Hecla MINING COMPANY
125 Years SINCE 1891

Third Quarter 2016

Earnings Conference Call

November 8, 2016



Cautionary Statements

Cautionary Statement Regarding Forward Looking Statements,

This presentation contains "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, which are intended to be covered by the safe harbor created by such sections and other applicable laws, including Canadian Securities laws. Such forward-looking statements may include, without limitation: (i) estimates of future production and sales and shareholder value; (ii) estimates of future costs and cash cost, after by-product credits per ounce of silver/gold, including the expected cost of the #4 Shaft project; (iii) projections for 2016 for silver and gold production, silver equivalent production, cash cost, after by-product credits, capital expenditures and pre-development and exploration expenditures (which assumes metal prices of gold at $1,150/oz., silver at $14.50/oz., zinc at $0.75/lb. and lead at $0.80/lb. and USD/CAD assumed to be $0.75, USD/MXN assumed to be $0.06); (iv) expectations regarding the development, growth and exploration potential of the Company's projects; (v) expectations of adding reserves and resources; (vi) the possibility of increasing production due to accessing higher grade material and surface pits at Casa Berardi; (vii) possible strike extensions of veins at San Sebastian including potential to mine underground; (viii) expectations of grade increases at depth at Lucky Friday and the ability to have an operational #4 Shaft by year end Q4 2016; (ix) estimates or expectations of future events or results are based upon certain assumptions, which may prove to be incorrect. Such assumptions, include, but are not limited to: (i) there being no significant change to current geotechnical, metallurgical, hydrological and other physical conditions; (ii) permitting, development, operations and expansion of the Company's projects being consistent with current expectations and mine plans; (iii) political/regulatory developments in any jurisdiction in which the Company operates being consistent with its current expectations; (iv) the exchange rate for the Canadian dollar to the U.S. dollar, being approximately consistent with current levels; (v) certain price assumptions for gold, silver, lead and zinc; (vi) prices for key supplies being approximately consistent with current levels; (vii) the accuracy of our current mineral reserve and mineral resource estimates; and (viii) the Company's plans for development and production will proceed as expected and will not require revision as a result of risks or uncertainties, whether known, unknown or unanticipated. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, such statements are subject to risks, uncertainties and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by the "forward-looking statements." Such risks include, but are not limited to gold, silver and other metals price volatility, operating risks, currency fluctuations, increased production costs and variances in ore grade or recovery rates from those assumed in mining plans, community relations, conflict resolution and outcome of projects or oppositions, litigation, political, regulatory, labor and environmental risks, and exploration risks and results, including that mineral resources are not mineral reserves, they do not have demonstrated economic viability and there is no certainty that they can be upgraded to mineral reserves through continued exploration. For a more detailed discussion of such risks and other factors, see the Company's 2015 Form 10-K, filed on February 23, 2016 with the Securities and Exchange Commission (SEC), as well as the Company's other SEC filings. The Company does not undertake any obligation to release publicly revisions to any "forward-looking statement," including, without limitation, outlook, to reflect events or circumstances after the date of this presentation, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws. Investors should not assume that any lack of update to a previously issued "forward-looking statement" constitutes a reaffirmation of that statement. Continued reliance on "forward-loo king statements" is at investors' own risk.

Cautionary Note Regarding Estimates of Measured, Indicated and Inferred Resources

The United States Securities and Exchange Commission (SEC) permits mining companies, in their filings with the SEC, to disclose only reserves, which are those mineral deposits that a company can economically and legally extract or produce. We use certain terms in this presentation, such as "resource," "measured resources," "indicated resources," and "inferred resources" that are recognized by Canadian regulations, but that SEC guidelines generally prohibit U.S. registered companies from including in their filings with the SEC, except in certain circumstances. U.S. investors are urged to consider closely the disclosure in our most recent Form 10-K and Form 10-Q. You can review and obtain copies of these filings from the SEC's website at www.sec.gov.

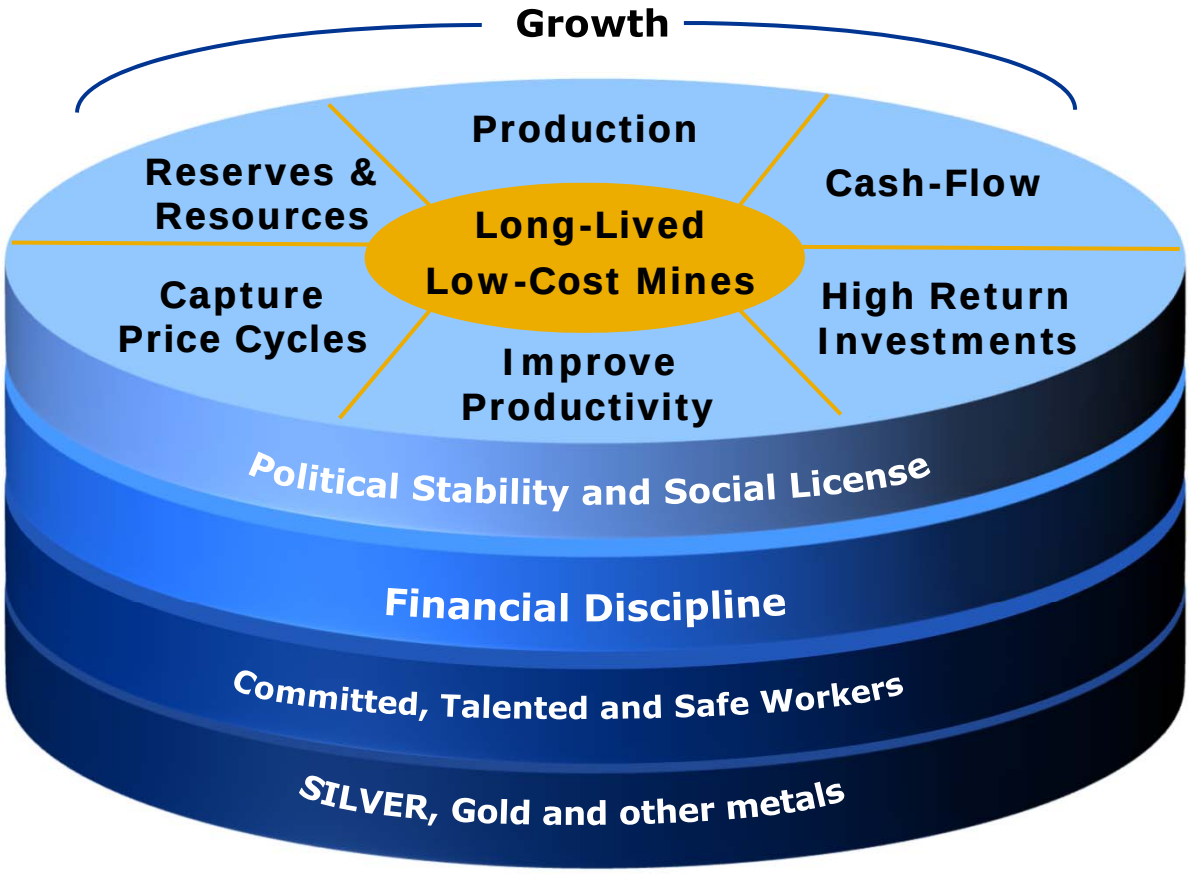
Qualified Person (QP) Pursuant to Canadian National Instrument 43-101

Dean McDonald, PhD. P.Geo., Senior Vice President - Exploration of Hecla Mining Company, who serves as a Qualified Person under National Instrument 43-101("NI 43-101"), supervised the preparation of the scientific and technical information concerning Hecla's mineral projects in this presentation. Information regarding data verification, surveys and investigations, quality assurance program and quality control measures and a summary of analytical or testing procedures for the Greens Creek Mine are contained in a technical report titled "Technical Report for the Greens Creek Mine" effective date March 28, 2013, and for the Lucky Friday Mine are contained in a technical report titled "Technical Report for the Lucky Friday Mine Shoshone County, Idaho, USA" effective date April 2, 2014, for Casa Berardi are contained in a technical report titled "Technical Report on the mineral resource and mineral reserve estimate for Casa Berardi Mine, Northwestern Quebec, Canada" effective date March 31, 2014 (the "Casa Berardi Technical Report"), and for the San Sebastian Mine, Mexico, are contained in a technical report prepared for Hecla titled "Technical Report for the San Sebastian Ag-Au Property, Durango, Mexico" effective date September 8k 2015. Also included in these four technical reports is a description of the key assumptions, parameters and methods used to estimate mineral reserves and resources and a general discussion of the extent to which the estimates may be affected by any known environmental, permitting, legal, title, taxation, socio-political, marketing or other relevant factors. Copies of these technical reports are available under Hecla's and Aurizon's profiles on SEDAR at www.sedar.com. The Casa Berardi Technical Report was reviewed by Dr. McDonald on behalf of Hecla. To the best of Hecla's knowledge, information and belief, there is no new material scientific or technical information that would make the disclosure of the mineral resources and mineral reserves for Casa Berardi in this document inaccurate or misleading.

Cautionary Note Regarding Non-GAAP measures

Cash cost per ounce of silver and gold, net of by-product credits, EBITDA, adjusted EBITDA, cash flow represent non-U.S. Generally Accepted Accounting Principles (GAAP) measurement. A reconciliation of this non-GAAP measure to the most comparable GAAP measurement can be found in the Appendix.

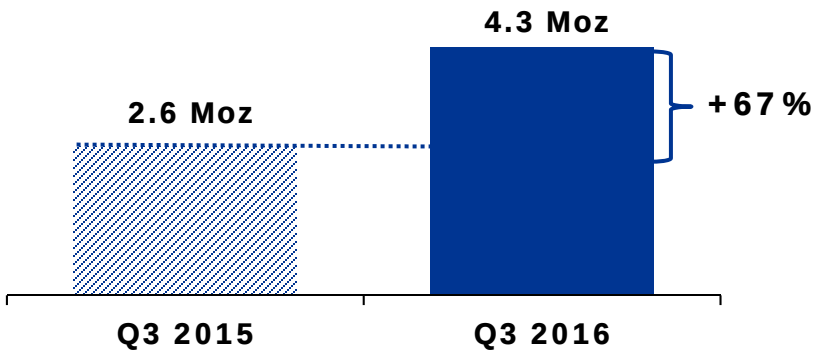
Strategy Creates Per Share Value



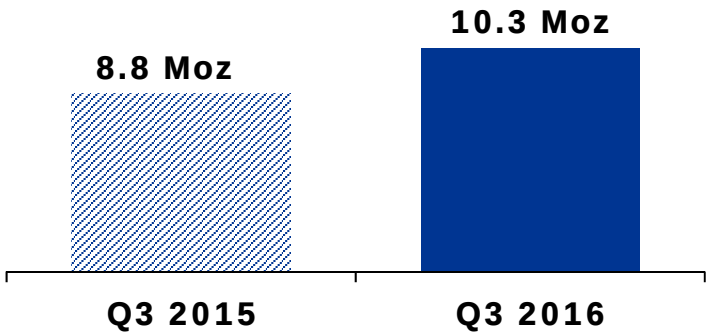
LONG TERM GOALS: Investment Grade & S&P 500 Listing

Strong Production Growth

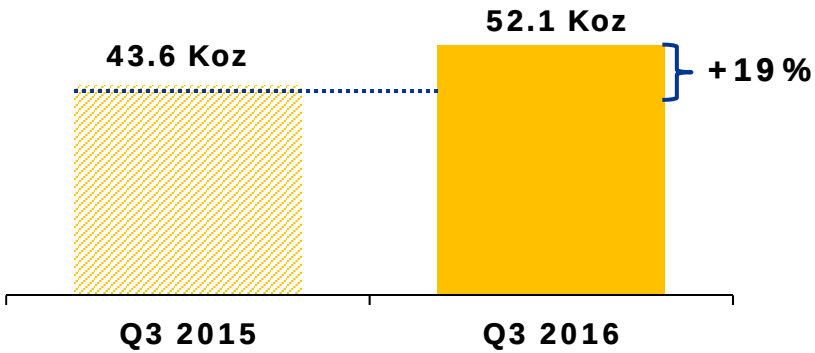
Silver Production Growth



AgEq[1] Production Growth



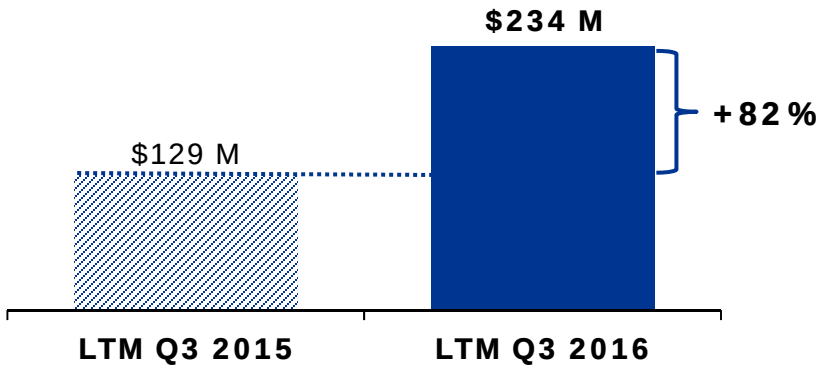
Gold Production Growth



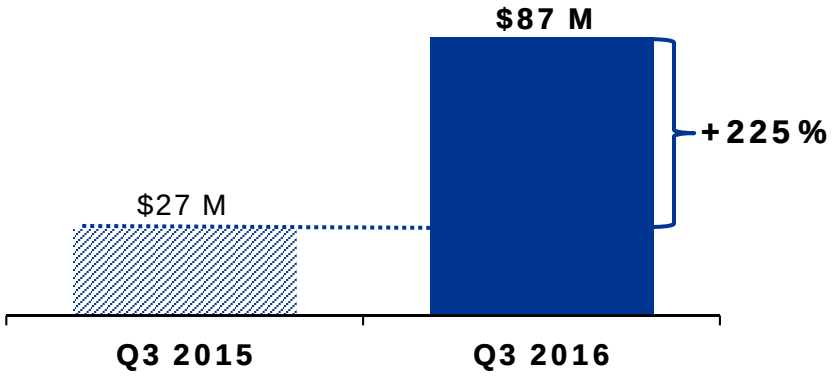
It all starts with production, which has increased significantly

