



NORTHERN VERTEX  
MINING CORP

## Northern Vertex Resource Expansion Drilling Continues to Intersect Elevated Gold and Silver Mineralization at the Moss Mine, Arizona; Including 38.10 Meters Grading 1.43 g/t Gold and 19.22 g/t Silver

Tuesday, July 27<sup>th</sup>, 2021, Vancouver, B.C. - Northern Vertex Mining Corp. (TSX.V: NEE) (USOTC: NHVCF) (the “Company” or “Northern Vertex”) a Western U.S. gold producer with district-scale exploration projects in the Walker Lane Trend, is pleased to report recent results from its multi-phase infill and resource expansion drilling program at the Moss Mine in NW Arizona. Specifically, results reported today are from drilling targeting the Moss and Ruth veins, as well as the intersection between these veins at depth below the Center and East pits.

**Northern Vertex President, Michael G. Allen commented** “Our exploration program has identified several near mine and even intra-mine opportunities which are being drilled. This tranche of drillholes highlights significant zones of high grade and disseminated mineralization being delineated in an undrilled portion of the Moss Mine between the Center and East Pit. Our examination of the data has identified another undrilled area between the Center Pit and West Pit which will be tested shortly. The drilling announced today and over the past several weeks supports our thesis that Moss could be a significant long-life precious metals mine. Resources in the West Pit appear to be limited by a lack of drilling, not geology, and additional drilling may yield further discoveries adding to the near-term opportunities for resource expansion.”

### Highlighted Results:

- **38.10 meters grading 1.43 g/t gold and 19.22 g/t silver**, including 15.24 meters grading 2.90 g/t gold and 36.59 g/t silver in drillhole AR21-458R, targeting the Moss-Ruth intersection below the highwall between the current Center and East pits.
- **22.86 meters grading 1.48 g/t gold and 6.21 g/t silver**, including 4.57 meters grading 3.33 g/t gold and 2.23 g/t silver for the Ruth vein in drillhole AR20-373C.
- Broad intervals of gold and silver mineralization were obtained from several drillholes targeting the Moss-Ruth intersection, including:
  - **195.07 meters grading 0.40 g/t gold and 5.54 g/t silver**, including 15.24 meters grading 2.14 g/t gold and 20.45 g/t silver in drillhole AR21-452R.
  - **68.70 meters grading 0.45 g/t gold and 9.38 g/t silver**, including 9.20 meters grading 1.23 g/t gold and 30.66 g/t silver and 6.10 meters grading 1.43 g/t gold and 27.13 g/t silver in drillhole AR21-454C.
  - **67.06 meters grading 0.54 g/t gold and 8.13 g/t silver**, including 4.57 meters grading 1.22 g/t gold and 17.83 g/t silver and 18.29 meters grading 0.96 g/t gold and 17.59 g/t silver in drillhole AR21-459R.
- Drilling results continue to indicate the presence of significant gold and silver mineralization in the Ruth vein (see News Release dated 18 May 2021), with intersections presented here occurring within 70 meters of the south wall crest of the existing mining operations.

- Moss-Ruth intersection drilling results continue to indicate the presence of gold and silver mineralization below the Center and East pits; mineralization was intersected at elevations ranging from the current base of our deepest pit down to depths of almost 200 meters below this level. Similar mineralization intersection depths were noted in our News Release dated 10 June 2021.

**Northern Vertex Vice President of Exploration, Warwick S. Board commented,** “Results from the resource expansion drilling continue to increase confidence in our understanding of the geology and mineralization continuity of the Moss, Ruth, and associated stockwork vein system below and adjacent to the Moss Mine in support of mine expansion planning.”

### **Geology of the Moss-Ruth Intersection Area**

The Moss and Ruth veins are fault-hosted epithermal quartz-calcite veins with associated vein stockwork that are younger than and cut across the Moss quartz monzonite porphyry host rock in the vicinity of the mine. The Moss vein strikes slightly north of east and dips to the south. Locally, the Moss vein develops a more northerly strike. The Ruth vein is sub-parallel to, and dips towards, the Moss vein. The two veins intersect at depths of between 180 meters and 230 meters below the current surface.

### **Drill Results**

Assay results for eleven diamond core and eight Reverse Circulation (RC) drillholes drilled from five different locations are included in this news release (see Table 1).

