

NORTHERN VERTEX  
MINING CORP

## PRODUCING GOLD IN THE USA

Moss Gold-Silver Mine | NW Arizona



**N**orthern Vertex Mining Corp. (TSXV: NEE / OTC - Nasdaq Intl: NHVCF) **AMERICA'S NEWEST GOLD PRODUCER** is focused on low cost gold and silver production including further exploration in the USA, at its 100% owned Moss Mine located in NW Arizona. The Company has experience across all areas of operations, mine development, exploration, acquisitions and financing of mining projects. With operations at the flagship Moss Mine achieving commercial production the Company intends to consolidate additional producing or near-term production gold assets within the Western US. Through mergers and acquisitions Northern Vertex's corporate goal is to become a mid-tier gold producer with over 200,000 ounces of gold production annually

## WHY INVEST?

MOSS PROJECT / N.W. ARIZONA, U.S.A

1. Commercial Production at Moss announced in September 2018
2. Production Guidance of 36,000 to 40,000oz Gold EQ. in 2019 with 59,000 to 65,000oz Gold EQ in 2020
3. Strong Balance Sheet / Low Debt
4. Mine optimization underway; Power-line permit received
5. Resource expansion potential targeting +1Moz Gold
6. Multi-phase exploration drill program anticipated
7. Excellent infrastructure and nearby workforce
8. Situated in historic mining friendly region. Established relationships with local communities
9. Strong Partners: Greenstone Resources LP, Maverix Metals and HNW Private Banking Investors
10. Positioned for US Gold consolidation





**Oatman Mining District  
N.W. Arizona**

**MINE OPERATIONS / PRODUCTION PLAN**

- ◆ Commercial Production achieved as of September 1, 2018
- ◆ Crushing plant projected to operate above Feasibility Study (> 5,000tpd)
- ◆ Low Strip Ratio: 1.85 : 1 (Life of Mine)
- ◆ Metallurgical recoveries projected at – 82% gold – 65% silver
- ◆ Current Mine-Life - 10 years

**PRODUCTION GUIDANCE**

Category	Fiscal Year 2019 (1)	Fiscal Year 2020
<b>Gold Ounces</b>	32,000 - 36,000 oz	52,000 - 57,000 oz
<b>Silver Ounces</b>	224,000 - 248,000 oz	451,000 - 487,000 oz
<b>Gold Equivalent Ounces (2)</b>	36,000 - 40,000 oz	59,000 - 65,000 oz

(1) Company's fiscal year end is June 30th. Fiscal 2019 includes ten months of production after commercial production.  
 (2) Gold equivalent ounces were calculated using a 60:1 silver to gold conversion ratio

**RESOURCE EXPANSION PROGRAM**

- ◆ Exploration upside – only 5% of property explored
- ◆ Multi-phase drill and expansion program anticipated
- ◆ Numerous high priority targets identified
- ◆ High-grade gold mineralization recently discovered at depth below established gold-silver resource

**RESOURCES + RESERVES**

<b>Moss Mine Resource</b>					
Category	Tonnes	Gold	Silver	Gold Eq	Au Eq
Measured	4,860,000	152,000 oz	1,630,000 oz	1.10 g/t	172,000 oz
Indicated	10,620,000	225,000 oz	2,980,000 oz	0.77 g/t	263,000 oz
Measured & Indicated	15,480,000	377,000 oz	4,610,000 oz	0.87 g/t	435,000 oz
Inferred	2,180,000	38,000 oz	390,000 oz	0.62 g/t	43,000 oz

<b>Moss Mine Reserve</b>						
Material	Category	ROM	Contained Gold	Contained Silver	Grade Gold Eq	Contained Gold Eq
Primary Ore	Proven	4.20 MT	128,160 oz	1,352,030 oz	1.07 g/t	144,490 oz
	Probable	3.30 Mt	79,770 oz	976,260 oz	0.86 g/t	91,240 oz
Low Grade Ore	Proven	0.25 MT	1,740 oz	24,070 oz	0.25 g/t	2,010 oz
	Probable	0.21 MT	1,460 oz	23,920 oz	0.26 g/t	1,760 oz
ALL	Combined	7.96 Mt	211,130 oz	2,376,270 oz	0.93 g/t	238,010 oz

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

**CORPORATE DATA**

(as of December 31, 2018)

<b>TSX Venture Symbol</b>	TSX.V: NEE
<b>Current Price*</b>	\$0.25
<b>Common Shares Outstanding</b>	244.7 million
<b>Warrants Outstanding</b>	104.2 million
<b>Options Outstanding</b>	14.7 million
<b>Working Capital**</b>	\$9.1 million

\* NOTE: Current Price as per January 12, 2019



**KEY SHAREHOLDERS**

Greenstone Resources  
 Directors + Officers  
 Insider's Associates  
 High Net Worth / Private Banking



**MANAGEMENT, DIRECTORS & ADVISORS**

Ken Berry, *President & CEO, Director*  
 Christopher Park, *CFO and Corporate Secretary*  
 Joe Bardswich, *General Manager & Director*  
 Michael Haworth, *Director*  
 David Farrell, *Director*  
 Mark Sawyer, *Director*  
 Jim McDonald, *Director*  
 Geoff Burns, *Director*  
 Bill Martinich, *Moss Mine Manager*  
 Kesler Morris, *Crushing Supervisor*  
 Frank (Bud) Hillemeier, *Exploration Advisor*  
 Perry Durning, *Exploration Advisor*