Production Generates Financial & Share Performance

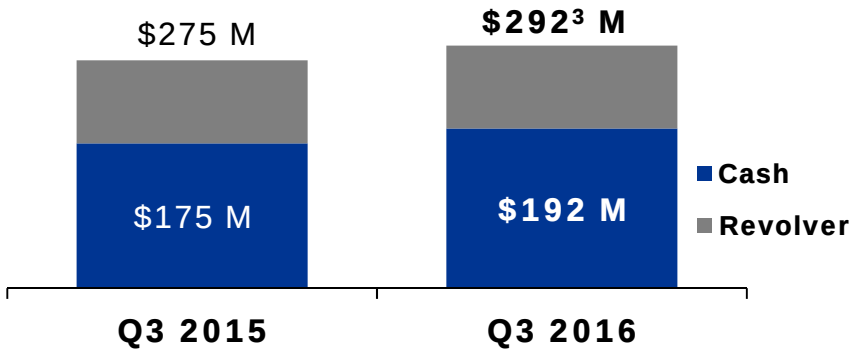
LTM Adjusted EBITDA[2]: On Track For A Record Year



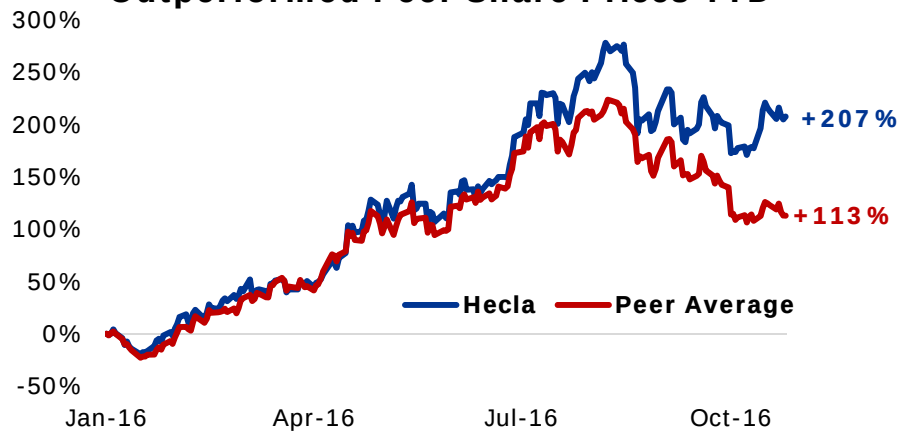
Growing Cash Flow From Operations



Liquidity: Strong and Getting Stronger



Outperformed Peer Share Prices YTD



Peers include: Pan American Silver, Tahoe, Coeur Mining, First Majestic, Silver Standard Source: Bloomberg, January 4, 2016 – October 28, 2016

Completed the Montanore Acquisition

Rock Creek & Montanore Silver Resources Greater Than Hecla's Reserves

Total Hecla		Rock Creek	Montanore
(proven & probable)[4]		(inferred resource)[5]	(inferred resource)
175 million oz. Silver		229 million oz. Silver	231 million oz. Silver
		2 billion lbs. Copper	2 billion lbs. Copper

2016 Expectations:
Higher Production, Lower Cost

Bold=Changed estimate

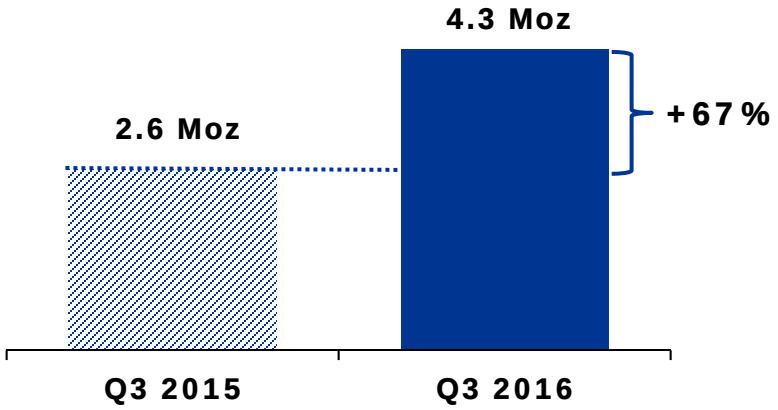
Mine	2016E[6] Silver Production (Moz)	2016E Gold Production (oz)	Cash cost, after by-product credits, per silver/gold ounce[7]
Greens Creek	**8.5**	53,000	$5.00 per silver oz
Lucky Friday	**3.4**		$9.00 per silver oz
San Sebastian	4.35	35,000	**($2.00)** per silver oz
Casa Berardi		145,000	**$750** per gold oz
Total	**16.25**	233,000	**$4.00** per silver oz
AgEq[8] Production:	**44.5**		
AuEq[8] Production:		**582,000**	

2016E capital expenditures[9] (excluding capitalized interest)	$150 Million
2016E pre-development and exploration expenditures	$19 Million

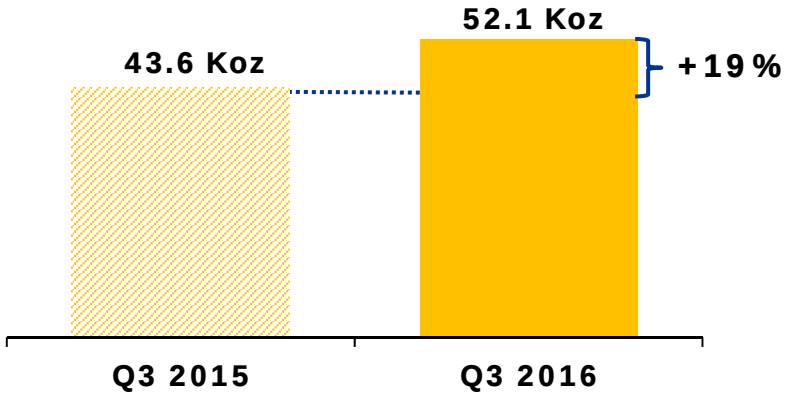
Financial Review

Q3 2016: Strong Financial Performance

Silver Production



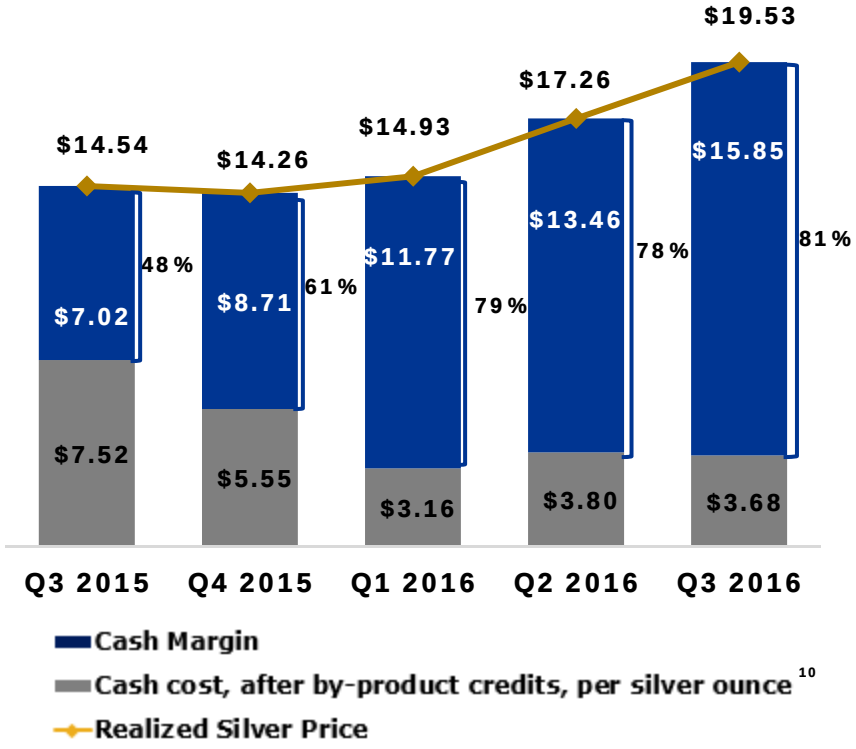
Gold Production



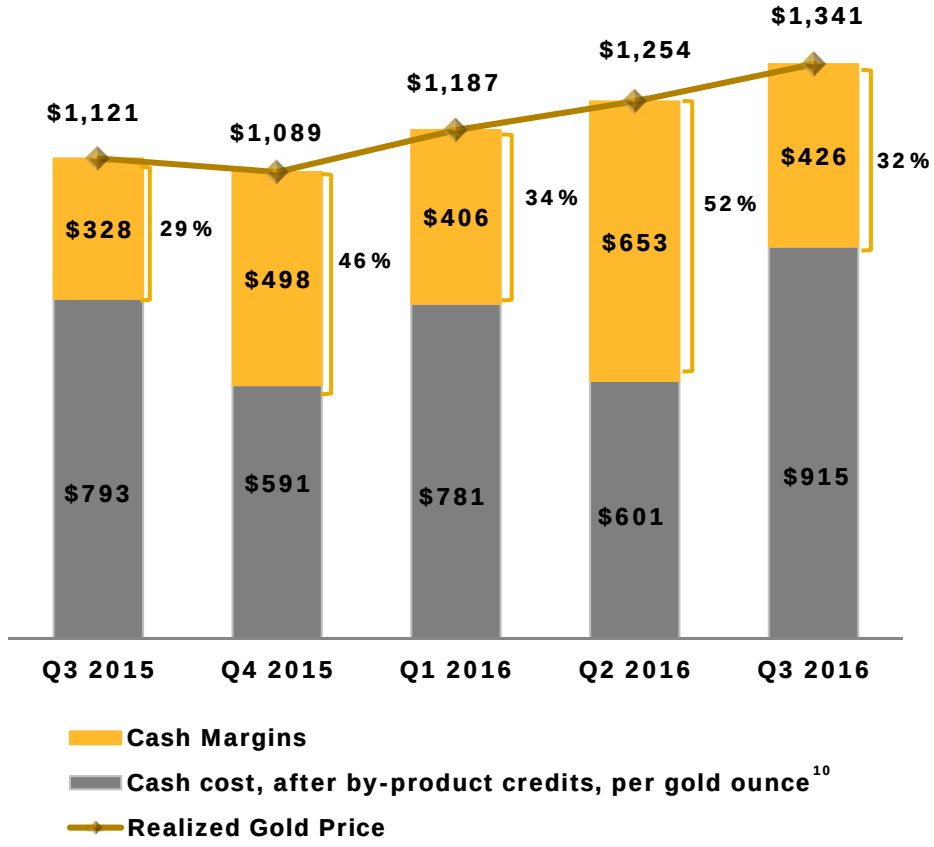
	Q3 2016	Q3 2015
Revenue	**$179.4 M**	$104.9 M
Cash provided by operating activities	**$87.0 M**	$26.8 M
Cash cost, after by-product credits, per silver oz[10]	**$3.68/oz**	$7.52/oz
Cash cost, after by-product credits, per gold oz[10]	**$915/oz**	$793/oz

Silver and Gold Margin Expansion

Silver Margins



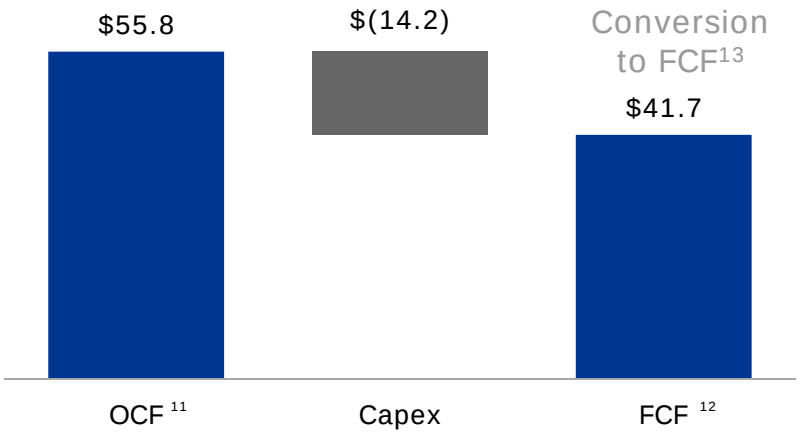
Gold Margins



Q3 2016: Strong Mine Free Cash Flow

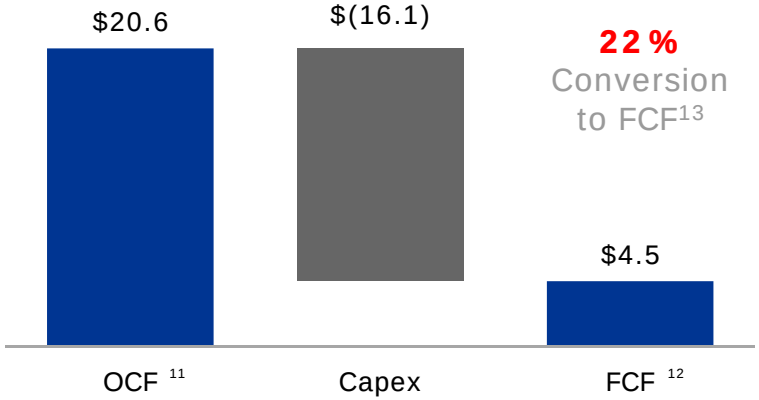
Numbers in millions (USD)