The results from the current tranche of drilling indicate the presence of significant gold and silver mineralization in the Moss and Ruth veins, the hanging wall stockwork between these veins, and the intersection between these veins beneath the existing mining operations ([Figure 1 Moss-Ruth Intersection Drilling Area Location Map](#); [Figure 2 Drillhole Location Map](#); [Figure 3 Cross Section: Otto Load Site, Moss-Ruth Intersection Target Drilling Area](#); [Figure 4 Cross Section: Butt Dumps Site, Moss-Ruth Intersection Target Drilling Area](#)). The longest intersection of gold and silver mineralization was obtained from the highwall area between the Center and East pits, further attesting to the resource expansion potential in this part of the mine. Significant gold and silver mineralization was intersected in the Moss-Ruth intersection area beneath the Center and East pits at depths ranging from the current base of the Center pit (the deepest part of the current Moss Mine workings) down to depths of almost 200 meters below this level. Significant gold and silver mineralization was intersected in the Ruth vein less than 70 meters south of the crest of the Center and East pits, and in the Ruth-Moss intersection

**Table 1:** Results of Northern Vertex's 2020/2021 Resource Expansion Drilling targeting the Moss vein, Ruth vein, and Moss-Ruth Intersection beneath the Moss Mine

Location	Hole ID	Target	Az/Dip	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	AuEq (g/t)
<b>Otto Load</b>	AR20-390C and including	Ruth vein metallurgical	125/-65	2.80	4.27	1.46	2.54	38.80	3.06
				70.20	75.90	5.70	1.66	9.44	1.79
				72.27	74.37	2.10	3.68	21.42	3.97
	AR20-373C including	Ruth vein metallurgical	180/-80	45.72	68.58	22.86	1.48	6.21	1.56
				64.01	68.58	4.57	3.33	2.23	3.36
AR21-452R including	Ruth-Moss Intersection	338/-77	152.40	347.47	195.07	0.42	5.54	0.49	
			196.60	211.84	15.24	2.14	20.45	2.42	
<b>Crusher Office</b>	AR20-385C and	Ruth vein metallurgical	140/-45	61.57	65.87	4.30	0.96	6.85	1.05
				76.81	79.86	3.05	1.29	1.45	1.31
	AR20-386C including		140/-6d5	61.23	75.59	14.36	1.04	5.69	1.12
				70.35	74.07	3.72	2.00	6.64	2.09
<b>Butt Dumps</b>	AR21-436C and including	Ruth-Moss Intersection	340/-45	145.08	160.32	15.24	0.26	4.61	0.32
				163.98	184.71	20.73	1.47	17.37	1.71
				171.75	175.56	3.81	5.03	42.72	5.60
	AR21-437C including	Ruth-Moss Intersection	340/-54	152.49	203.61	51.11	0.40	4.75	0.46
				194.43	203.61	9.17	0.63	9.79	0.76
	AR21-438C	Ruth-Moss Intersection	340/-61	170.69	185.32	14.63	0.27	7.03	0.36
	AR21-453C and and	Ruth-Moss Intersection	340/-67	83.21	86.96	3.75	0.42	1.84	0.45
				125.88	135.03	9.14	0.48	2.28	0.51
				224.94	234.09	9.14	0.33	6.87	0.42
	AR21-454C including including	Ruth-Moss Intersection	340/-73	189.77	258.47	68.70	0.45	9.38	0.57
				218.63	227.84	9.20	1.23	30.66	1.64
	AR21-455C including	Ruth-Moss Intersection	025/-45	241.71	247.80	6.10	1.43	27.13	1.79
				133.72	169.77	36.06	0.46	8.37	0.58
	AR21-477R including including	Ruth-Moss Intersection	330/-45	155.14	165.14	10.00	0.95	12.21	1.12
155.45				207.26	51.82	0.62	12.74	0.79	
155.45				163.07	7.62	1.01	16.36	1.23	
198.12				204.22	6.10	1.61	51.50	2.30	
160.02				220.98	60.96	0.78	35.67	1.26	
AR21-478R including and	Ruth-Moss Intersection	330/-45	201.17	216.41	15.24	1.99	123.40	3.63	
			240.79	243.84	3.05	0.58	1.25	0.60	
			167.64	170.69	3.05	6.11	33.35	6.56	
<b>Otto Load 2</b>	AR21-458R and including	Ruth-Moss Intersection	343/-62	184.40	201.17	16.76	0.26	6.57	0.35
				225.55	263.65	38.10	1.43	19.22	1.68
				243.84	259.08	15.24	2.90	36.59	3.39
				161.54	228.60	67.06	0.54	8.13	0.65
AR21-459R									

