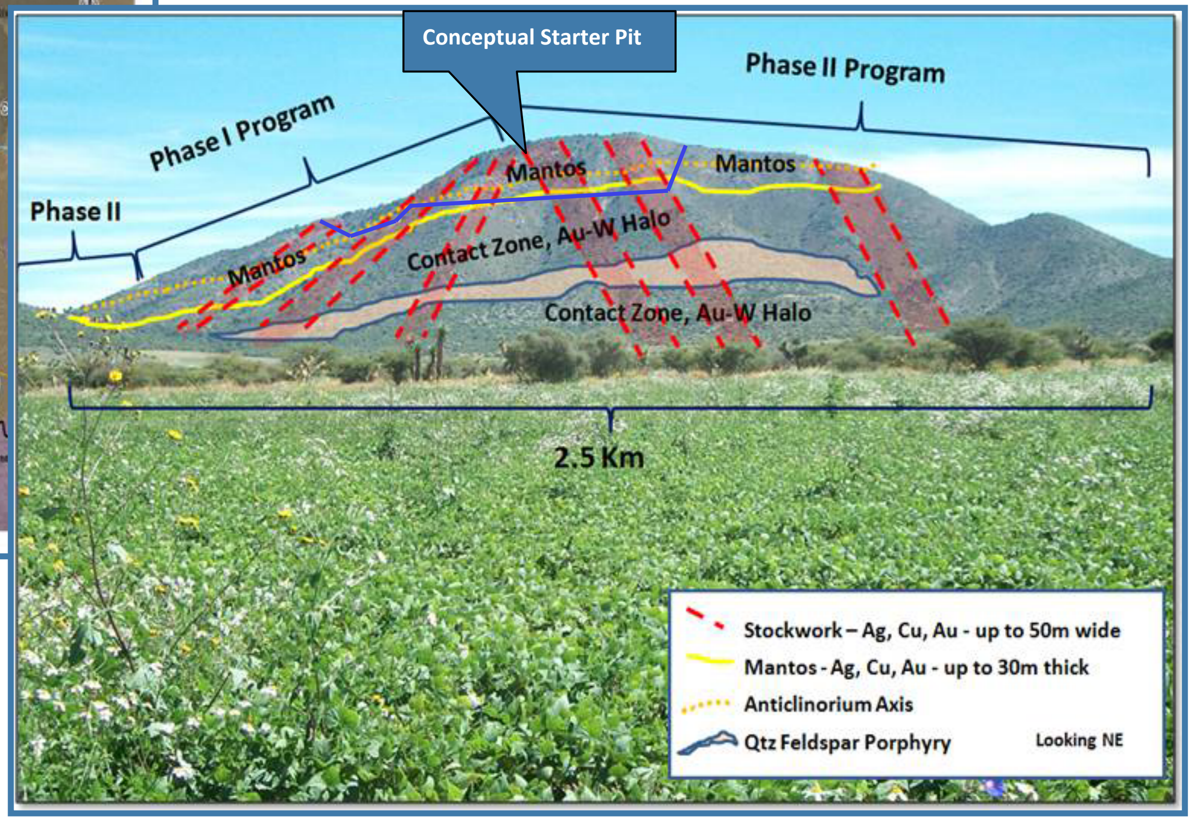
La Joya Project

Location: Durango, Mexico

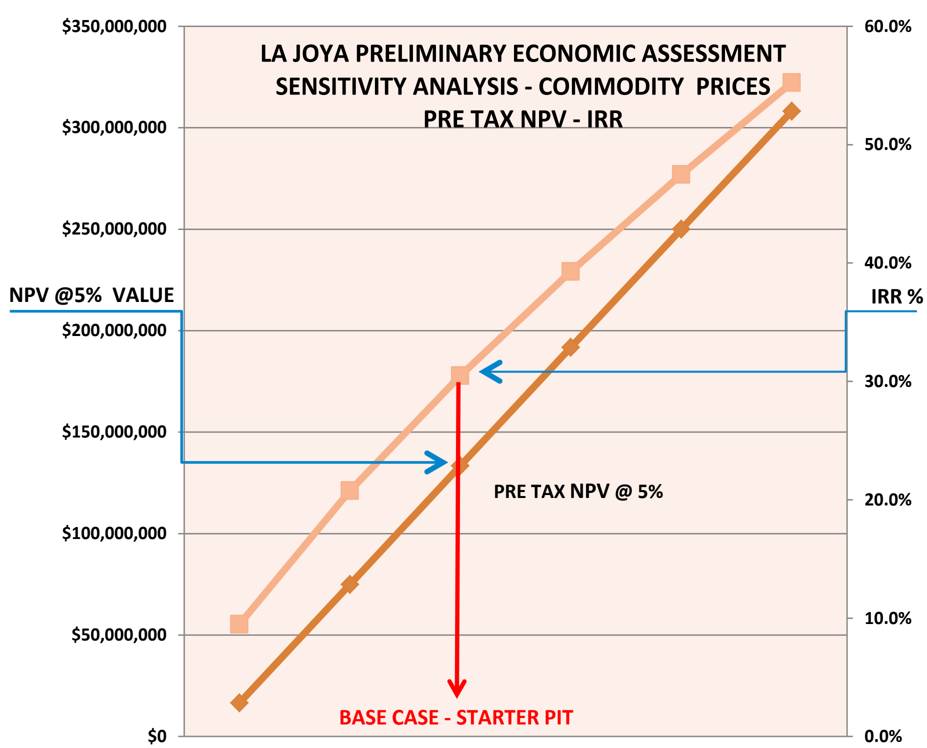


- Excellent Infrastructure & Access: Highway, Railway and Power Lines nearby
- 2 Hour Drive From Durango City & International Airport

Geological Model



La Joya Preliminary Economic Assessment – October 21, 2013



Ag US$/oz	17.60	19.80	22.00	24.20	26.40	28.60
Au US$/oz	960	1080	1200	1320	1440	1560
Cu US$/lb	2.40	2.70	3.00	3.30	3.60	3.90

- Pre-tax NPV @ 5% of $133 million and Internal Rate of Return (“IRR”) of 30.5% (Base Case using $22/oz Ag, $1,200/oz Au and $3/lb Cu). After-tax NPV @ 5% of $92 million and IRR of 22%.
- Pre-production CAPEX of $141 million, including $17 million contingencies
- Cash cost for the first 3 years average $10 per oz AgEq
- Post-tax operating cash flow of $147.4 million
- 9 year LOMP with 15.5 M tonnes grading 50 gpt Ag, 0.33% Cu and 0.19 gpt Au (based on Inferred Resources)
- LOM production of an est. 34.8 M AgEq oz, consisting of 19 million oz of Ag, 53,000 oz of Au and 93 million lbs of copper in concentrate
