



NORTHERN VERTEX
MINING CORP



MOSS MINE PROJECT ADVANCING TO COMMERCIAL PRODUCTION

Gold-Silver Production | Commences Q4 2017

THE NEXT PRODUCING GOLD MINE IN THE USA

LOW COST • OPEN PIT • HEAP LEACH

CORPORATE PRESENTATION | SEPTEMBER 2017



Forward Looking Statements

In the interest of providing current and potential shareholders with information regarding the Company's plans and future operations, certain statements and graphics in this presentation contain "forward looking statements." Such forward looking statements involve risk and uncertainty. Although at the time of preparation information used in this presentation was considered reasonable by management, the results may prove to be incorrect and actual results may differ materially from those anticipated in the statements made. Participants are advised to read the section entitled "Risk and Uncertainties" in the Company's MD&A dated March 31, 2017.

Forward-looking information involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by such forward-looking information. Although the Company has attempted to identify important factors that could cause actual actions, events or results to differ materially from those described in the forward-looking information, there may be other factors that cause such actions, events or results to differ from those anticipated, estimated or intended. Any inaccuracy in the assumptions identified above may also cause actual actions, events or results to differ materially from those described in the forward-looking information.

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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 disclosures 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.

We have not independently verified the accuracy of the information regarding the mining industry and other market data set forth herein. Mr. Jim McDonald, P. Geo., is the qualified person responsible for overseeing the technical aspects of this presentation. 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.



Key Take-Aways

Significantly De-Risked

- Strong financial partners
- Pilot production de-risked mining process
- Excellent infrastructure and workforce nearby
- Robust economics @ 48% IRR (after tax)
- Production scheduled for Q4 2017
- ***Resource Expansion - Exploration Upside - M&A***



Strong Partnerships

“Extensive Due Diligence Undertaken”

GREENSTONE RESOURCES LP - “US\$20 Million Invested”

- Private equity fund specializing in the mining sector
- Over 80 years’ of collective industry experience
- Provides financial strength and technical support, which can be leveraged to add significant value

SPROTT RESOURCE LENDING – “US\$20 Million Facility”

- Natural resource-focused investment firm with more than \$7 billion in resource sector investments
- Team has financed more than \$1.0 billion in bespoke private debt investments



Capital Structure

(as of Sept 14, 2017)

Exchange Listings

TSX.V: NEE | OTC Nasdaq Intl.: NHVCF

Common Shares O/S

172.5 million

Year Trading Range

\$0.35 - \$0.70

Daily Average Volume

95,083 shares /day (based on last 3 months)

Market Capitalization

C\$100.07 million (as at C\$0.58 on Sept 14, 2017)

Warrants Outstanding

44.3 million (\$0.50 - \$1.00)

Options

7.56 million (\$0.25 - \$1.40)

Working Capital

C\$20.82 million (as at June 30, 2017)

Sprott Credit Facility

US\$20 million - US\$15 million drawn

Key shareholders

Greenstone Resources LP (30%)

Directors; Insider Associates

Private Banking / High Net Worth /

Gold 2000



Key Management Team

FINANCE M&A

Ken Berry (B. Comm.), Chairman & Chief Executive Officer
Co-founder of Northern Vertex Mining Corp. & Kootenay Silver Inc.

Michael Haworth, Director Senior Partner at Greenstone Resources L.P., Private Equity Fund

David Farrell (LL.P.), Director
Former Managing M & A Director at Endeavour Financial

Christopher Park (CPA, CGA), CFO & Corporate Secretary
Former Controller of Imperial Metals Corporation

OPERATIONS

Joseph Bardswich (P. Eng.), General Manager & Director
Comprehensive experience in facets of mining incl. management

Dr. David Stone (PhD., PE), Moss Project Manager
Extensive design and construction experience of heap leach mines

TECHNICAL COMMITTEE

Gordon D. Ulrich (B.A. Sc. M.B.A., P.Eng), Director
Formerly President and CEO of Luscar Ltd., (coal, oil and gas)

Jim McDonald (P.Geo.), Director
Co-founder and Former director of Alamos Gold



Corporate Milestones

"Ability to Execute"

- Final Permits Received
- US \$9M CAT Financing
- Aggregate Agreement
- US \$20M Greenstone & Non-Brokered Placement

UPCOMING MILESTONES

- **US AWARENESS PROGRAM**
- **COMPLETE BUILDOUT**
- **FIRST GOLD POUR**
- **MINE EXTENSION**
- **INSTALL POWERLINE**

- Moss Option Agreement
- Preliminary Economic Assessment
- Phase I Pilot Plant opened by Governor Janice Brewer
- Feasibility Study Results
- Announced US\$20M Term Sheet w/ Macquarie Bank