Greens Creek



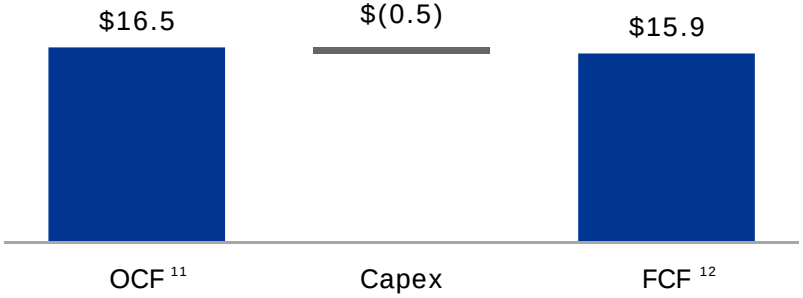
75% Conversion to FCF[13]

Casa Berardi



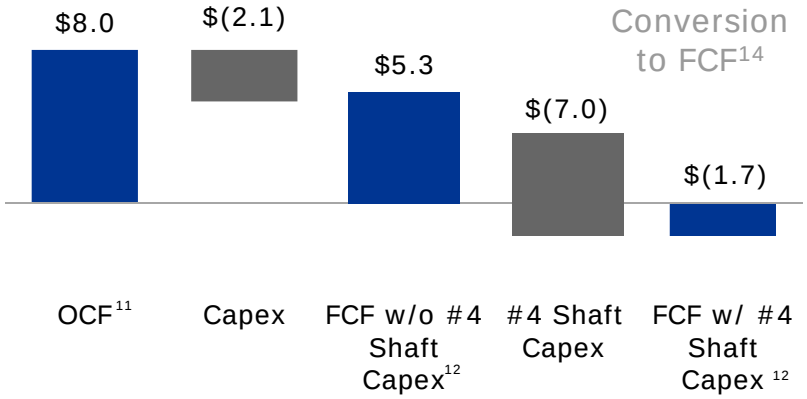
22% Conversion to FCF[13]

San Sebastian



96% Conversion to FCF[13]

Lucky Friday



66% Conversion to FCF[14]

Diversified Revenue Stream Q3 2016

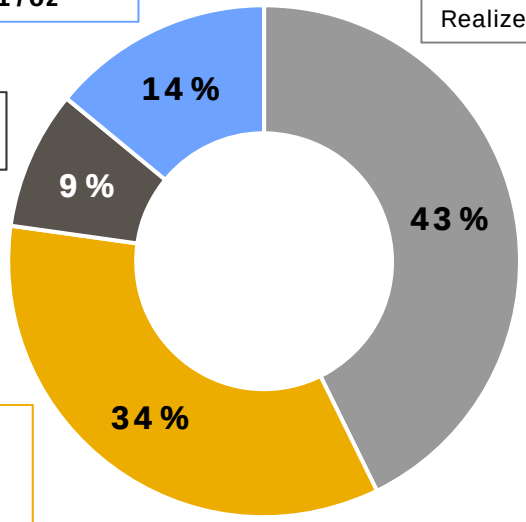
Mitigates Risk and Enhances Economics

#1 Silver and #3 Lead and Zinc Producer in the U.S.

Zinc Production: **14.8 Ktons**
Realized Price: **$1.01/oz**

Silver Production: **4.3 Moz**
Cash Costs, after by-product credits: **$3.68/oz**[10]
Realized Price: **$19.53/oz**

Lead Production: **10.4 Ktons**
Realized Price: **$0.86/oz**

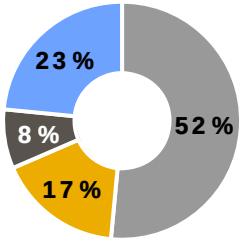


Gold Production: **52.1 Koz**
Cash Costs, after by-product credits: **$915/oz**[10]
Realized Price: **$1,341/oz**

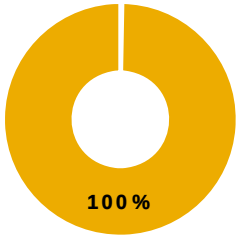
■ **Silver** ■ **Gold** ■ **Lead** ■ **Zinc**

Q3 2016 Margins
Silver Margin: **$15.85/oz**
Gold Margin: **$427/oz**

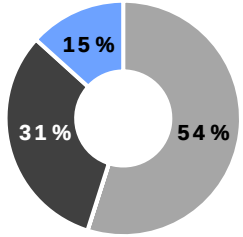
Greens Creek
48% of
Total Revenue



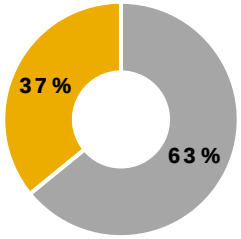
Casa Berardi
23% of
Total Revenue



Lucky Friday
14% of
Total Revenue

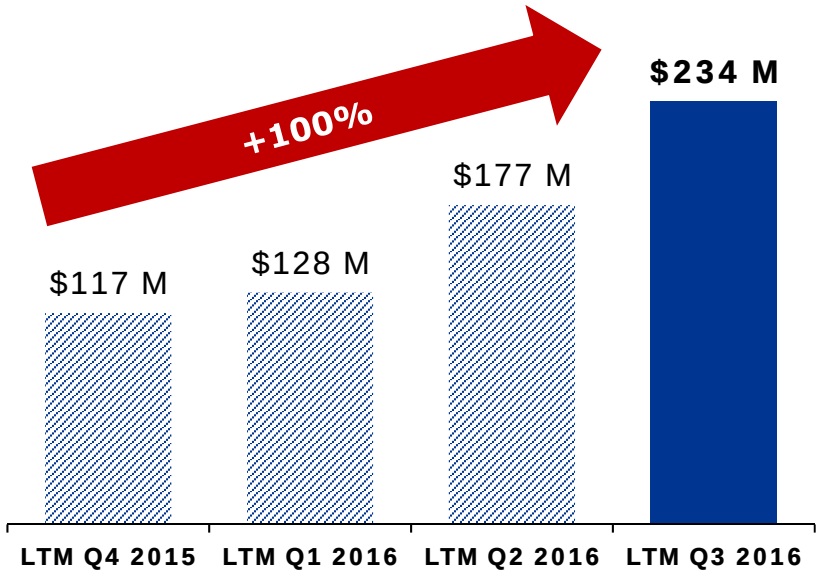


San Sebastian
15% of
Total Revenue

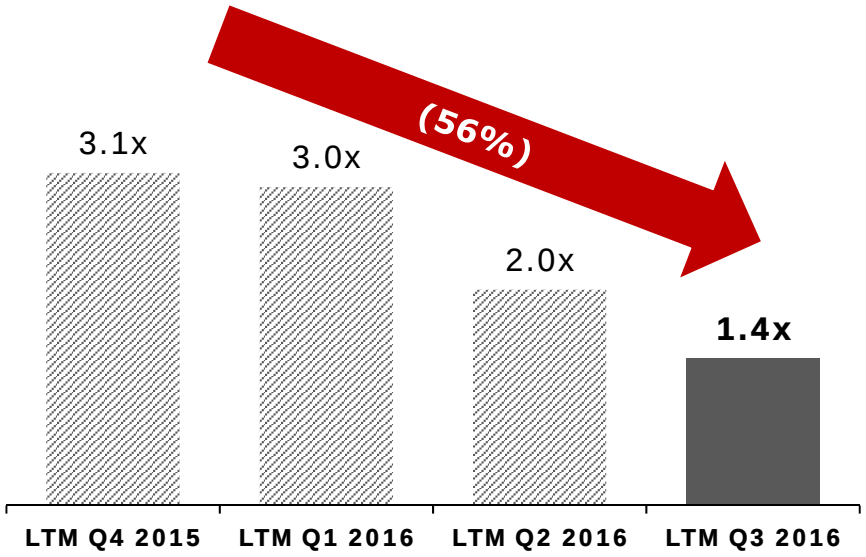


Improving Debt Metrics

LTM* Adjusted EBITDA[2]



Net Debt/LTM Adjusted EBITDA[15]

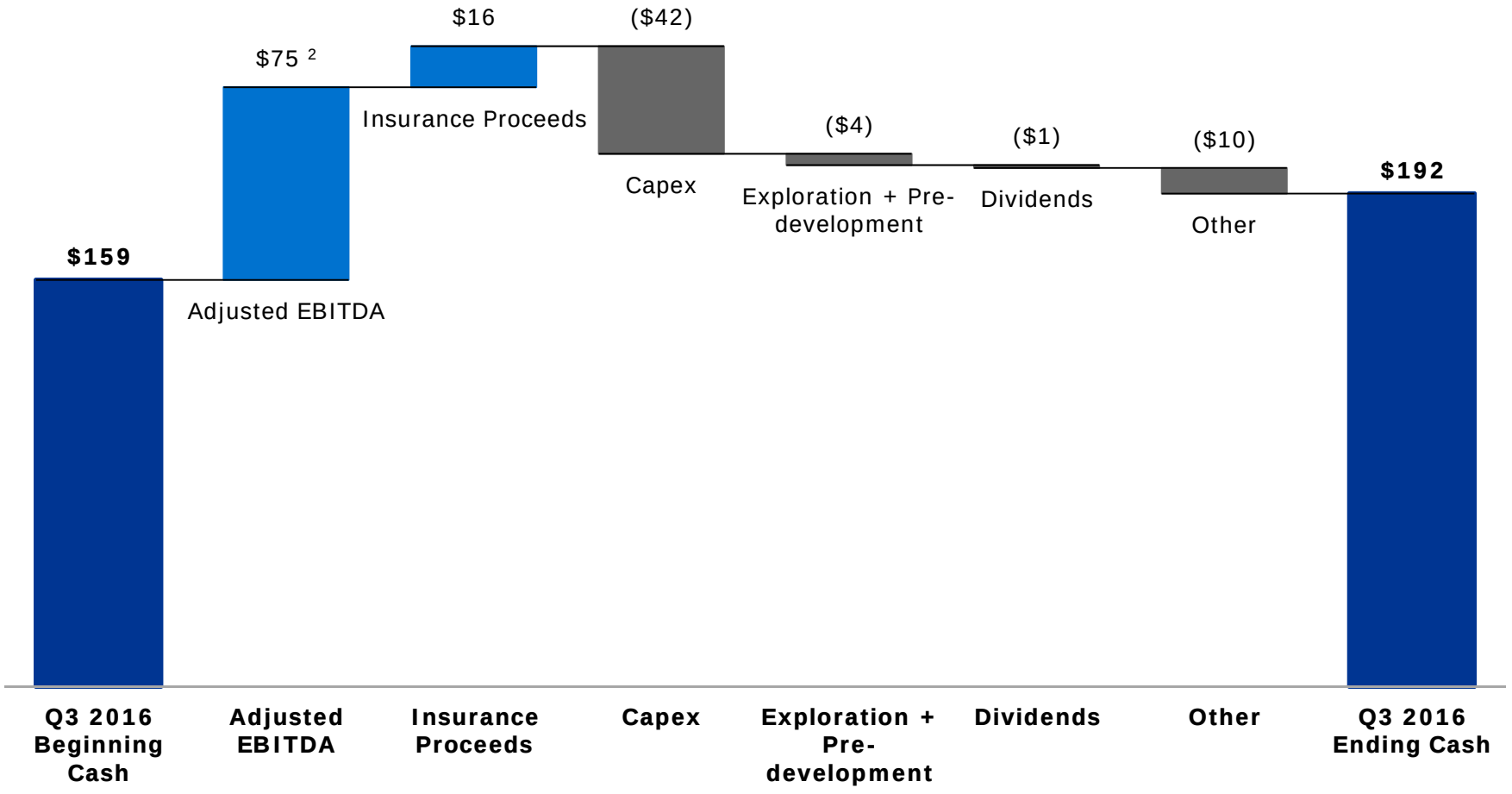


Four Consecutive Quarters of Improving Debt Metrics

* LTM = Last twelve months

Q3 2016 Waterfall Chart:
Increasing cash balances

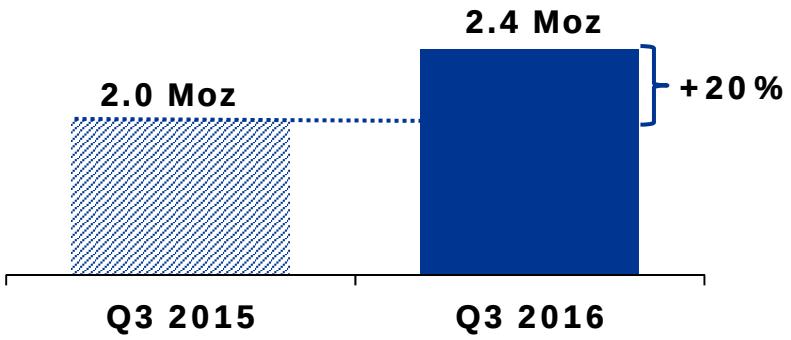
Numbers in millions (USD)