- Production of an attractive high grade silver-copper concentrate (averaging 35% Cu and 4kg/t Ag) with gold credits

The Company cautions that the PEA is preliminary in nature in that it is based on Inferred Mineral Resources which are considered too speculative geologically to have the economic considerations applied to them that would enable them to be characterized as mineral reserves, and there is no certainty that the PEA will be realized.

La Joya Resource Estimate & Metallurgy

Inferred Resource Estimate (60 gpt cut-off used for PEA, Oct. 21, 2013)

Ag Eq Cut Off g/t	Tonnage (000)	Ag gpt	Cu%	Au gpt	Ag Eq gpt	Ag Oz (000)	Au Oz (000)	Cu Lbs (000)	Ag Eq* Oz (000)
15	126,739	23.5	0.20	0.17	48.7	95,894	716	533,249	198,583
30	71,204	34.4	0.28	0.23	69.8	78,730	524	436,776	159,749
60	**27,927**	**57.5**	**0.47**	**0.28**	**112.2**	**51,646**	**259**	**288,383**	**92,907**

* Silver equivalency includes silver, gold and copper and excludes lead, zinc, molybdenum and tungsten values. Ag:Au is 50:1, Ag:Cu is 86:1, based on 5 year historic metal price trends of US$24/oz silver, US$1200/oz gold, US$3/lb copper. 100% metallurgical recovery is assumed.