2011

2012

2013

2014

2015

2016

2017

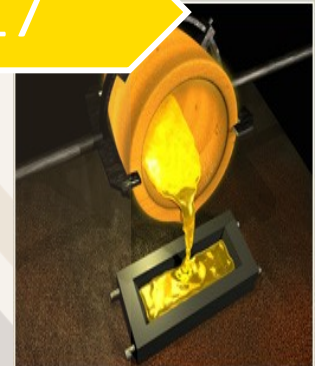
\$98

Million

- Initial Exploration and Drilling Program

- Feasibility Study Resource

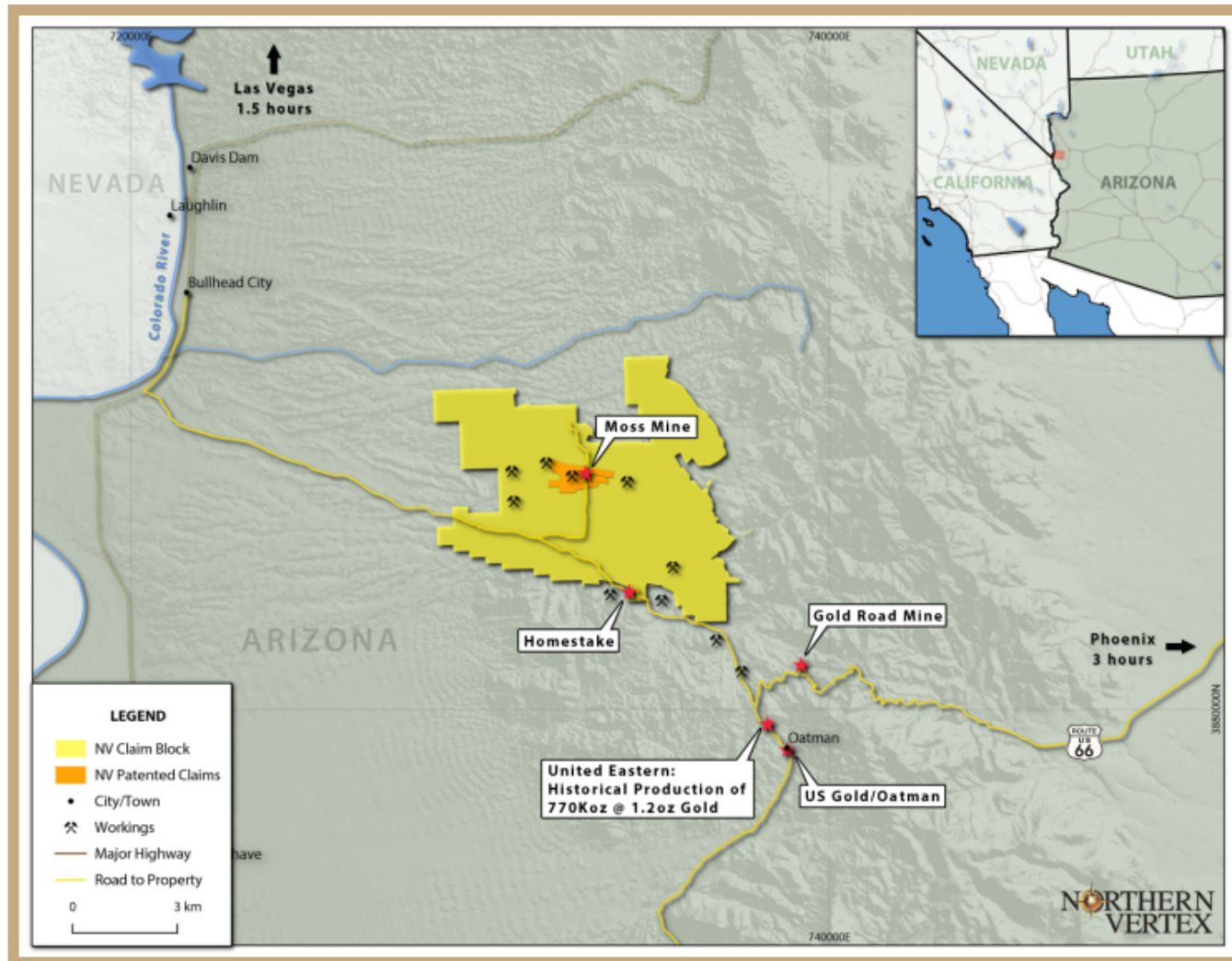
- Acquired 100% of Moss Project
- M3 Eng, Golder and Degerstorm join Team
- US\$20M Sprott Debt facility





Location of Moss Mine

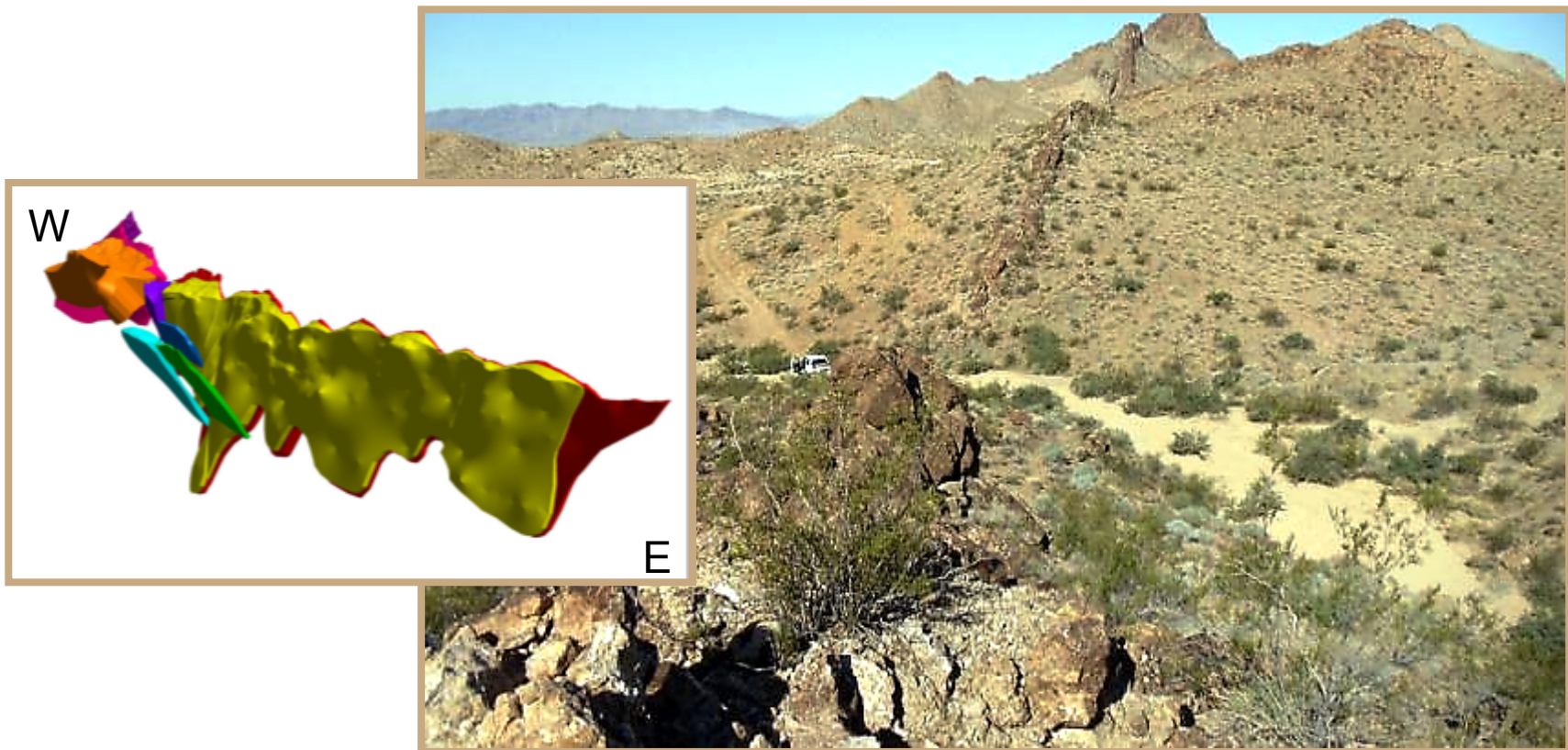
Adjacent to Work Force and Infrastructure





Moss Mine Gold-Silver Geology

- Uncomplicated Geology
- Gold-silver stock-work, brecciated, low sulphidation, epithermal vein system
- Outcrops at surface for 1,500 metres





Mineral Resources and Reserves

at 0.25 Gold g/t Cut-Off

Resource Category	Tonnes	Au (g/t)	Ag (g/t)	Au (oz)	Ag (oz)	Au Eq (g/t)	Au Eq (oz)
Measured	4,860,000	0.97	10.4	152,000	1,630,000	1.10	172,000
Indicated	10,620,000	0.66	8.7	225,000	2,980,000	0.77	263,000
Measured & Indicated	15,480,000	0.76	9.3	377,000	4,610,000	0.87	435,000
Inferred	2,180,000	0.55	5.6	38,000	390,000	0.62	43,000

NI 43-101 Technical Report Feasibility Study, "Mohave County Arizona" Report by M3 Engineering, Effective date June 8, 2015 calculated the Mineral Resource Estimate within a pit constrained LG pit with maximum slope angles of 65°. Metal prices of \$1,250/oz and \$20/oz were used for gold and silver respectively. Metallurgical recoveries of 82% for gold and 65% for silver were applied. • A 0.25 g/t gold cut-off was estimated based on a total process and G&A operating cost of \$6.97/t of ore mined.