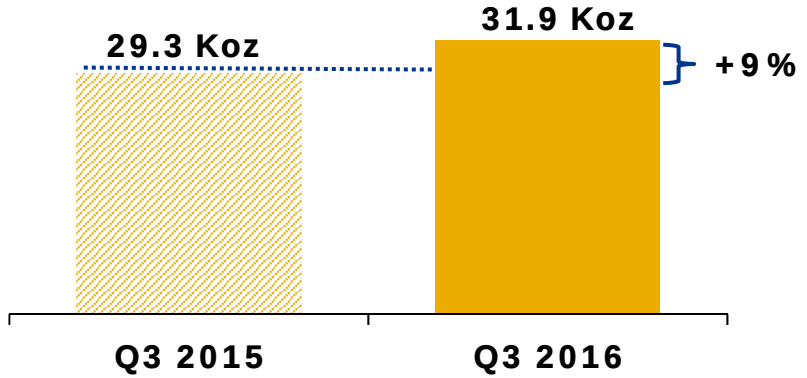
Operations Review

Strong Q3 2016 Production

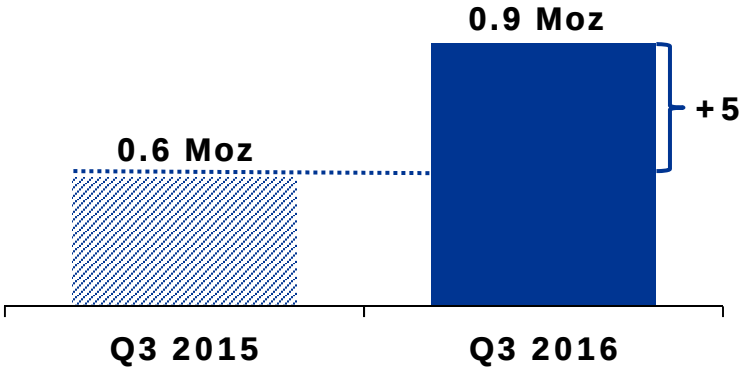
Greens Creek Silver Production



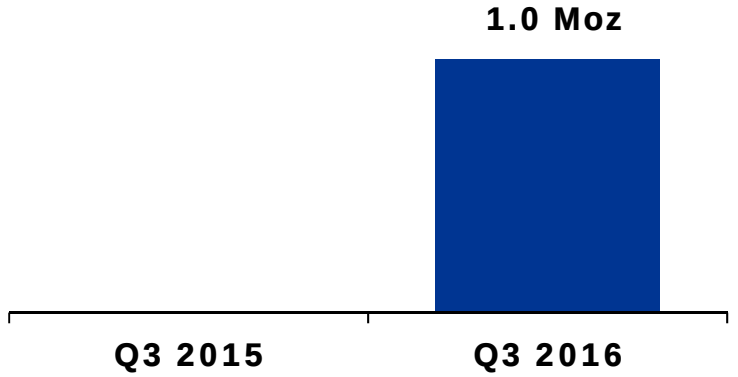
Casa Berardi Gold Production



Lucky Friday Silver Production



San Sebastian Silver Production*

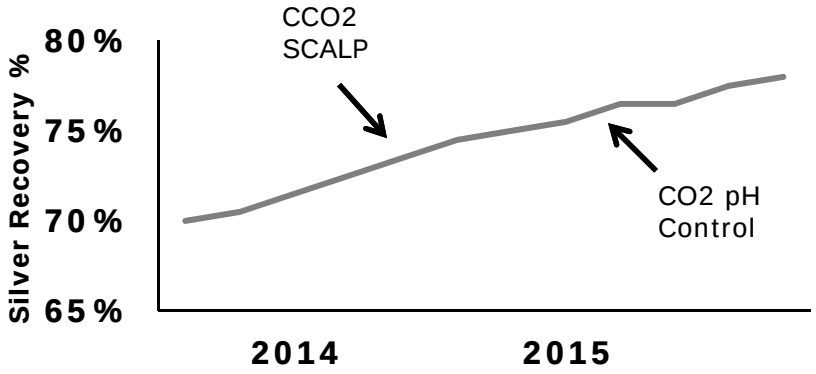


*San Sebastian began production in December 2015.

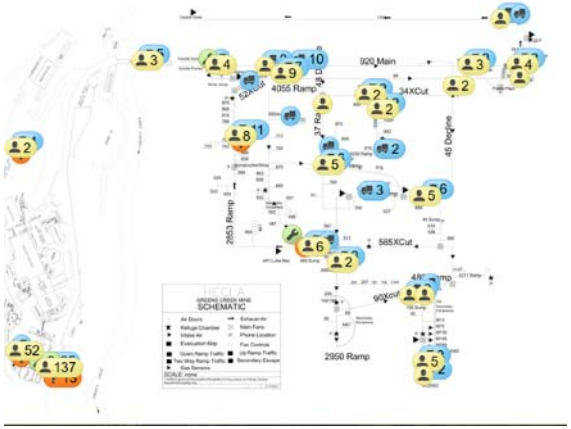
Greens Creek: Investing in Productivity Improvements

Average Recoveries Have Increased 7%

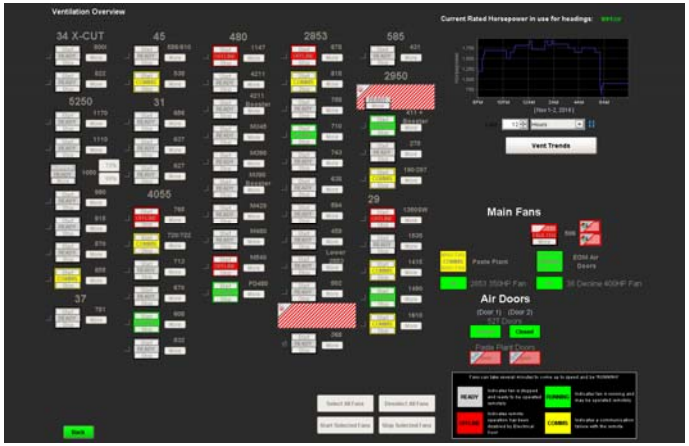
Adding $100 M Value, More Projects to Come



Improving Mining Based On Data



Working to Reduce Power Costs



Installing Tele-Remote Mucking & Autonomous Trucking

Up to 15% more productivity



Casa Berardi: Multiple Stage Pits Move Up Cash Flow

New permit increases throughput





Previous permit:

- 1,100,000 tonnes per year (1,213,000 tons)

New permit:

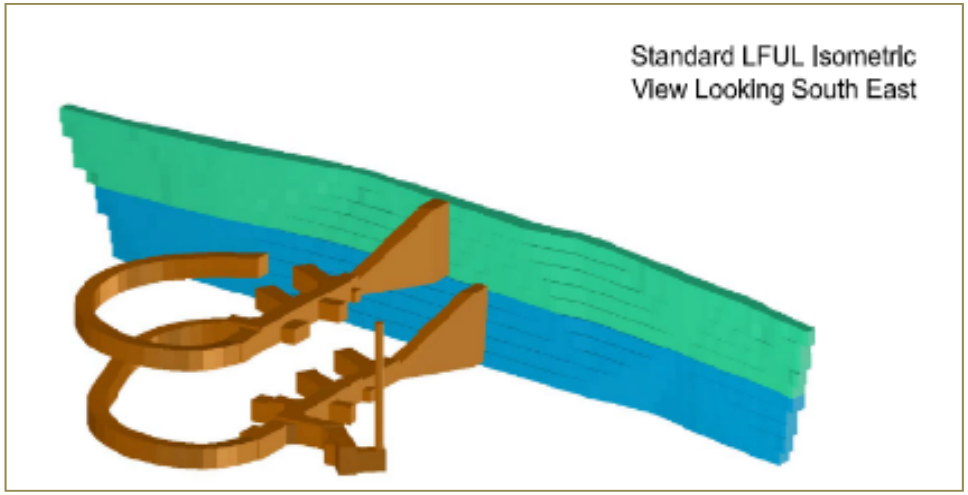
- 1,250,000 tonnes per year (1,378,000 tons)

Lucky Friday: New Mining Technique

Increase Cash Flows, Lower Development

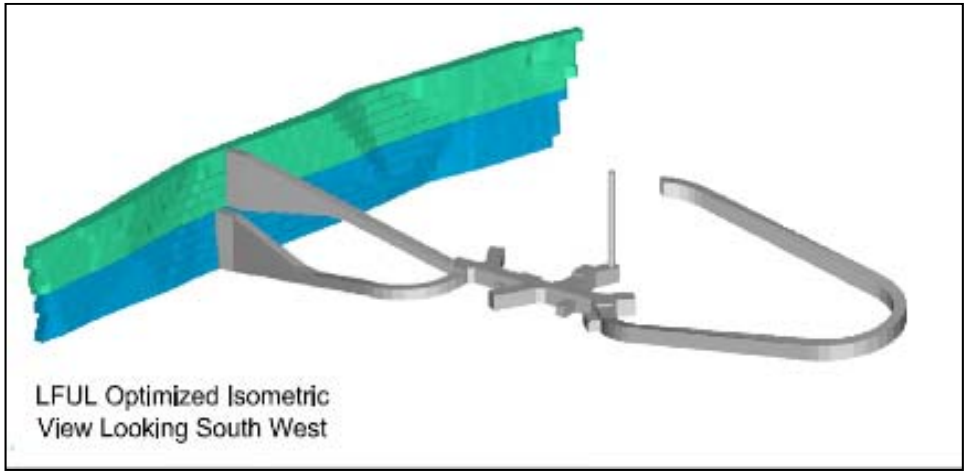
Standard LFUL:

- 5 cuts per ramp



Optimized LFUL:

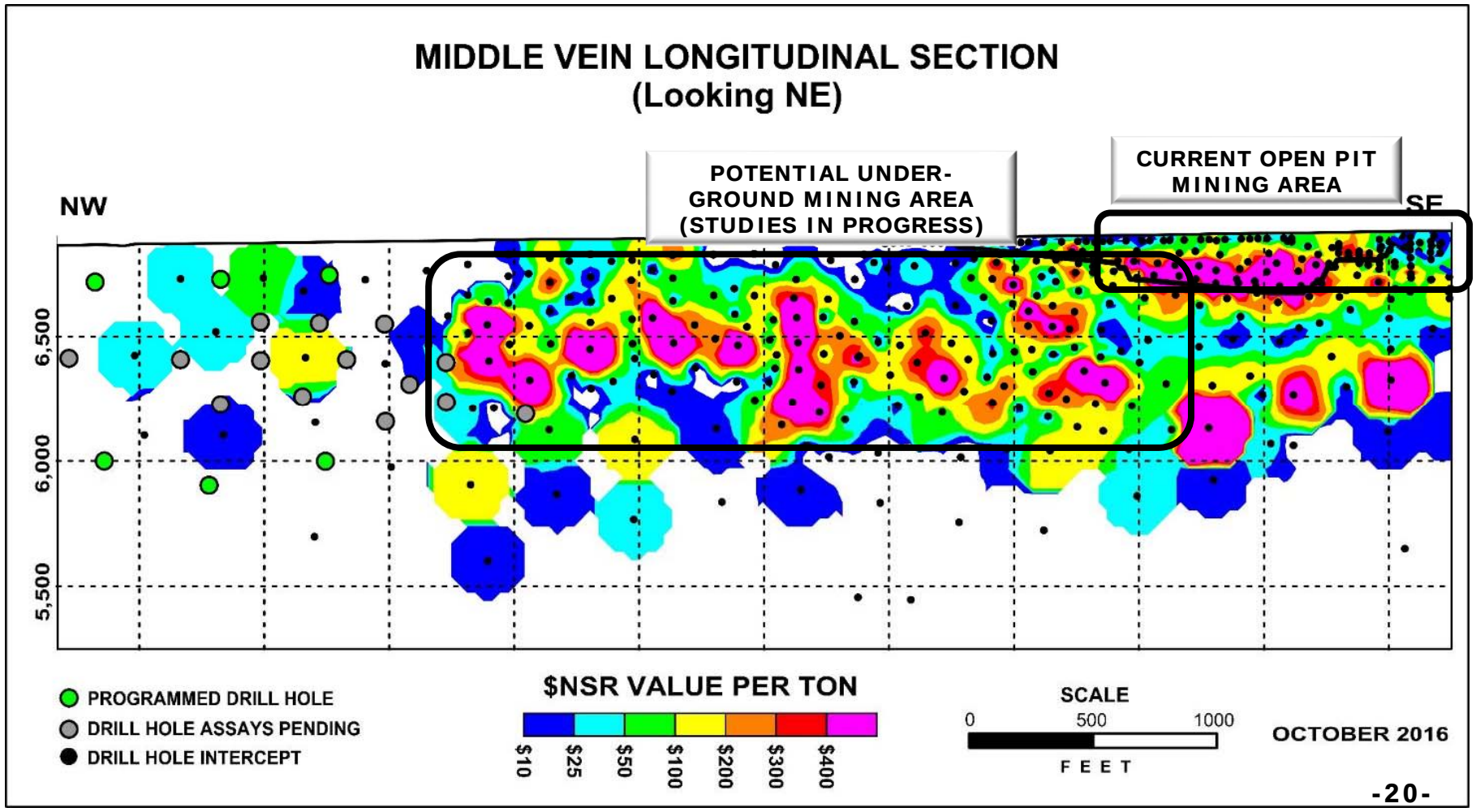
- 10 cuts per ramp
- Lower development expenditure
- Stopes turn around faster