	including including		343/-50	<b>163.07</b>	<b>167.64</b>	<b>4.57</b>	<b>1.22</b>	<b>17.83</b>	<b>1.46</b>	
				193.55	211.84	18.29	0.96	17.59	1.19	
<b>Fuel Tanks</b>	AR21-432C and and	Ruth-Moss Intersection	017/-63	182.12	185.17	3.05	0.53	8.05	0.63	
				302.48	305.65	3.17	0.33	1.15	0.34	
				316.38	324.00	7.62	0.27	11.84	0.43	
	AR21-465R and and Including		355/-45		1.52	12.19	10.67	0.26	2.31	0.29
					196.60	205.74	9.14	0.28	6.44	0.37
					237.74	256.03	18.29	0.39	4.71	0.46
					245.36	254.51	9.14	0.62	6.32	0.71
	AR21-466R and and		355/-52		219.46	233.17	13.72	0.26	5.78	0.33
					257.56	266.70	9.14	0.27	5.43	0.34
					278.89	281.94	3.05	0.43	1.70	0.45
	AR21-471R and and		004/-60		<b>115.82</b>	<b>129.54</b>	<b>13.72</b>	<b>1.59</b>	<b>26.01</b>	<b>1.94</b>
					211.84	216.41	4.57	0.33	1.23	0.35
		294.13		300.23	6.10	0.26	2.48	0.30		

**Note:** Drillhole suffix 'C' denotes diamond core drillhole; 'R' denotes RC drillhole. True thickness ranges between approximately 50% and 85% of reported interval thickness for north-inclined drillholes targeting the Moss vein and Moss-Ruth intersection; between approximately 60% and 75% for south-inclined drillholes targeting the Ruth vein, and between 20% and 30% for drillholes inclined to the north where drilling intersected the Ruth vein while targeting the Moss and Ruth-Moss intersection. Assay data are uncapped.  $AuEq = Au + Ag/75$ . Core drilling was conducted by Timberline Drilling Inc., RC drilling was conducted by Boart Longyear. RC samples, collected every 1.52 m, were transported in sealed bags to Skyline Assayers and Laboratories (Skyline) in Tucson, AZ. Field control QAQC samples, including standards, blanks, and field duplicates, were inserted into the sample stream at a rate of three field control samples approximately every 20 regular samples. Gold was determined by fire-assay fusion of a 30 g sub-samples with atomic absorption spectroscopy (method FA-01). Overlimit samples of gold were assayed by gravimetric means (FA-02). Skyline Laboratories is accredited in accordance with ISO/IEC 17025:2017 and ISO 9001:2015.

## Qualified Person

Dr. Warwick Board, P.Geo., Vice President Exploration of Northern Vertex, is the Qualified Person as defined by NI 43-101 responsible for the Moss Regional Exploration Project and has reviewed and approved the scientific and technical information in this news release related thereto.

## About Northern Vertex Mining Corp.

Northern Vertex offers investors a rare combination of cash flow, production, top-tier management, and exceptional exploration potential within two projects on the Walker Lane Gold Trend of western Nevada and Arizona. Management is executing a clear strategy that expands production and resources at the Moss Mine in Arizona while aggressively exploring the Hercules Project in Nevada.

## ON BEHALF OF THE BOARD OF NORTHERN VERTEX MINING CORP

"Michael G. Allen"  
President

## CORPORATE INQUIRIES:

Michael G. Allen, President  
Company Website: [www.northernvertex.com](http://www.northernvertex.com)  
+1 (855) 633-8798 Toll Free  
+1 (604) 601-3656 Office  
Email: [mike@northernvertex.com](mailto:mike@northernvertex.com)

TSXV: NEE | USOTC: NHVCF | Frankfurt: 54N | ISIN: CA6660061012 | WKN: A1JUA0

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