Material	Reserve Category	ROM (MT)	Diluted Au (g/t)	Diluted Ag (g/t)	Contained Au (oz)	Contained Ag (oz)	Diluted AuEq (g/t)	Contained AuEq (oz)
Primary Ore	Proven	4.20	0.95	10.01	128,160	1,352,030	1.07	144,490
	Probable	3.30	0.75	9.20	79,770	976,260	0.86	91,240
	Combined	7.50	0.86	9.66	207,930	2,328,290	0.97	233,900
Low Grade Ore	Proven	0.25	0.22	2.99	1,740	24,070	0.25	2,010
	Probable	0.21	0.22	3.54	1,460	23,920	0.26	1,760
	Combined	0.46	0.22	3.24	3,190	47,980	0.25	3,700
ALL	Combined	7.96	0.82	9.29	211,130	2,376,270	0.93	238,010

NI 43-101 Technical Report Feasibility Study, "Mohave County Arizona" Report by M3 Engineering, Effective date June 8, 2015 calculated the Mineral Reserve Estimate within a pit-constrained LG pit with maximum slope angles of 65°. Metal prices of US\$1,250/oz and US\$18.50/oz were used for gold and silver respectively. Metallurgical recoveries of 82% for gold and 65% for silver were applied. • A variable gold cut-off was estimated based on a mining cost of US\$2.75/t mined, and a total process and G&A operating cost of US\$6.48/t of ore mined. Primary ore is based on a cut-off of 0.25 g/t Au, and low grade ore is based on a cut-off of 0.2 g/t Au. The gold equivalent ("AuEq") formulae, applied for purposes of estimating AuEq grades and ounces, are as follows:

- Factor A (gold) = $1 / 31.10346 \times \text{metallurgical recovery (82\%)} \times \text{smelter recovery (99\%)} \times \text{refinery recovery (99\%)} \times \text{unit Au price (US$1,250 / oz)}$
- Factor B (silver) = $1 / 31.10346 \times \text{metallurgical recovery (65\%)} \times \text{smelter recovery (98\%)} \times \text{refinery recovery (99\%)} \times \text{unit Ag price (US$18.50 / oz)}$
- AuEq grade = $\text{Au grade} + (\text{Ag grade} \times [\text{Factor B} / \text{Factor A}])$
- AuEq ounces = $(\text{AuEq grade} \times \text{material tonnes}) / 31.10346$



Phase I Pilot Plant Production

4,000oz Gold & 20,000oz Silver Recovered

Pilot Plant Results:

- Final Gold Recoveries – 82% to Dore
- Physical and chemical aspects validated
- Three stage cone crushing successfully utilized
- Geotechnical results confirmed design parameters
- Results – Lower Shareholder Risk





Robust Economic Highlights

2015 Feasibility Study Base Case at US\$1,250/oz Gold

Annual Production	5,000 tpd	Mine Life Extension
Mine Life	5 years ***	
Strip Ratio	1.62 : 1	
Average Gold Equivalent ("AuEq") grade*	0.93 grams per tonne	
Recoveries to Doré	Gold 82% and Silver 65%	
Gold Equivalent Ounces/yr (Avg. @5,000 tpd)	42,000 oz/yr	
Initial Capital Costs (including indirects)	US\$33 million	
Gold Equivalent Cash Cost (@5,000 tpd)	US\$552 /oz	
All-in Sustaining Costs AuEq** (LOM)	US\$662 /oz	
After-Tax NPV (\$1250 Au, 5%)	US\$60.3 million***	
After-Tax IRR (\$1250 Au, 5%)	48% ***	
After-Tax Payback Period	2.3 years	

Study
Underway

*Remaining Resource of +/- 200,000oz GOLD
to be Evaluated to Extend the LIFE OF MINE*

• Gold equivalent grades are defined in the footnotes to the Reserve Statement on page 9

**All-in Sustaining Costs ("AISC") as presented are defined by the World Gold Council ("WGC") less corporate G&A

*** The Feasibility Study mine plan was purposefully restricted by the physical constraints of keeping the consequent heap leach pad and waste dump volumes on the patented land. As a result, the Mineral reserves were physically defined, not economically defined.