San Sebastian:

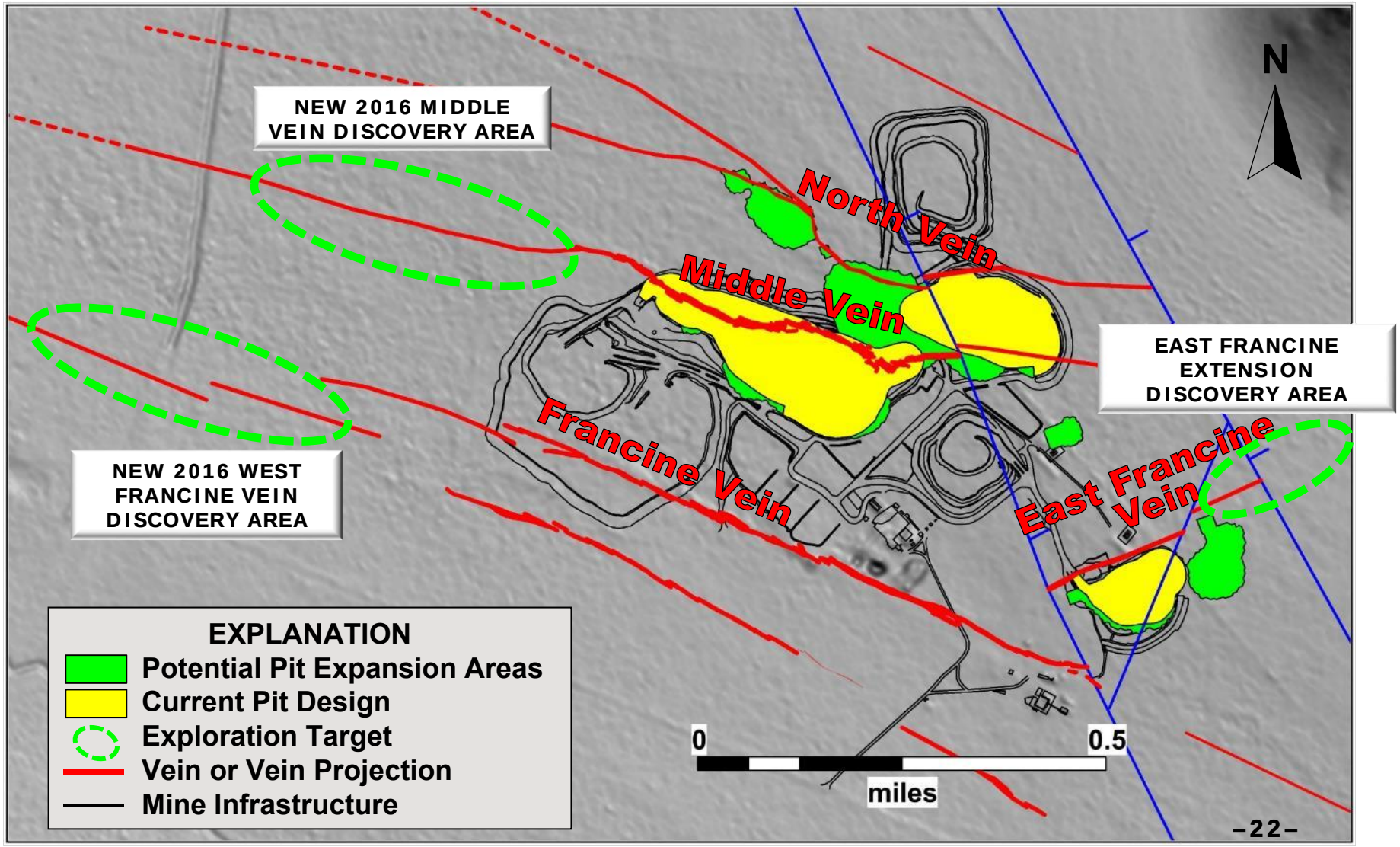
High Grade Additions to Middle Vein

Mill Secured for 2018, Working on Plan to Mine Underground

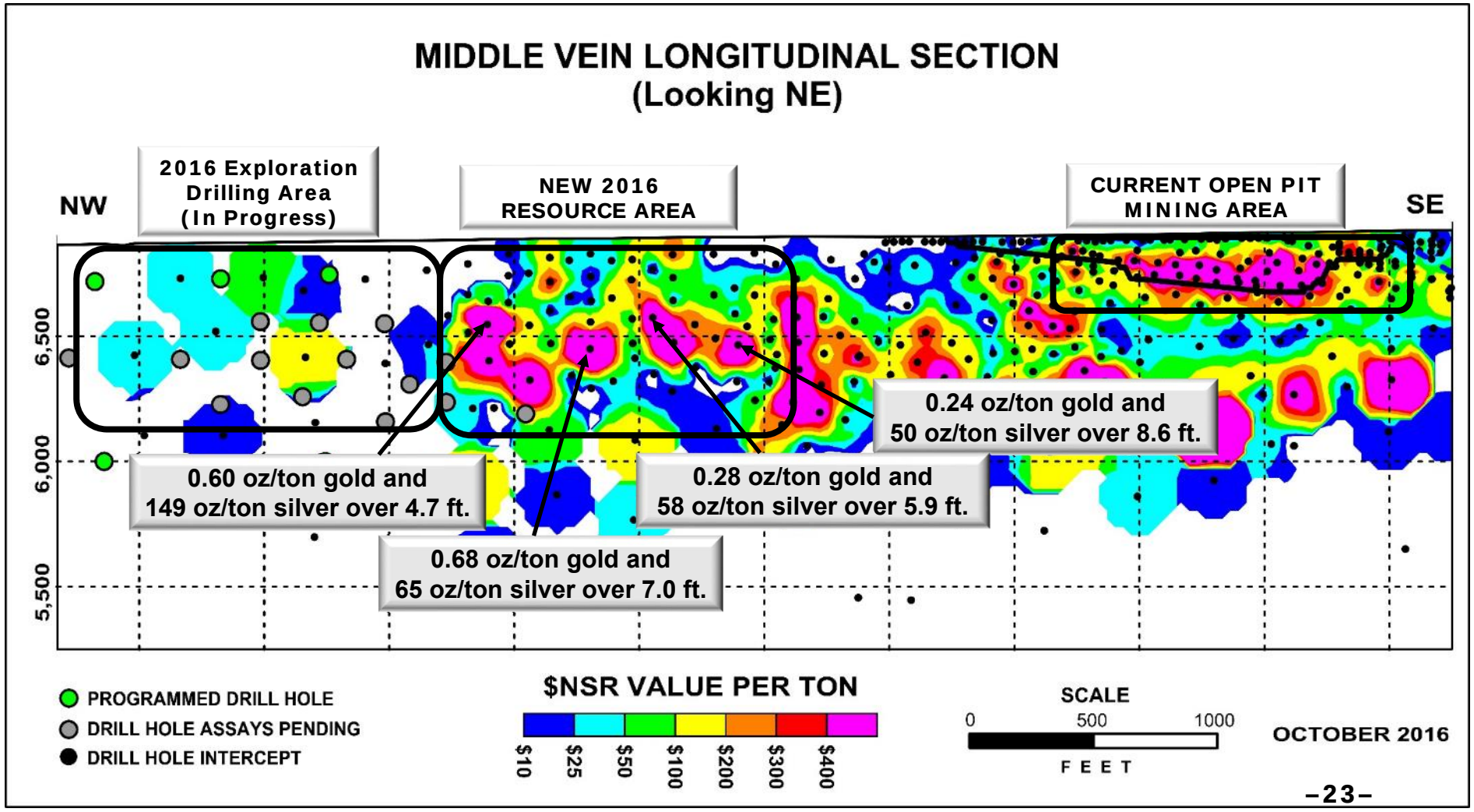


Exploration

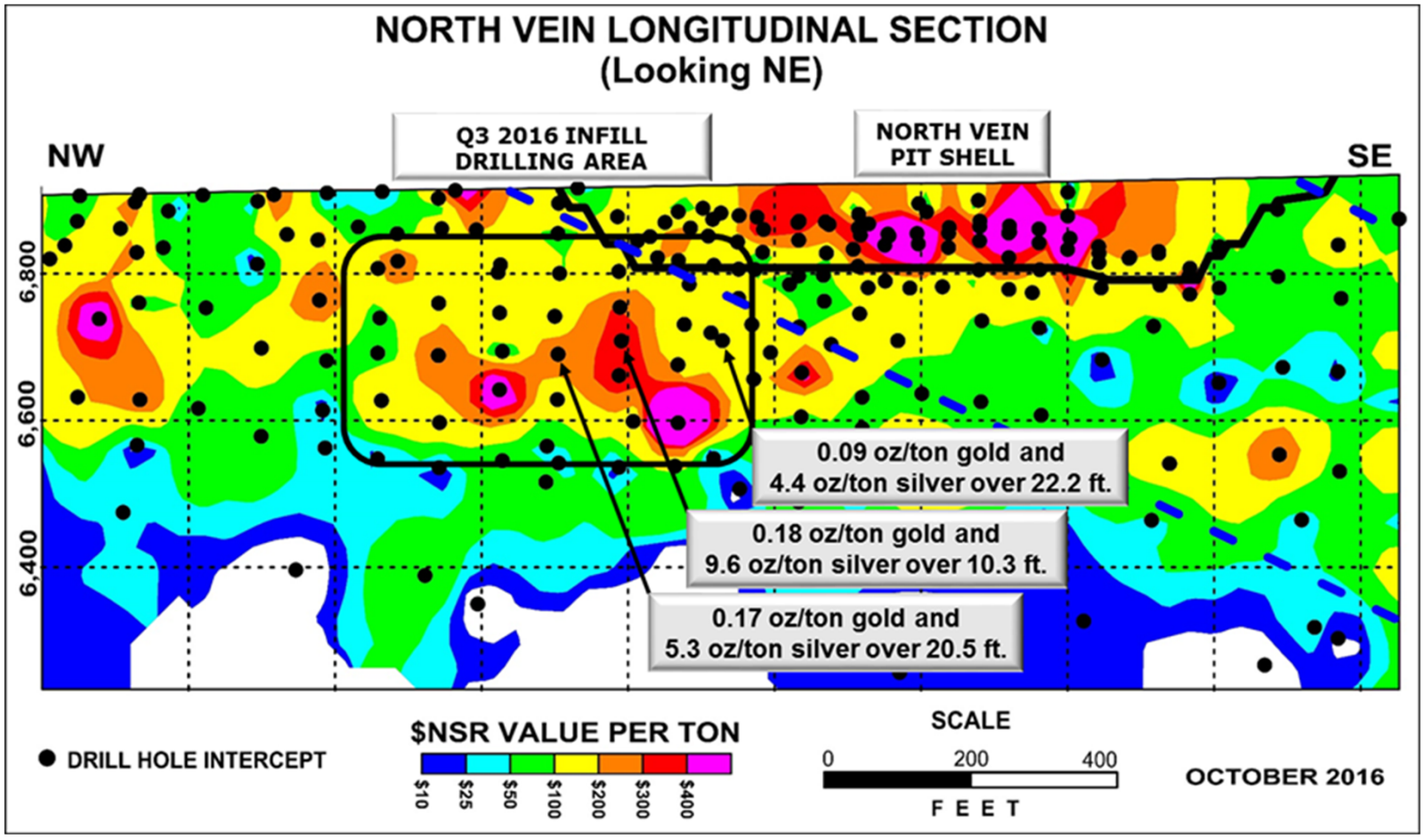
San Sebastian: Mine Life Extension



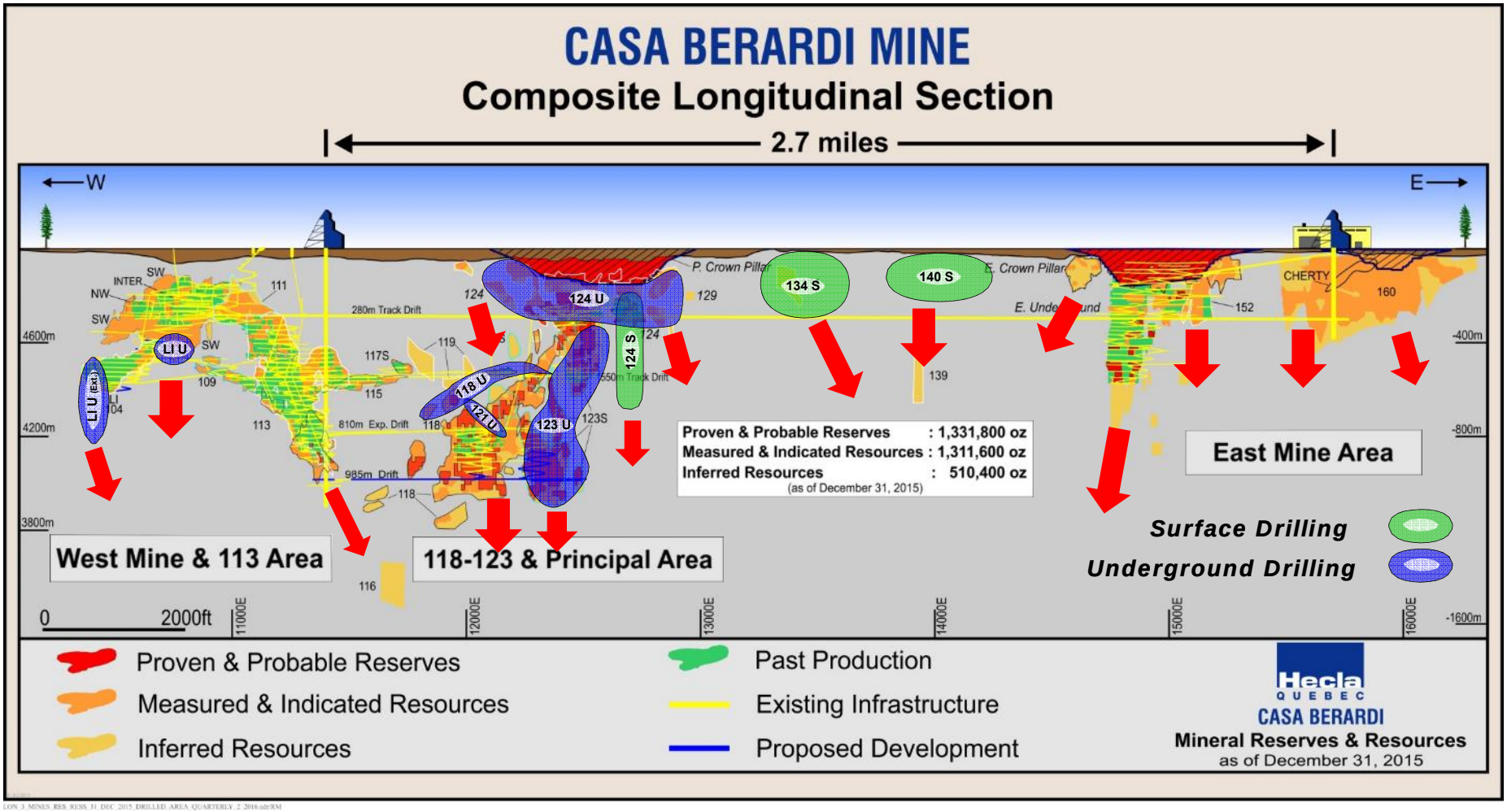
Middle Vein Resource Upgrades and Exploration Potential



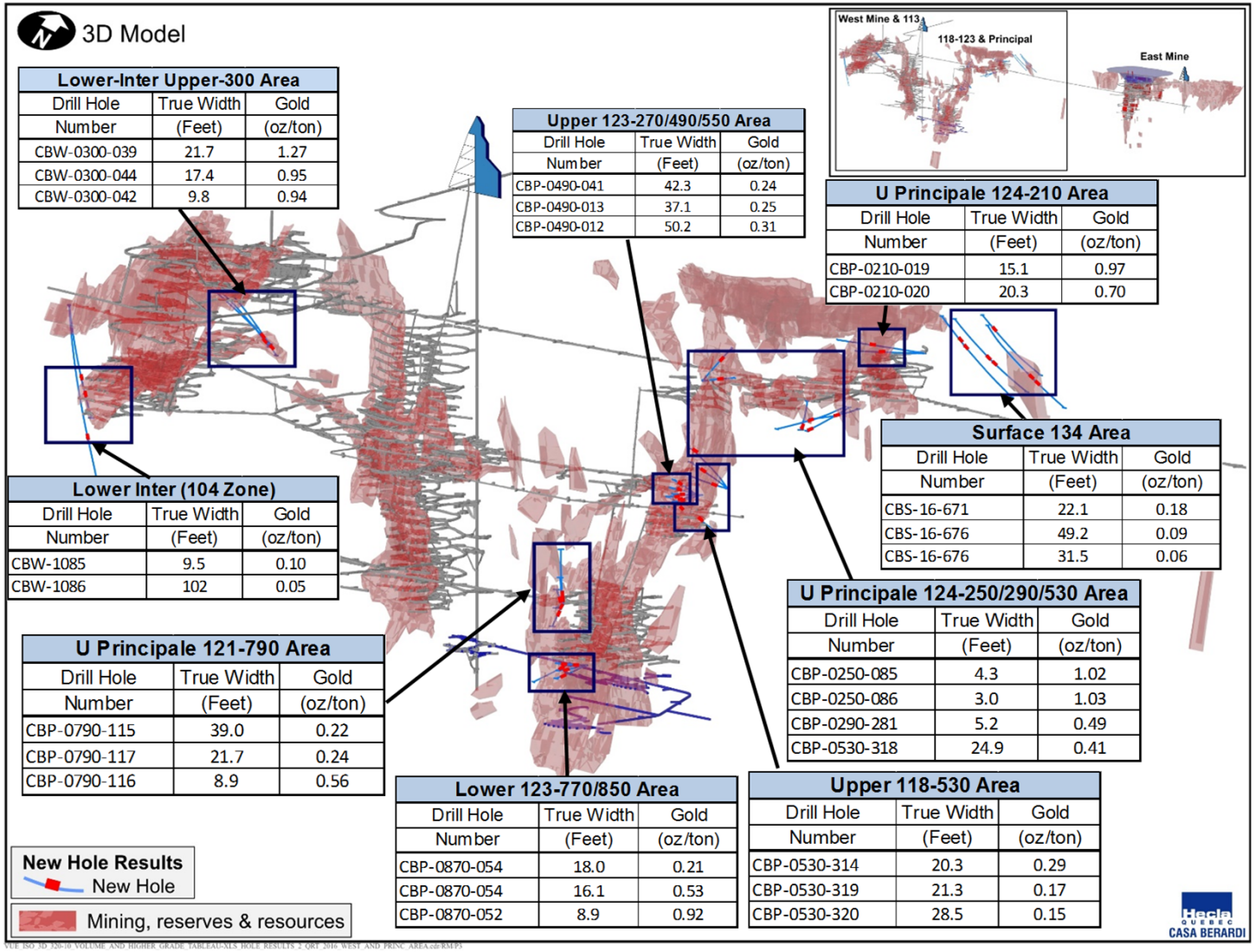
North Vein Resource Upgrade and Deeper Zone



Great Exploration Potential



Strong Drill Results Throughout Casa



Lower-Inter Upper-300 Area

Drill Hole Number	True Width (Feet)	Gold (oz/ton)
CBW-0300-039	21.7	1.27
CBW-0300-044	17.4	0.95
CBW-0300-042	9.8	0.94

Upper 123-270/490/550 Area

Drill Hole Number	True Width (Feet)	Gold (oz/ton)
CBP-0490-041	42.3	0.24
CBP-0490-013	37.1	0.25
CBP-0490-012	50.2	0.31

U Principale 124-210 Area