** Classified by EBA, A Tetra Tech Company and conforms to NI 43-101 and CIM definitions for resources. All numbers are rounded. Inferred Resources have been estimated from geological evidence and limited sampling and must be treated with a lower level of confidence than Measured and Indicated Resources. The baseline scenario for reporting of Mineral Resources is highlighted in light blue.

*** Mineralization boundaries used in the interpretation of the geological model and resource estimate are based on a cut-off grade of 15 gpt AgEq & 0.05% WO3 using the metal price ratios described above.

Metallurgical Testing – Baseline*

				3RD CLEANER CONCENTRATE (Excluding Leaching)					
COMPOSITE ORE TYPE	HEAD ASSAY			ASSAY			RECOVERY(%)		
	Cu%	Ag g/t	Au g/t	Cu%	Ag g/t	Au g/t	Cu	Ag	Au
Manto	0.35	47	0.19	36.6	4460	12.9	86	77	55
Structure	0.46	64	0.27	33.7	4300	9.61	84	77	40

(*) Source of metallurgical study results :PEA summary dated Oct 21, 2013.

Institutional Holdings

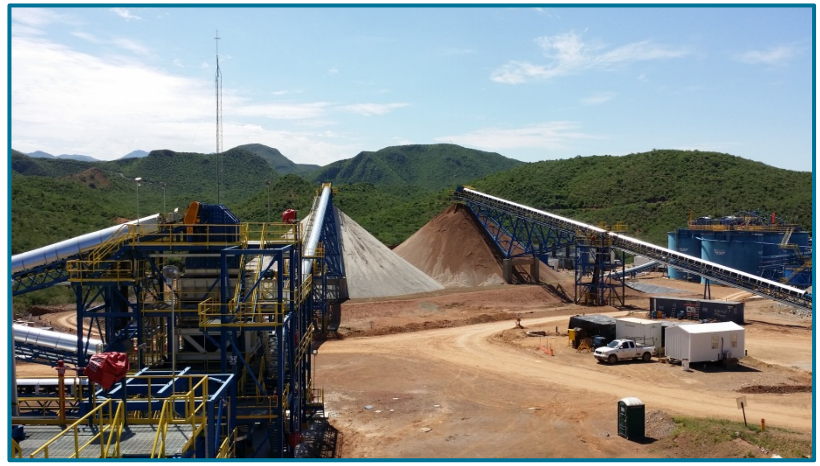
Institutional Investors	
➢ Sprott Inc	6.6%
➢ AGF Investments	5.5%
➢ Libra Advisors	5.0%
➢ RBC Global Asset Mgmt	4.4%
➢ Global X Management Co	2.0%
➢ AGF Management Ltd	
➢ Global Strategy Financial	
➢ IG Investment Management	
➢ Canada Pension Plan Investment	
➢ Great West Life Assurance	
➢ Tocqueville Asset Management	

Analyst Coverage

Firm	Analyst
➢ Cormark Securities	Graeme Jennings
➢ Dundee Capital Markets	Matthew O'Keefe
➢ Haywood Securities	Benjamin Asuncion
➢ Jennings Capital	Stuart McDougall
➢ National Bank Financial	Shane Nagel
➢ PI Financial Corp	Philip Ker
➢ Raymond James	Chris Thompson
➢ Roth Capital	Joe Reagor

Investment Highlights

- Building The Next Mid-Tier Silver-Gold Producer
- High Grade, Low Cost Producer
- Excellent Profit Margins, Strong Balance Sheet
- Near Term Free Cash Flow
- Increase In Production in 2014
- Organic Growth Opportunities
- Expanding Resources & Reserves