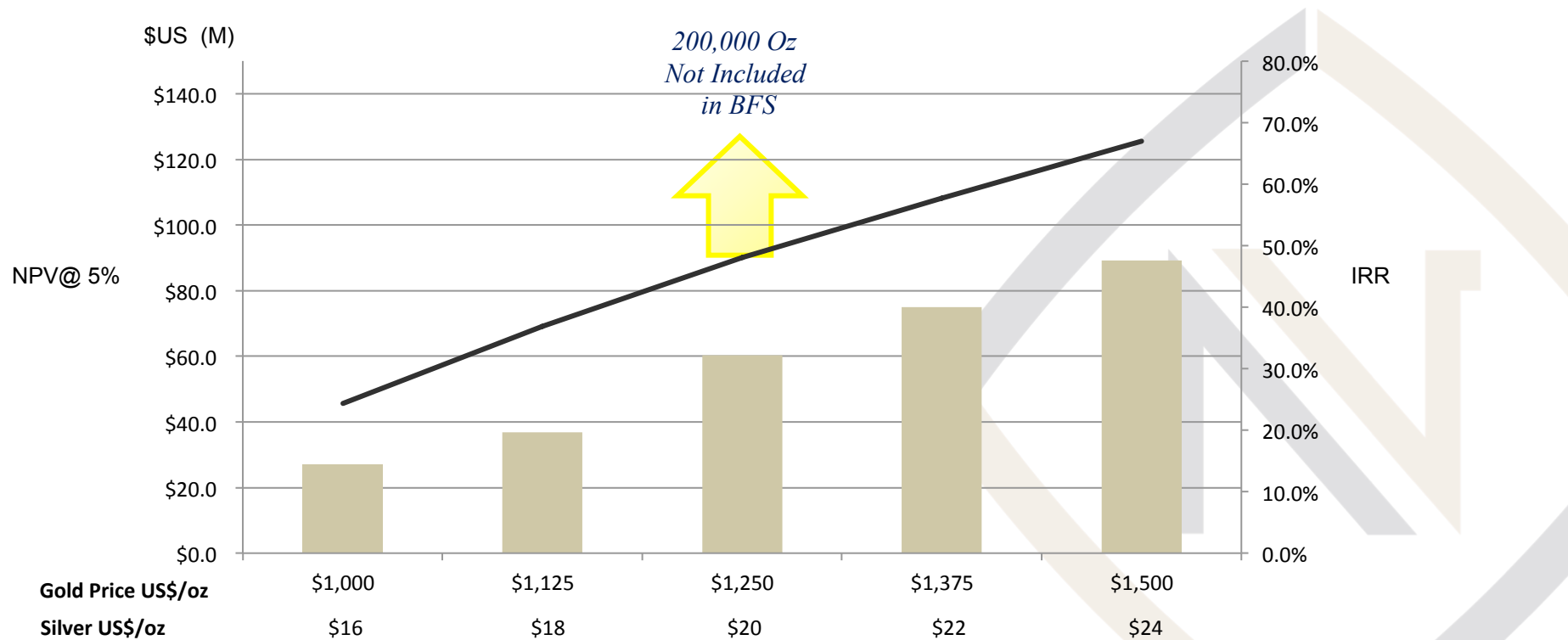


Sensitivity Analysis⁽¹⁾

2015 Feasibility Study Base Case at US\$1,250/oz Gold

Gold Price US\$/oz	\$1,000	\$1,125	\$1,250	\$1,375	\$1,500
Silver Price US\$/oz	\$16	\$18	\$20	\$22	\$24
Post-Tax NPV @ 5%	\$27.0M	\$44.9M	\$60.3M	\$74.9M	\$89.4M
Post-Tax IRR %	24.3%	36.9%	48.0%	57.7%	68.1%
Post-Tax Payback - Years	3.2	2.6	2.3	2.2	1.9

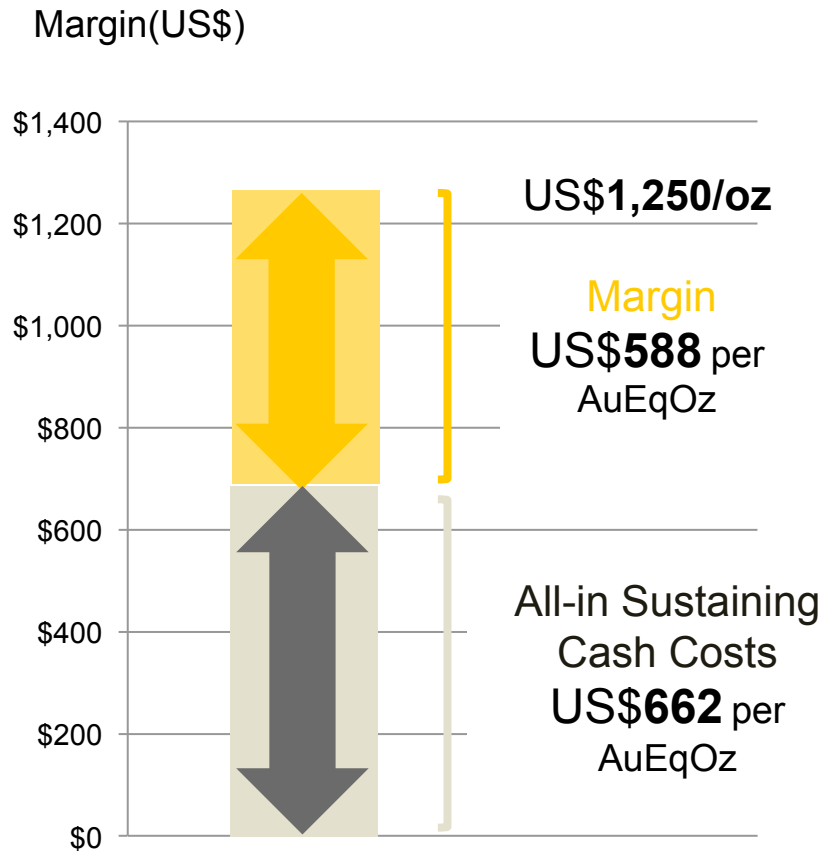
(1) 2015 Feasibility Study economics adjusted to include: (a) Patriot Gold NSR issued to acquire 100% of Moss Project (see news release dated May 26, 2015); and (b) current and anticipated tax pools, estimated as of September 30, 2016.