Drill Hole Number	True Width (Feet)	Gold (oz/ton)
CBP-0210-019	15.1	0.97
CBP-0210-020	20.3	0.70

Surface 134 Area

Drill Hole Number	True Width (Feet)	Gold (oz/ton)
CBS-16-671	22.1	0.18
CBS-16-676	49.2	0.09
CBS-16-676	31.5	0.06

Lower Inter (104 Zone)

Drill Hole Number	True Width (Feet)	Gold (oz/ton)
CBW-1085	9.5	0.10
CBW-1086	102	0.05

U Principale 124-250/290/530 Area

Drill Hole Number	True Width (Feet)	Gold (oz/ton)
CBP-0250-085	4.3	1.02
CBP-0250-086	3.0	1.03
CBP-0290-281	5.2	0.49
CBP-0530-318	24.9	0.41

U Principale 121-790 Area

Drill Hole Number	True Width (Feet)	Gold (oz/ton)
CBP-0790-115	39.0	0.22
CBP-0790-117	21.7	0.24
CBP-0790-116	8.9	0.56

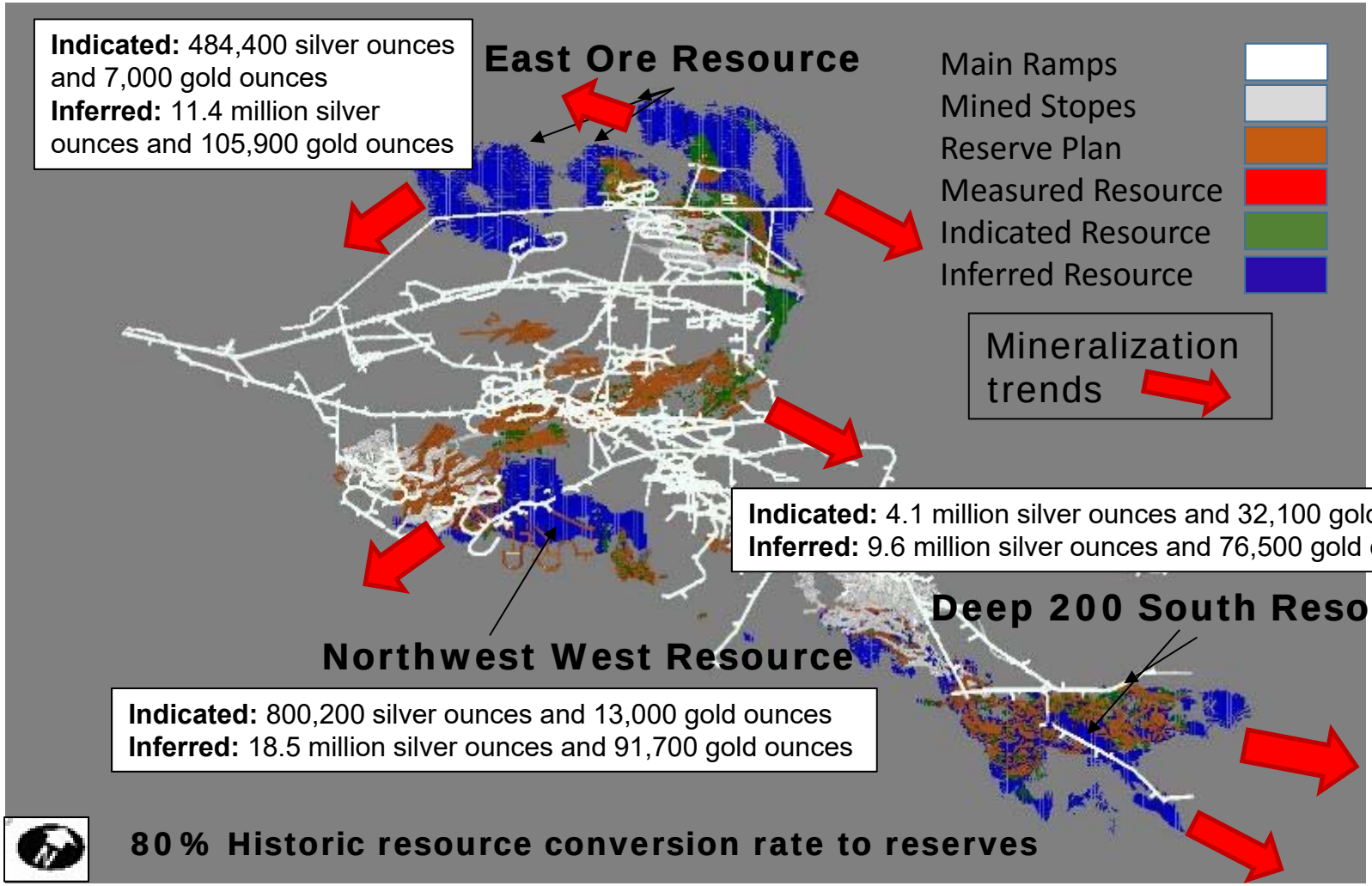
Lower 123-770/850 Area

Drill Hole Number	True Width (Feet)	Gold (oz/ton)
CBP-0870-054	18.0	0.21
CBP-0870-054	16.1	0.53
CBP-0870-052	8.9	0.92