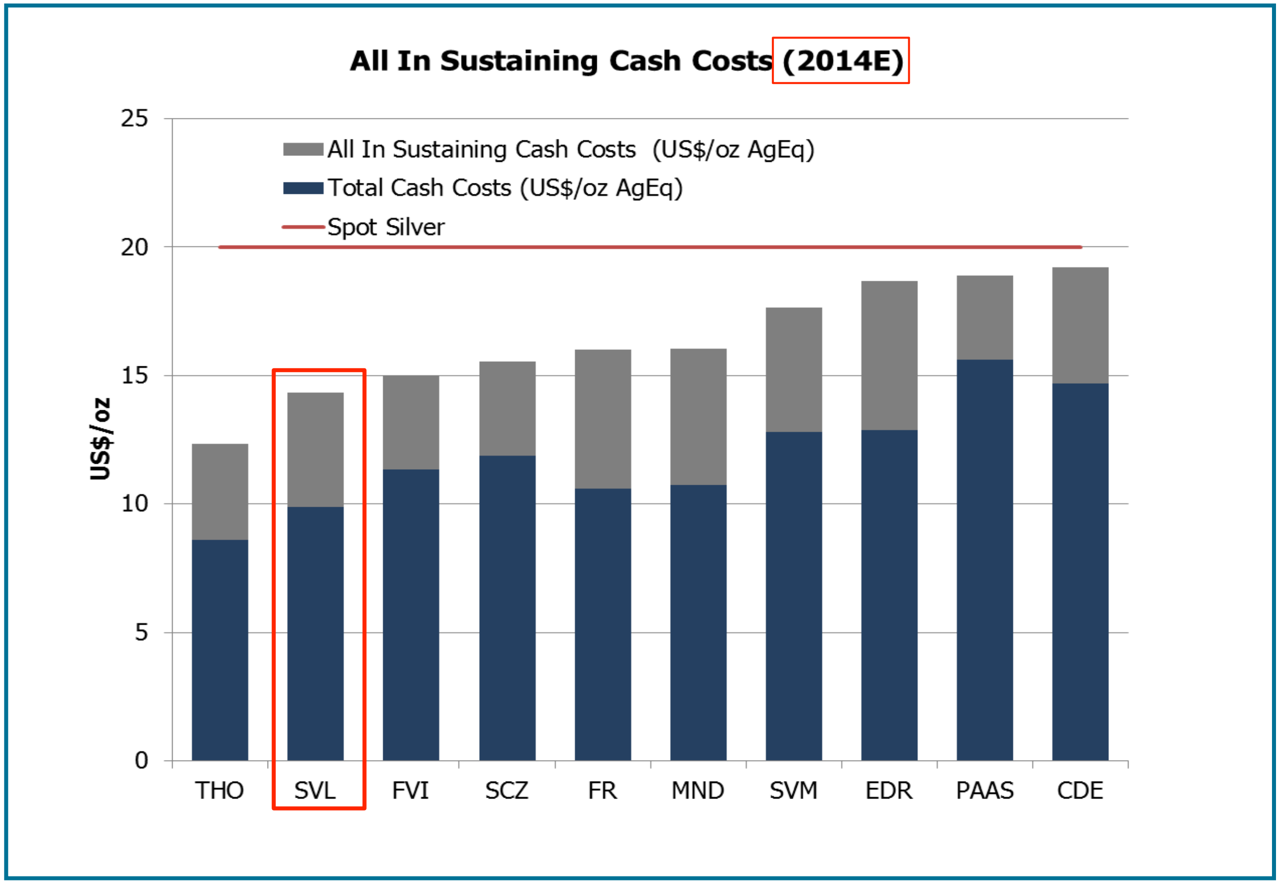


Upcoming Catalysts

- Quarterly Financials and Production Data
- Focus on "Meet or Beat" Market Guidance
- Santa Elena Exploration Updates
- Ermitano drill program to commence soon
- Potential Property Acquisitions – 30/60 km program

Above: Crushing and Screening Area | Below: Leach Tanks & Thickeners

SVL vs. Silver Producer Peer Group - AISCC



Source: Raymond James Ltd., Canadian Equity Research

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