Low All-in Sustaining Cost & Cash Flow Metrics

2015 Feasibility Study Base Case at US\$1,250/oz Gold



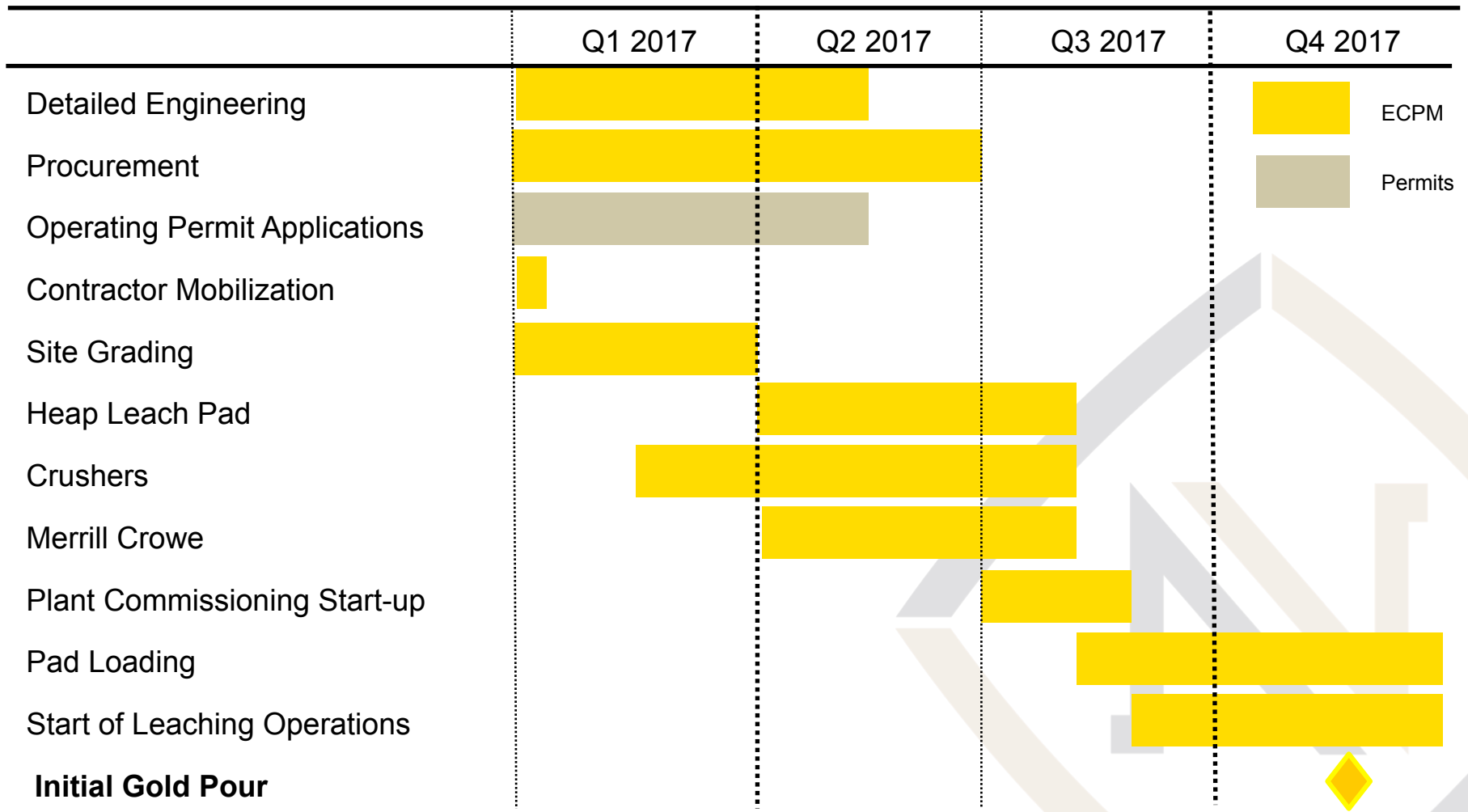
Cash Cost Summary

Cash Operating (incl. of Ag Credit)	\$552
Royalty, refining costs	\$79
Reclamation Costs	\$10
Sustaining Costs	\$20
Exploration Costs	\$1
All-In Sustaining Costs	\$662
Gold EQ Margin	\$588

All-in sustaining costs from the 2015 feasibility study adjusted to include the Golden Patriot royalty.



Moss Mine Construction Schedule





Construction Update

- Crushing Plant delivered ahead of schedule
- Concrete foundation work completed for Merrill Crowe and Refinery Buildings
- Construction of leach pads commenced
- On schedule for first gold pour Q4 2017