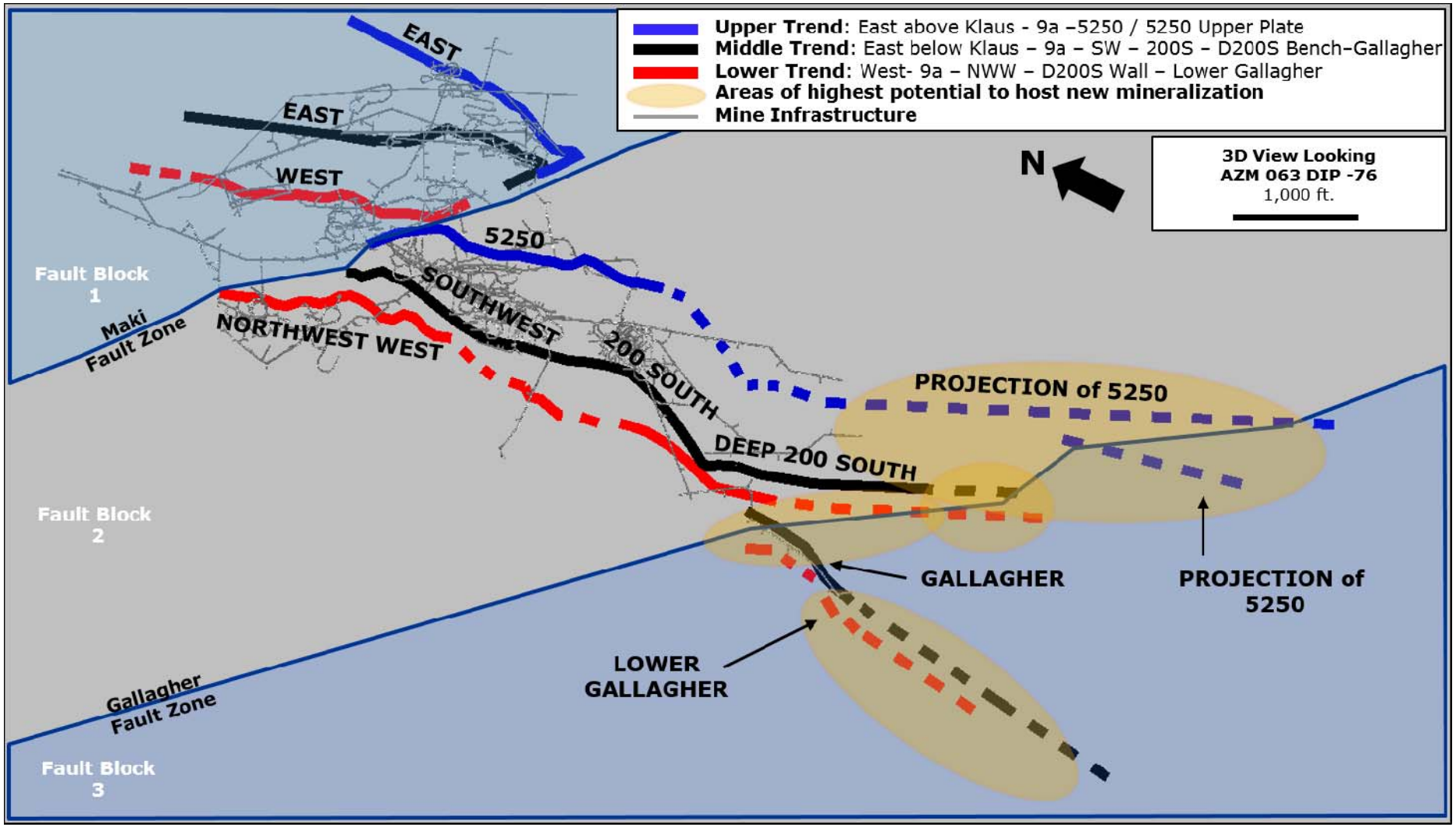
Upper 118-530 Area

Drill Hole Number	True Width (Feet)	Gold (oz/ton)
CBP-0530-314	20.3	0.29
CBP-0530-319	21.3	0.17
CBP-0530-320	28.5	0.15

Greens Creek: Converting Resources to Reserves



Exploring Along Trends



Conclusion

Priority Uses for Growing Cash Flow

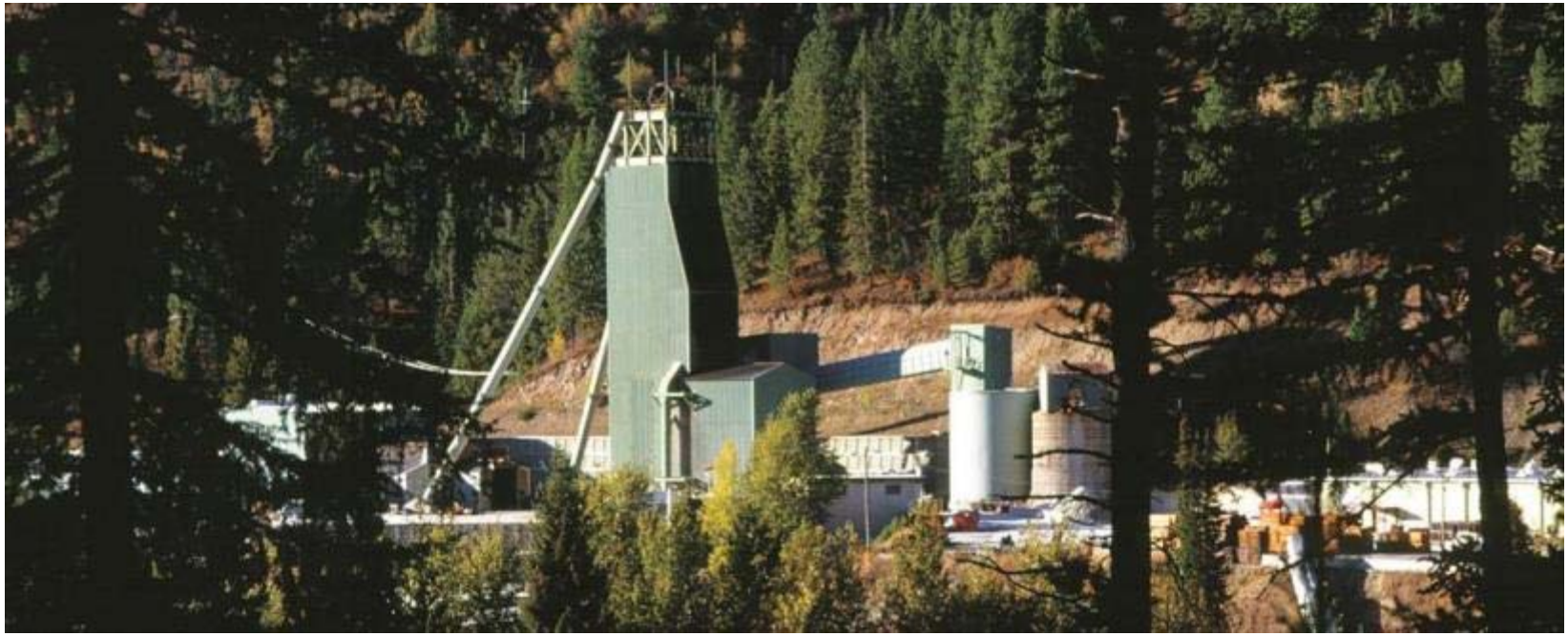
Creating Shareholder Value



Organic Growth Projects:

- San Sabastian: ROIC= +1,000%
- Casa Berardi EMCP: IRR = +90%
- Greens Creek Recovery Improvements: IRR = +600%

Prioritize investment of cash flows to generate highest possible returns



Appendix

Endnotes

1. Silver equivalent is calculated using the average market prices for the time period noted.
2. This release refers to a non-GAAP measure of adjusted earnings before interest, taxes, depreciation and amortization ("Adjusted EBITDA"), which is a measure of our operating performance. Adjusted EBITDA is calculated as net income before the following items: interest expense, income tax provision, depreciation, depletion, and amortization expense, exploration expense, pre-development expense, Aurizon acquisition costs, Lucky Friday suspension-related costs, interest and other income (expense), foreign exchange gains and losses, gains and losses on derivative contracts, unrealized gains on investments, provisions for environmental matters, stock-based compensation, and provisional price gains and losses . Management believes that, when presented in conjunction with comparable GAAP measures, Adjusted EBITDA is useful to investors in evaluating our operating performance.
3. Cash and cash equivalents includes $16 million of insurance proceeds for the Troy Mine reclamation in Q3 2016.
4. Hecla 2015 silver reserve prices calculated at $14.50/oz.
5. Rock Creek resources calculated for Revett based upon a technical report (the “Rock Creek Report”) dated May 7, 2004, amended as of January 27, 2005, prepared by SRK Consulting, Toronto in accordance with 43-101. Total inferred resource of 137 Mtons containing 1.67 opt Ag and 0.72% Cu for 229 Moz Ag and 2,022 Mlbs Cu.
6. 2016E refers to Hecla’s estimates for 2016.
7. The estimates of future cash cost, after by-product credits, per silver ounce or gold ounce (non-GAAP) are made applying management’s judgment and experience to forecasted metals and prices, inventory changes, performance year to date and expectations for the remainder of the year. It is not calculated from the GAAP measure of costs of sales, which is not available, and therefore providing a reconciliation to it cannot be done without unreasonable effort.
8. Metal price assumptions used for silver and gold equivalent calculations: Au $1,150/oz, Ag $14.50/oz, Zn $0.75/lb, Pb $0.80/lb
9. 2016 capital spending estimated for Greens Creek to be $48M, Lucky Friday to be $37M, Casa Berardi to be $61 million and San Sebastian to be $2M.
10. This release contains references to a non-GAAP measure of cash cost, before by-product credits, per ounce and cash cost, after by-product credits, per ounce. Cash cost, before by-product credits, per ounce and cash cost, after by-product credits, per ounce represent non-U.S. Generally Accepted Accounting Principles (GAAP) measurements that the Company believes provide management and investors an indication of net cash flow. Management also uses this measurement for the comparative monitoring of performance of mining operations period-to-period from a cash flow perspective. Cash cost, before by-product credits, per ounce and Cash cost, after by-product credits, per ounce are measures developed by gold companies and used by silver companies in an effort to provide a comparable standard; however, there can be no assurance that our reporting of these non-GAAP measures is similar to those reported by other mining companies. Cost of sales and other direct production costs and depreciation, depletion and amortization are the most comparable financial measures calculated in accordance with GAAP to cash cost, before by-product credits cash cost, after by-product credits.
11. OCF stands for Operating Cash Flow
12. FCF stands for Free Cash Flow, FCF is a non-GAAP measure calculated as OCF (GAAP) less Capex (GAAP).
13. Cash flow conversion calculated as FCF from mines divided by OCF
14. Cash flow conversion calculated as FCF from mines divided by OCF; based on free cash flow without #4 Shaft capex
15. Net debt to adjusted EBITDA is a non-GAAP measurement. It is an important measure for management to measure relative indebtedness and the ability to service the debt relative to its peers. It is calculated as total debt outstanding less total cash on hand divided by adjusted EBITDA. Reconciliations of adjusted EBITDA and net debt to the closest GAAP measurements of net income (loss) and debt can be found in the appendix.

Cash Cost GAAP Reconciliation

Reconciliation of Generally Accepted Accounting Principles (GAAP) measure to Cash Cost, Before By-product Credits, per Ounce and Cash Cost, After By-product Credits, per Ounce, for Greens Creek, Lucky Friday & San Sebastian

(dollars and ounces in thousands, except per ounce - unaudited)

	Three Months Ended				
	Q3/2016	Q2/2016	Q1/2016	Q4/2015	Q3/2015
Costs of sales and other direct production costs and depreciation, depletion and amortization (GAAP)	$ 84,413	$ 71,036	$ 71,036	$ 64,441	$ 70,043
Depreciation, depletion and amortization	(16,181)	(17,374)	(17,374)	(18,083)	(16,669)
Treatment costs	20,673	20,963	20,963	22,495	18,518
Change in product inventory	(9,523)	1,959	1,959	3,412	(5,445)
Reclamation, severance and other costs	(1,571)	(605)	(605)	(397)	(624)
Cash costs, before by-product credits[1]	77,811	75,979	75,979	71,868	65,823
By-products credits	(61,942)	(61,330)	(61,330)	(51,683)	(46,401)
Cash cost, after by-product credits	$ 15,869	$ 14,649	$ 14,649	$ 20,185	$ 19,422
Divided by silver ounces produced	4,309	4,233	4,635	3,626	2,584
Cash cost, before by-product credits, per silver ounce	$ 18.06	$ 18.11	$ 16.39	$ 19.79	$ 25.47
By-product credits per silver ounce	$ (14.38)	$ (14.31)	$ (13.23)	$ (14.24)	$ (17.96)
Cash cost, after by-product credits, per silver ounce	$ 3.68	$ 3.88	$ 3.16	$ 5.55	$ 7.52

1. Includes all direct and indirect operating cash costs related directly to the physical activities of producing metals, including mining, processing and other plant costs, third-party refining and marketing expense, on-site general and administrative costs, royalties and mining production taxes, net of by-product revenues earned from all metals other than the primary metal produced at each unit.

Cash Cost GAAP Reconciliation

Numbers in thousands (USD)

	Casa Berardi				
	Q3/2016	Q2/2016	Q1/2016	Q4/2015	Q3/2015
Cost of sales and other direct production costs and depreciation, depletion and amortization (GAAP)	$ 36,295	$ 41,183	$ 29,159	$ 39,161	$ 37,459
Depreciation, depletion and amortization	(10,466)	(13,597)	(8,501)	(12,757)	(11,561)
Treatment costs	218	238	171	221	152
Change in product inventory	3,460	(2,366)	3,118	(1,409)	(2,628)
Reclamation and other costs	(114)	(116)	(111)	(109)	(111)
Cash Cost, Before By-product Credits (1)	29,393	25,342	23,836	25,107	23,311
By-products credits	(162)	(144)	(103)	(130)	(107)
Cash cost, After By-product Credits	$ 29,231	$ 25,198	$ 23,733	$ 24,977	$ 23,204
Divided by Silver Ounces Produced	31,949	41,955	30,378	42,282	29,259
Cash Cost, Before By-product Credits, per Gold Ounce	$ 920	$ 604	$ 785	$ 594	$ 797
By-products credits per Gold Ounce	$ (5)	$ (3)	$ (3)	$ (3)	$ (4)
Cash Cost, After By-product Credits, per Gold Ounce	$ 915	$ 601	$ 781	$ 591	$ 793

1. Includes all direct and indirect operating cash costs related directly to the physical activities of producing metals, including mining, processing and other plant costs, third-party refining and marketing expense, on-site general and administrative costs, royalties and mining production taxes, net of by-product revenues earned from all metals other than the primary metal.