Stormwater Pond Below Crusher Pad





Material Delivery to Site





Laydown Yard at Moss Mine





MSE Wall at Crusher Pad



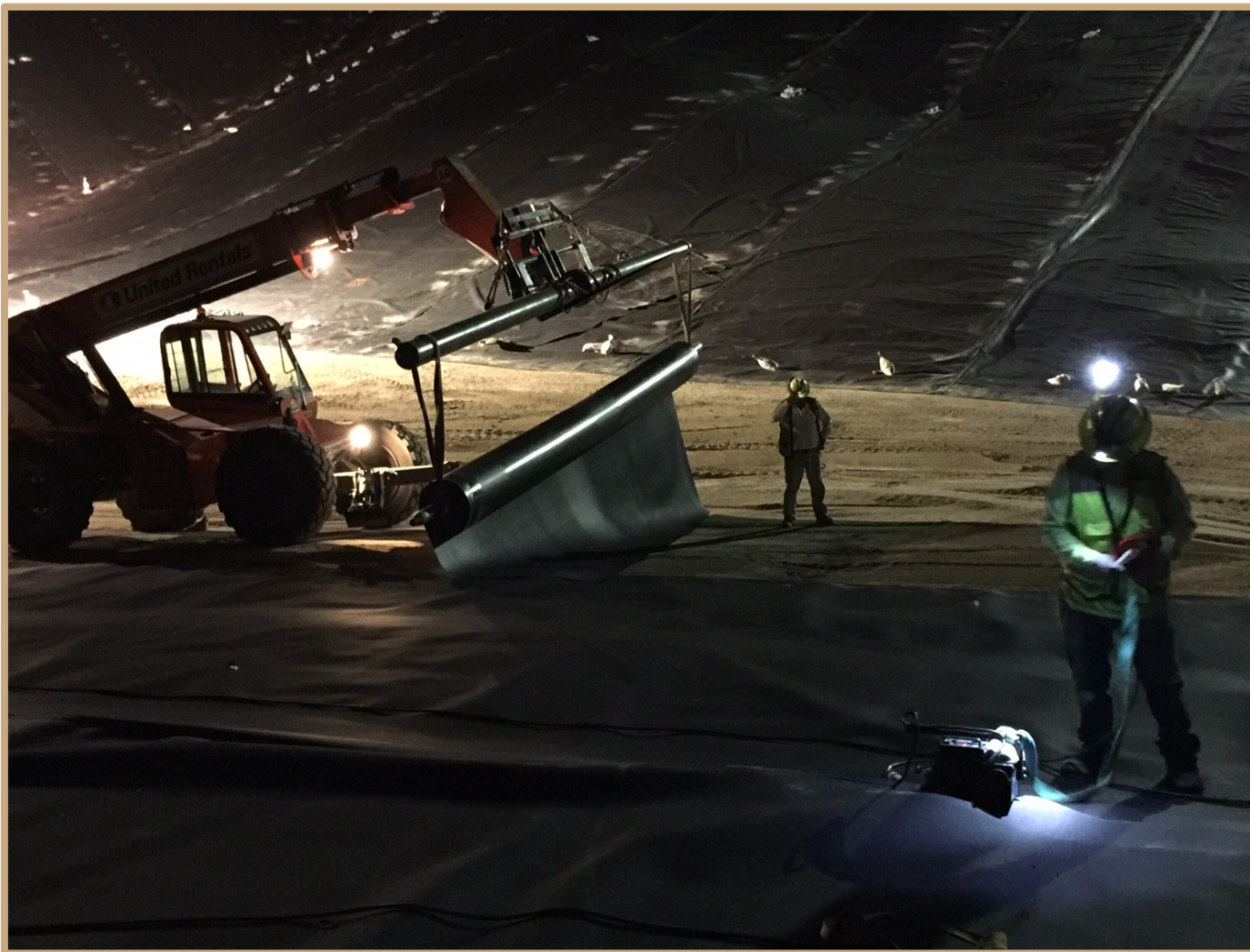


Site Grading





Heap Leach Liner Installation





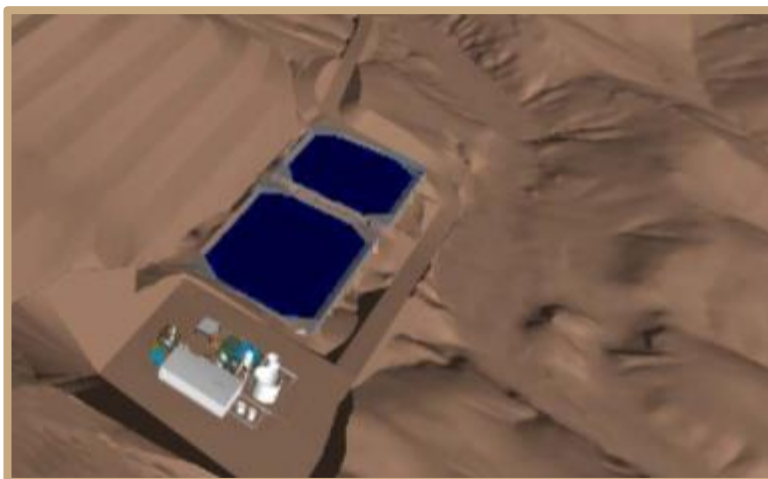
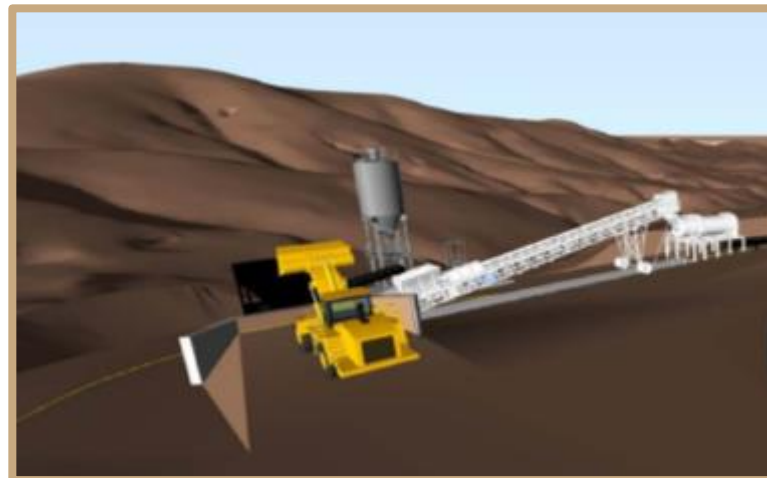
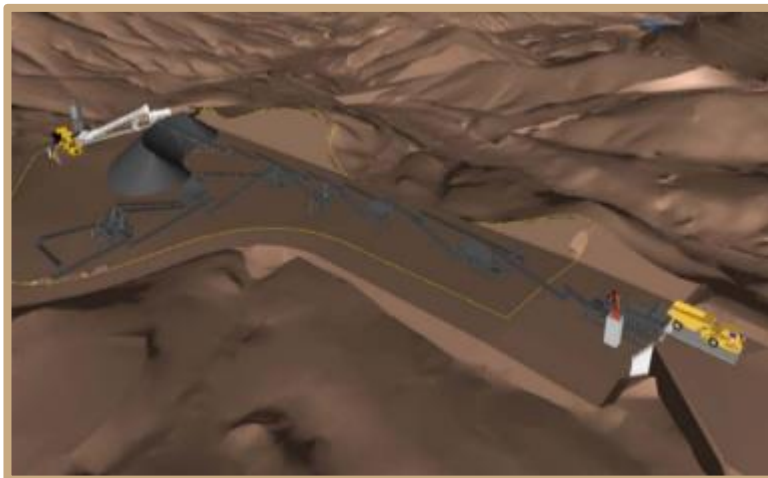
Cone Crusher Top





Facilities

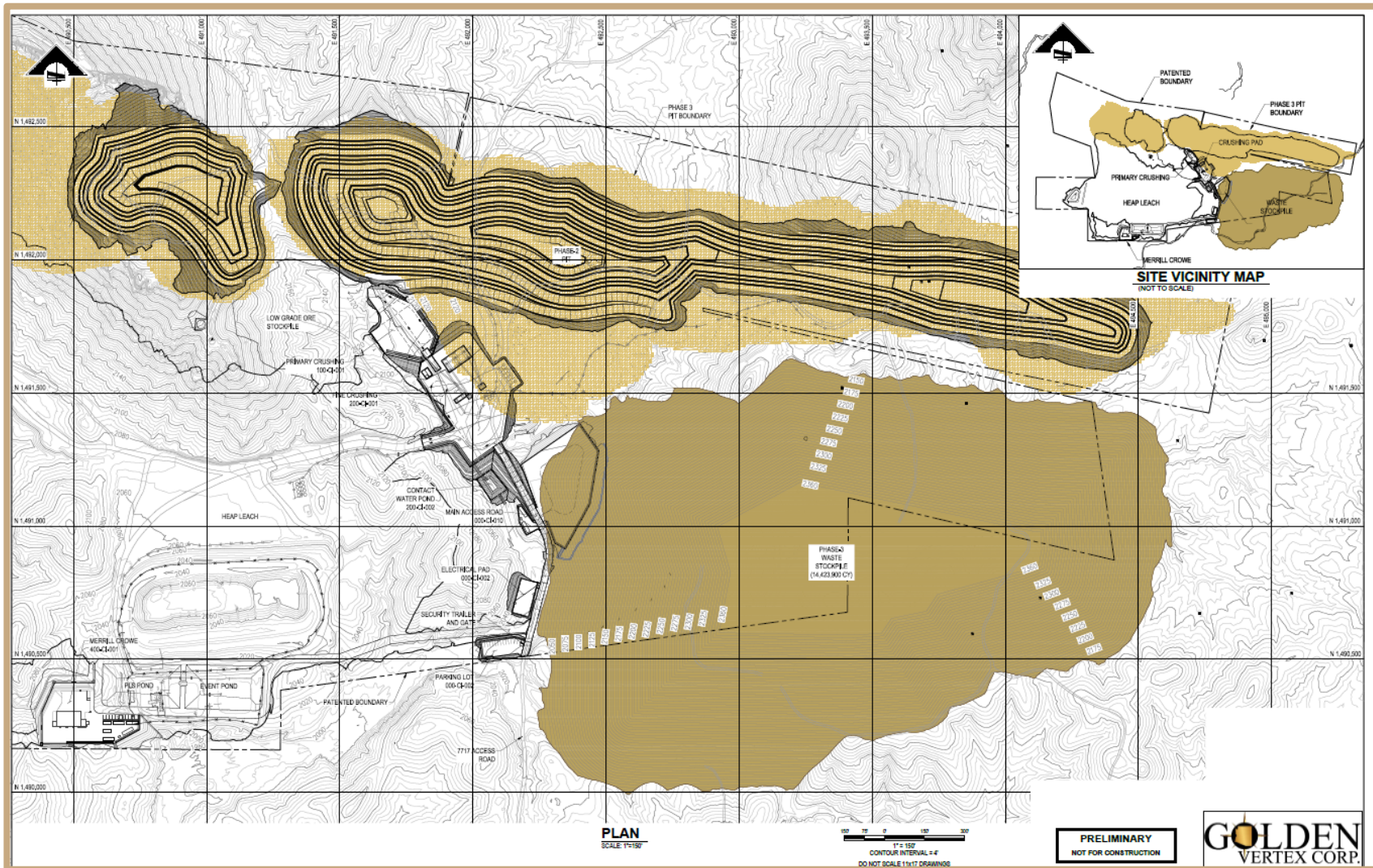
Crushers, Merrill Crowe, Ponds, etc.





Preliminary Site Layout

Mine Extension





NEE Powerline

Mine Optimization



Aggregate Supply

Significant
Operational
Savings
Over 5yrs

Boosts
After-Tax IRR
from
Current 48%



Roadway Maintained

Profit from
Sale of
Waste Rock

Improved
Infrastructure



Job Creation

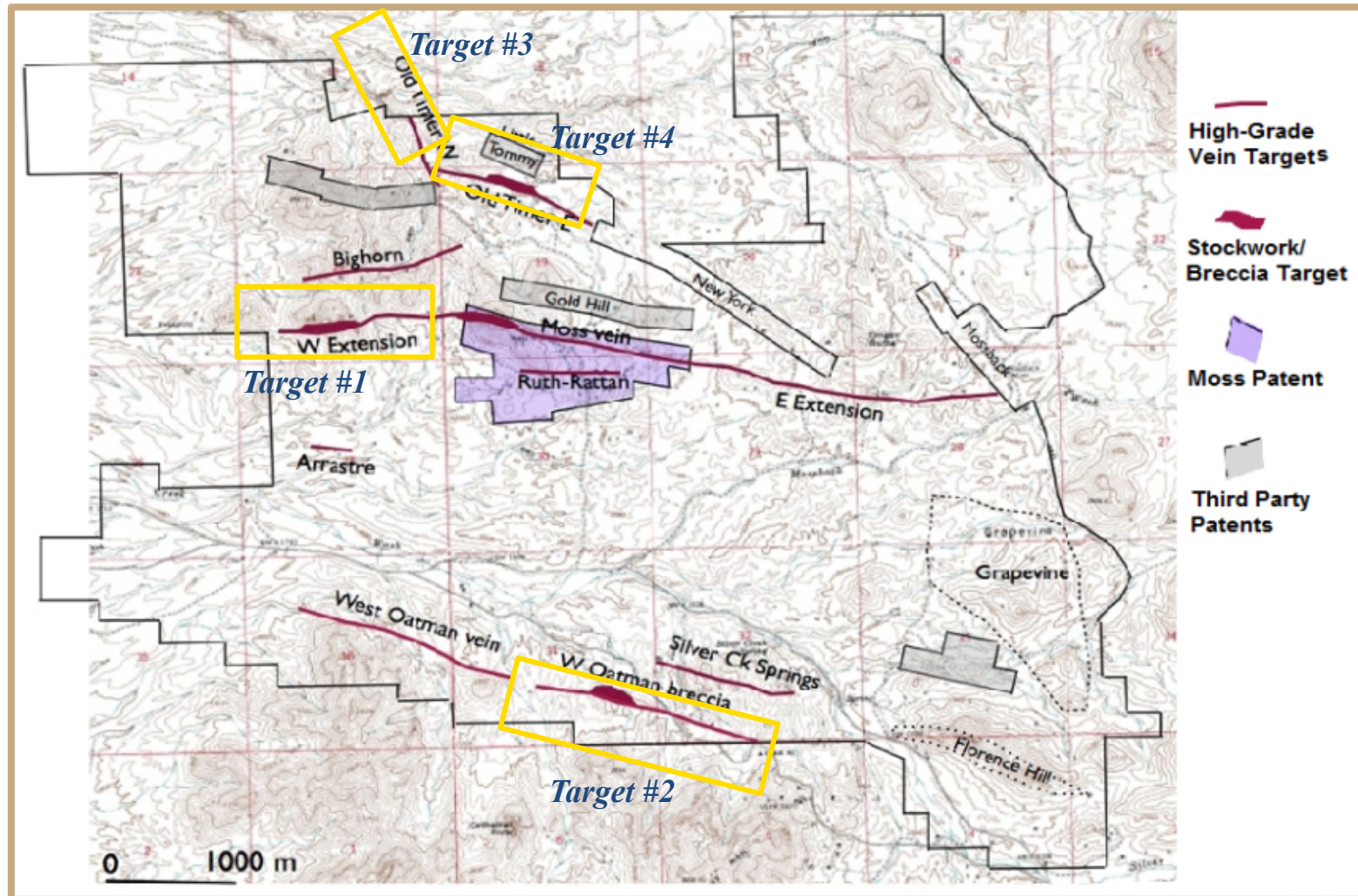


Reduced Emissions



Oatman District Overview

Results Pending



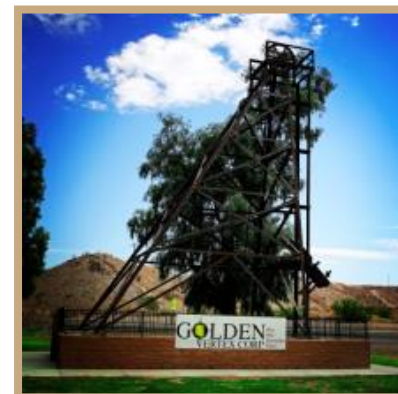


Corporate & Social Initiatives



Official Opening/Ribbon Cutting Ceremony of Moss Mine Reactivation Project Pilot Plant, Bullhead City, AZ August 14, 2013

(Left side) Honorable Janice K. Brewer, Arizona Governor



Relocation of the Moss Mine Historical Headframe

Northern Vertex, through its US subsidiary, Golden Vertex, is endeavoring to be an organization recognized for its safety culture, community commitment, Tribal involvement, educational enhancement, open communication culture and transparency that will create a legacy for the stakeholders in the Bullhead City area for many years to come.