Adjusted EBITDA Reconciliation to GAAP

Reconciliation of Net Income (Loss) (GAAP) to Adjusted EBITDA (non-GAAP)

Numbers in thousands (USD)

	3 Months Ended	
	30-Sep-16	30-Sep-15
Net Income (Loss)	$ 25,789	$ (9,890)
Plus: Interest expense, net of amount capitalized	5,574	6,617
Plus/(Less): Income taxes	9,453	(5,500)
Plus: Depreciation, depletion and amortization	26,647	28,229
Plus: Exploration expense	3,859	5,540
Plus: Pre-development expense	550	1,696
Foreign exchange (gain) loss	(2,375)	(9,077)
Plus: Acquisition costs	1,765	15
Plus: Stock-based compensation	1,347	1,775
Plus/(Less): Losses (gains) on derivative contracts	(7)	(3,347)
Plus: Provision for closed operations and environmental matters	1,680	772
Plus/(Less): Provisional price (gains) losses	1,141	963
Other	(194)	-
Adjusted EBITDA	**$ 75,229**	**$ 17,793**

This presentation refers to a non-GAAP measure of adjusted earnings before interest, taxes, depreciation and amortization ("Adjusted EBITDA"), which is a measure of our operating performance. Adjusted EBITDA is calculated as net loss before the following items: interest expense, income tax provision, depreciation, depletion, and amortization expense, exploration expense, predevelopment expense, interest and other income (expense), foreign exchange gains and losses, stock-based compensation, unrealized loss on investments, provisions for environmental matters, and provisional price gains and losses. Management believes that, when presented in conjunction with comparable GAAP measures, Adjusted EBITDA is useful to investors in evaluating our operating performance. The table above reconciles net loss, the most comparable GAAP measurement, to Adjusted EBITDA.

Adjusted EBITDA Reconciliation and Net Debt Reconciliation to GAAP

Numbers in thousands (USD)

	As of and for the Twelve Months Ended				
	30-Sep-16	30-Jun-16	31-Mar-16	31-Dec-15	30-Sep-15
Net Income (Loss)	$ (13,676)	$ (49,355)	$ (100,138)	$ (86,968)	$ (7,100)
Plus: Interest expense, net of amount capitalized	22,694	23,737	24,908	25,389	25,818
Plus/(Less): Income taxes	83,106	68,153	56,525	56,310	(8,371)
Plus: Depreciation, depletion and amortization	113,259	114,841	112,110	111,489	111,441
Plus: Exploration expense	13,168	14,849	16,079	17,744	19,359
Plus: Pre-development expense	1,854	3,000	4,097	4,214	4,557
Foreign exchange (gain) loss	2,680	(4,022)	(4,074)	(24,551)	(25,002)
Plus: Acquisition costs	2,167	417	2,162	2,162	2,162
Plus: Stock-based compensation	5,950	6,378	5,537	5,425	5,174
Plus/(Less): Losses (gains) on derivative contracts	(1)	(3,341)	(2,460)	(8,252)	(19,946)
Plus: Provision for closed operations and environmental matters	4,693	3,785	12,257	12,046	17,607
Plus/(Less): Provisional price (gains) losses	(449)	(627)	985	(634)	(348)
Other	(1,426)	(1,232)	279	2,461	3,449
Adjusted EBITDA	**$234,019**	**$176,583**	**$ 128,267**	**$116,835**	**$128,800**
Total debt	$515,757	$517,283	$ 518,231	$520,496	
Less: Cash, cash equivalents, and short-term investments	192,378	158,683	134,018	155,209	
Net debt	**$323,379**	**$358,600**	**$ 384,213**	**$365,287**	
Net debt/LTM adjusted EBITDA	**1.4x**	**2.0x**	**3.0x**	**3.1x**	

Proven & Probable Reserves

(on Dec. 31, 2015 unless otherwise noted)

Reserves and Resources - 12/31/2015

Proven Reserves										
Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Silver (000 oz)	Gold (000 oz)	Lead Tons	Zinc Tons	Copper Tons
Greens Creek (a)	10	20.8	0.12	3.7	9.0	210	1	370	910	—
Lucky Friday (a)	3,510	16.5	—	9.8	3.2	57,961	—	344,610	111,210	—
Casa Berardi (1)	2,119	—	0.11	—	—	—	234	—	—	—
San Sebastian (a)	5	14.5	0.21	—	—	72	1	—	—	—
Total.....	5,644					58,243	237	344,980	112,120	—

Probable Reserves										
Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper Tons
Greens Creek (a)	7,204	12.3	0.09	3.0	8.1	88,523	676	218,030	581,730	—
Lucky Friday (a)	1,557	13.3	—	8.0	2.9	20,721	—	124,950	45,080	—
Casa Berardi (1)	8,104	—	0.14	—	—	—	1,098	—	—	—
San Sebastian (a)	284	28.0	0.22	—	—	7,943	63	—	—	—
Total.....	17,149					117,186	1,836	342,980	626,810	—

Proven and Probable Reserves										
Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper Tons
Greens Creek (a)	7,214	12.3	0.09	3.0	8.1	88,733	677	218,400	582,640	—
Lucky Friday (a)	5,067	15.5	—	9.3	3.1	78,681	—	469,560	156,290	—
Casa Berardi (1)	10,222	—	0.13	—	—	—	1,332	—	—	—
San Sebastian (a)	289	27.7	0.22	—	—	8,015	64	—	—	—
Total.....	22,793					175,429	2,073	687,960	738,930	—

(a) Mineral reserves are based on $1100 gold, $14.50 silver, $0.90 lead and $0.90 zinc, unless otherwise stated.

(1) Mineral reserves are based on $1100 gold and a US$/CAN$ exchange rate of 1:1.37 Reserve diluted to an average of 34.7% to minimum width of 9.8 feet (3 m)

Open pit mineral reserves of the East Mine were estimated in May 2015 based on $1225 gold and a US$/CAN$ exchange rate of 1:1.10. Reserve block diluted.

Open pit mineral reserves of the Principal Mine were estimated in February 2011 based on $950 gold and a US$/CAN$ exchange rate of 1:1. Reserve diluted to 10%



Reserves & Resources

(on Dec. 31, 2015 unless otherwise noted)

Measured Resources

Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper Tons
Greens Creek (b)	—	—	—	—	—	—	—	—	—	
Lucky Friday (2)(b)	13,762	6.1	—	4.1	2.3	83,711	—	569,190	319,810	—
Casa Berardi (3)	1,769	—	0.18	—	—	—	326	—	—	—
San Sebastian (4)(b)	—	—	—	—	—	—	—	—	—	—
Heva (5)	5,480	—	0.06	—	—	—	304	—	—	—
Hosco (5)	33,070	—	0.04	—	—	—	1,296	—	—	—
San Juan Silver (6)(b)	—	—	—	—	—	—	—	—	—	—
Star (7)(a)	—	—	—	—	—	—	—	—	—	—
Total.....	54,080					83,711	1,926	569,190	319,810	—

Indicated Resources

Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper Tons
Greens Creek (b)	1,227	10.6	0.10	3.0	7.5	13,015	128	36,710	92,260	—
Lucky Friday (2)(b)	7,067	6.3	—	4.4	2.1	44,436	—	308,260	149,830	—
Casa Berardi (3)	9,225	—	0.11	—	—	—	985	—	—	—
San Sebastian (4)(b)	1,561	5.9	0.07	—	—	9,257	116	14,570	18,980	8,400
Heva (5)	5,570	—	0.07	—	—	—	369	—	—	—
Hosco (5)	31,620	—	0.04	—	—	—	1,151	—	—	—
San Juan Silver (6)	516	14.8	—	2.1	1.1	7,620	—	10,760	5,820	—
Star (7)(b)	1,074	3.0	—	6.4	7.6	3,221	—	68,700	81,200	—
Total.....	57,859					77,550	2,749	439,000	348,090	8,400

Measured & Indicated Resources

Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper Tons
Greens Creek (b)	1,227	10.6	0.10	3.0	7.5	13,015	128	36,710	92,260	—
Lucky Friday (2)(b)	20,829	6.2	—	4.2	2.3	128,147	—	877,450	469,640	—
Casa Berardi (3)	10,993	—	0.12	—	—	—	1,312	—	—	—
San Sebastian (4)(b)	1,561	5.9	0.07	—	—	9,257	116	14,570	18,980	8,400
Heva (5)	11,050	—	0.06	—	—	—	672	—	—	—
Hosco (5)	64,690	—	0.04	—	—	—	2,447	—	—	—
San Juan Silver (6)	516	14.8	—	2.1	1.1	7,620	—	10,760	5,820	—
Star (7)(b)	1,074	3.0	—	6.4	7.6	3,221	—	68,700	81,200	—
Total.....	111,940					161,261	4,674	1,008,190	667,900	8,400

Reserves & Resources

(on Dec. 31, 2015 unless otherwise noted)

Inferred Resources										
Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper Tons
Greens Creek (b)	3,255	12.8	0.09	2.8	6.7	41,730	300	89,630	219,540	—
Lucky Friday (8)(b)	4,451	7.7	—	5.7	1.9	34,302	—	254,080	85,850	—
Casa Berardi (3)	2,854	—	0.18	—	—	—	510	—	—	—
San Sebastian (9) (b)	2,677	5.5	0.03	—	—	14,846	93	22,550	32,070	18,860
Heva (5)	4,210	—	0.08	—	—	—	350	—	—	—
Hosco (5)	7,650	—	0.04	—	—	—	314	—	—	—
San Juan Silver (10)	3,078	10.7	0.01	1.3	1.1	33,097	36	40,990	34,980	—
Star (11)(b)	2,957	3.1	—	5.9	5.6	9,128	—	173,500	166,100	—
Monte Cristo (12)	913	0.3	0.14	—	—	271	131	—	—	—
Rock Creek (13)	136,601	1.7	—	—	—	228,616	—	—	—	1,010,770
Total.....	168,647					361,990	1,734	580,750	538,540	1,029,630

Note: All estimates are in-situ except for the proven reserves at Greens Creek and San Sebastian which are in surface stockpiles. Resources are exclusive of reserves.

(a) Mineral reserves are based on $1100 gold, $14.50 silver, $0.90 lead and $0.90 zinc, unless otherwise stated.

(b) Mineral resources are based on $1300 gold, $20 silver, $0.95 lead, $0.90 zinc and $3.00 copper, unless otherwise stated.

(1) Mineral reserves are based on $1100 gold and a US$/CAN$ exchange rate of 1:1.37 Reserve diluted to an average of 34.7% to minimum width of 9.8 feet (3 m)

Open pit mineral reserves of the East Mine were estimated in May 2015 based on $1225 gold and a US$/CAN$ exchange rate of 1:1.10. Reserve block diluted.

Open pit mineral reserves of the Principal Mine were estimated in February 2011 based on $950 gold and a US$/CAN$ exchange rate of 1:1. Reserve diluted to 10%

(2) Measured and indicated resources from Gold Hunter and Lucky Friday vein systems are diluted and factored for expected mining recovery.

(3) Measured, indicated and inferred resources are based on $1,300 gold and a US$/CAN$ exchange rate of 1:1.37 Underground resources are reported at a minimum mining width of 6.6 feet to 9.8 feet (2 m to 3 m)

Open pit mineral resources of the Principal Mine were estimated based on $950 gold and a US$/CAN$ exchange rate of 1:1

Open pit mineral resources of the 160 Zone were based on $1,250 gold and a US$/CAN$ exchange rate of 1:1, Resources diluted to 12%

(4) Indicated resources reported at a minimum mining width of 6.6 feet (2 m) for Hugh Zone and 4.9 feet (1.5 m) for Andrea Vein, Middle Vein, and North Vein. East Francine resources reported at actual vein width.

San Sebastian Hugh Zone also contains 8,400 tons of copper at 1.7% Cu within 492,700 tons of indicated resource.

(5) Measured, indicated and inferred resources are based on $1,300 gold and a US$/CAN$ exchange rate of 1:1. The resources are in-situ without dilution and material loss. Resource model completed in 2011.

(6) Indicated resources reported at a minimum mining width of 6.0 feet for Bulldog; resources based on $26.5 Ag, $0.85 Pb, and $0.85 Zn

(7) Indicated resources reported at a minimum mining width of 4.3 feet.

(8) Inferred resources from Gold Hunter and Lucky Friday vein systems are diluted and factored for expected mining recovery.

(9) Inferred resources reported at a minimum mining width of 6.6 feet (2 m) for Hugh Zone and 1.5 meters for Andrea Vein, Middle Vein, and North Vein. East Francine resources reported at actual vein width.

San Sebastian Hugh Zone also contains 18,860 tons of copper at 1.5% within 1,255,100 tons of inferred resource.

(10) Inferred resources reported at a minimum mining width of 6.0 feet for Bulldog, 5.0 feet for Equity & North Amethyst veins; resources based on $1400 Au, $26.5 Ag, $0.85 Pb, and $0.85 Zn.

(11) Inferred resources reported at a minimum mining width of 4.3 feet.

(12) Inferred resource reported at a minimum mining width of 5.0 feet; resources based on $1400 Au, $26.5 Ag.

(13) Inferred resource reported at a minimum thickness of 16.0 feet; resources based on $7 Ag and $1 Cu.

Rock Creek also contains 1,010,770 tons of copper at 0.7% within stated inferred resource tonnage.

* Totals may not represent the sum of parts due to rounding