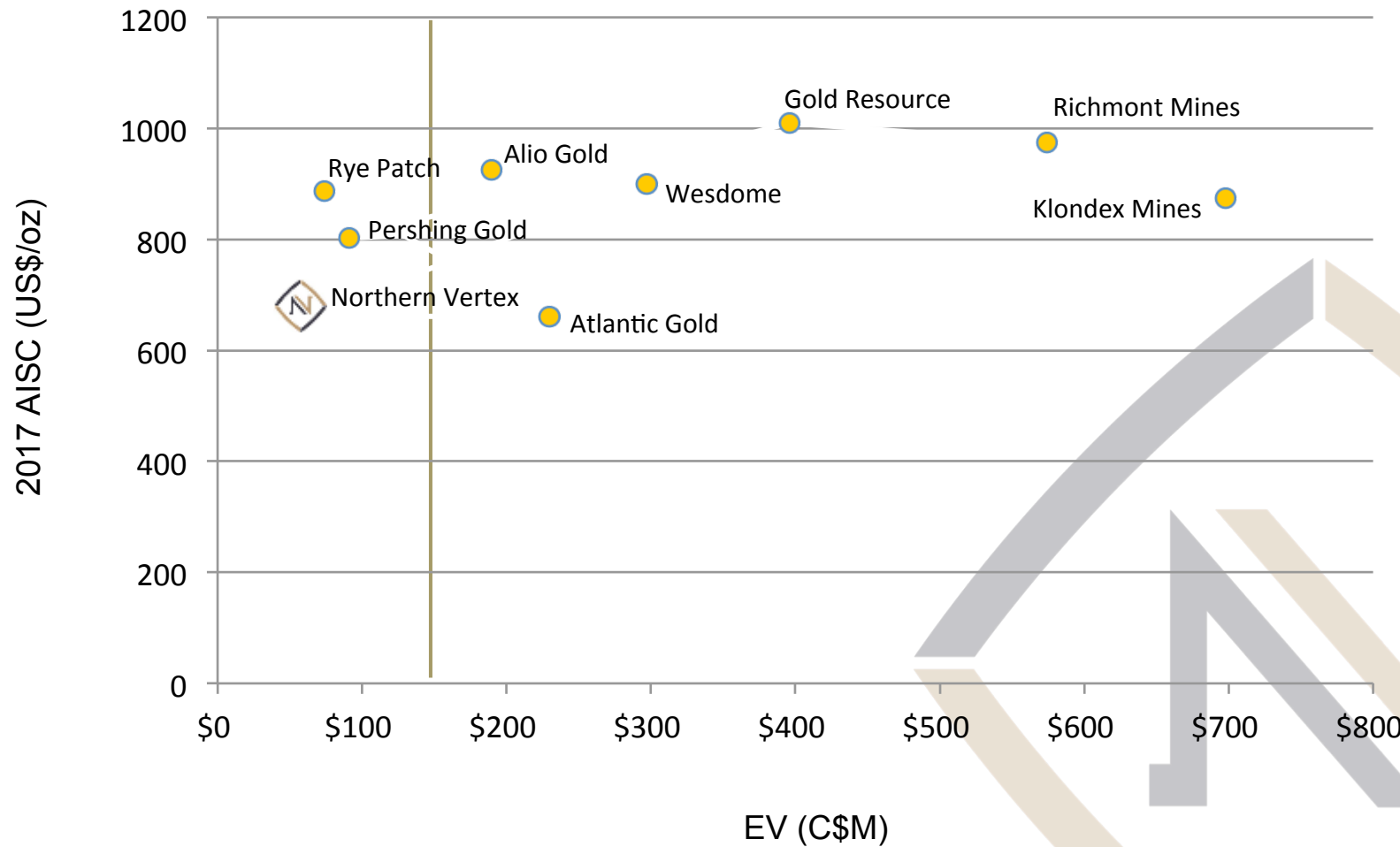
Northern Vertex's Senior Mine Geologist, Sarah Clark speaking to students at Laughlin High school



Relocation of the Lil' Red Schoolhouse to the Community Park, Bullhead City, AZ



ASIC Comparisons

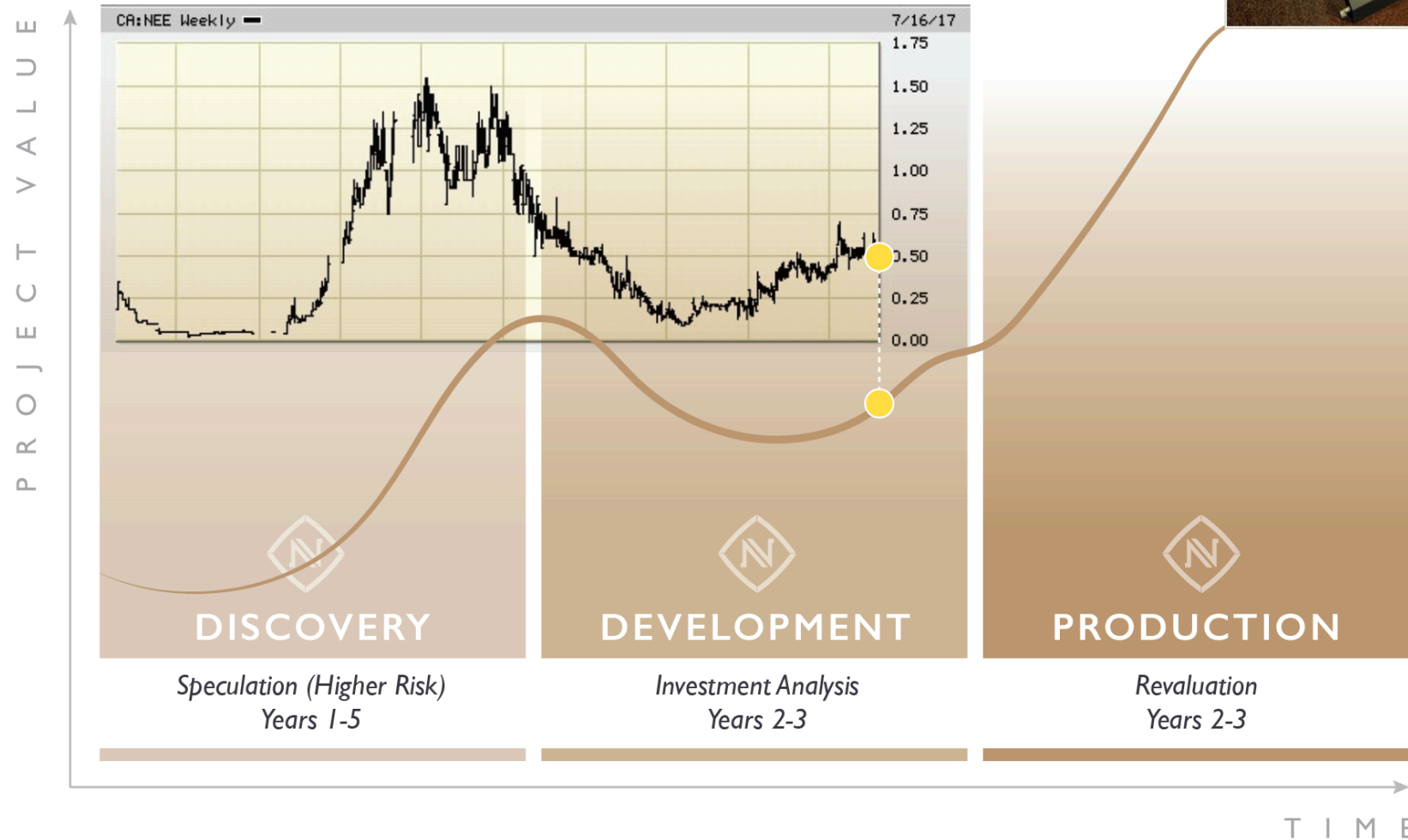
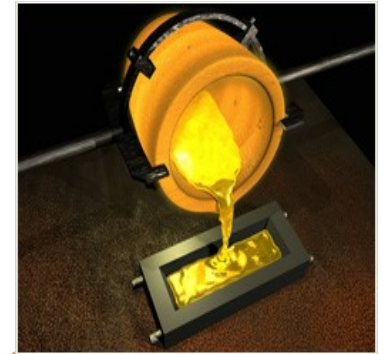


Source: Company Reports

Note: Northern Vertex metrics based on "NI 43-101 Technical Report, Feasibility Study Mohave County, Arizona", dated June 8, 2015.



Mine Development Cycle and NEE Share Performance





Northern Vertex Mining Corp.

Significantly De-Risked

- Strong Financial Partners
- Pilot production de-risked mining process
- Robust economics @ 48% IRR (after tax)
- First gold pour scheduled for Q4 2017

Additional Value Drivers

- Increased Production; Mine Life Extension; Resource Expansion via Exploration; M&A

Contact Us



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