



NORTHERN VERTEX  
MINING CORP

**Northern Vertex Resource Expansion Drilling  
Intersects 36.58 Meters Grading 1.46 g/t Gold and 35.10 g/t Silver,  
Highlighting Depth Potential at Moss Mine, Arizona**

**Thursday, June 10<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. Results for this release are focused on drilling targeting the Moss and Ruth veins and the intersection between these veins at depth below the Center and East pits of the producing Moss Mine.

**Key Points:**

- **36.58 meters grading 1.46 g/t gold and 35.10 g/t silver**, including 15.24 meters grading 2.05 g/t gold and 52.38 g/t silver at the interpreted intersection between the Moss and Ruth veins in drillhole AR21-410C.
- **30.85 meters grading 1.65 g/t gold and 34.25 g/t silver**, including 6.10 meters grading 3.83 g/t gold and 81.85 g/t silver for the Moss vein in drillhole AR21-411C.
- **8.23 meters grading 3.22 g/t gold and 18.10 g/t silver** for the Ruth vein in drillhole AR21-414C.
- Drilling indicates the potential for significant mineralization at depths ranging between 20 meters to 170 meters below the current base of our deepest pit, with all drillholes in this area intersecting gold and silver mineralization.

**Northern Vertex President, Michael G. Allen commented** “We are currently only mining along 1,500 meters of the approximately 6,000 meters strike length of the Moss vein traceable on surface. All recent drilling results support our thesis that there is additional resource expansion potential along strike of, and at depth beneath, the Moss Mine. Additionally, our view is that the regional opportunity is also significant, which is why we permitted over 500 new drill sites and are methodically drilling the highest priority sites right now.”

**Northern Vertex Vice President of Exploration, Warwick S. Board commented**, “The presence of high-grade gold and silver mineralization in the Moss and Ruth veins, and the intersection between them represents an exceptional opportunity for resource expansion at depth at the Moss mine, particularly in the highwall area between the Center and East pits. To this end, additional infill drilling targeting the veins and their intersection below the current mine has been planned and is in progress. We eagerly await the results from this drilling, which will be released in due course.”

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

The Moss and Ruth veins are fault-hosted epithermal quartz-calcite veins with associated vein stockwork. 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 ten diamond core and six Reverse Circulation (RC) drillholes drilled from four different locations are included in this news release (see Table 1).

This tranche of drilling indicates the presence of significant mineralization in the Moss and Ruth veins, and the intersection between these veins beneath the existing mining operations, particularly in the highwall area between the Center and East pits (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](#)). Significant gold and silver mineralization was intersected at depths of between 20 meters and 170 meters below the current base of the Center pit, the deepest part of the current Moss Mine workings.

**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)
Center Pit	AR20-365C	Ruth vein	180/-70	5.49	14.17	8.69	0.39	8.53	0.51
	and			35.97	56.75	20.79	0.24	3.97	0.29
	and			160.93	173.03	12.10	0.42	0.98	0.43
Otto Load	AR21-407C	Moss vein	0/-78	<b>222.20</b>	<b>300.29</b>	<b>78.09</b>	<b>0.49</b>	<b>16.75</b>	<b>0.71</b>
	including			<b>264.87</b>	<b>274.02</b>	<b>9.14</b>	<b>0.93</b>	<b>26.13</b>	<b>1.28</b>
	including			<b>289.26</b>	<b>300.29</b>	<b>11.03</b>	<b>0.98</b>	<b>30.88</b>	<b>1.39</b>
	AR21-410C	Moss-Ruth Intersection	0/-71	100.28	109.42	9.14	0.72	4.30	0.78
	and			127.71	133.81	6.10	0.34	6.20	0.43
	and			<b>213.06</b>	<b>249.63</b>	<b>36.58</b>	<b>1.46</b>	<b>35.10</b>	<b>1.93</b>
	including			<b>231.34</b>	<b>246.58</b>	<b>15.24</b>	<b>2.05</b>	<b>52.38</b>	<b>2.75</b>
	AR21-411C	Moss vein	0/-60	139.90	155.14	15.24	0.60	8.12	0.71
	and			<b>175.87</b>	<b>206.72</b>	<b>30.85</b>	<b>1.65</b>	<b>34.25</b>	<b>2.10</b>
	including			<b>194.77</b>	<b>200.86</b>	<b>6.10</b>	<b>3.83</b>	<b>81.85</b>	<b>4.92</b>
	AR21-414C	Ruth vein	180/-87	<b>91.14</b>	<b>99.36</b>	<b>8.23</b>	<b>3.22</b>	<b>18.20</b>	<b>3.47</b>
	and			182.58	185.62	3.05	0.49	2.30	0.52
	AR21-416C	Ruth vein	180/-67	<b>59.13</b>	<b>61.57</b>	<b>2.44</b>	<b>4.29</b>	<b>29.00</b>	<b>4.68</b>
	And			106.07	109.12	3.05	0.38	1.80	0.41
	AR21-439R	Moss vein	25/-50	<b>106.68</b>	<b>179.83</b>	<b>73.15</b>	<b>0.49</b>	<b>10.35</b>	<b>0.63</b>
including	<b>121.92</b>			<b>123.44</b>	<b>1.52</b>	<b>4.97</b>	<b>24.60</b>	<b>5.30</b>	
including	<b>156.97</b>			<b>179.83</b>	<b>22.86</b>	<b>0.84</b>	<b>22.90</b>	<b>1.15</b>	
AR21-440R	Moss vein	25/-60	99.06	100.58	1.52	0.50	19.60	0.76	

	and			<b>126.49</b>	<b>199.64</b>	<b>73.15</b>	<b>0.41</b>	<b>7.60</b>	<b>0.52</b>
	including			<b>134.11</b>	<b>137.16</b>	<b>3.05</b>	<b>2.56</b>	<b>26.90</b>	<b>2.92</b>
	including			<b>143.26</b>	<b>147.83</b>	<b>4.57</b>	<b>1.01</b>	<b>11.47</b>	<b>1.16</b>
	including			<b>195.07</b>	<b>199.64</b>	<b>4.57</b>	<b>1.16</b>	<b>35.53</b>	<b>1.64</b>
	and			216.41	217.93	1.52	0.47	6.00	0.55
	and			236.22	237.74	1.52	0.39	1.50	0.41
	AR21-441R	Moss-Ruth Intersection	25/-70	100.58	103.63	3.05	0.78	3.05	0.82
	and			109.73	111.25	1.52	0.57	2.50	0.60
	and			182.88	188.98	6.10	0.40	9.25	0.53
	and			<b>217.93</b>	<b>248.41</b>	<b>30.48</b>	<b>0.79</b>	<b>18.84</b>	<b>1.04</b>
	including			<b>239.27</b>	<b>246.89</b>	<b>7.62</b>	<b>1.99</b>	<b>46.36</b>	<b>2.61</b>
	AR21-449R	Moss vein	338/-45	27.43	30.48	3.05	0.33	0.45	0.34
	and			<b>167.64</b>	<b>185.93</b>	<b>18.29</b>	<b>1.29</b>	<b>26.44</b>	<b>1.64</b>
	including			<b>172.21</b>	<b>178.31</b>	<b>6.10</b>	<b>3.06</b>	<b>60.53</b>	<b>3.87</b>
	and			193.55	201.17	7.62	0.30	3.08	0.34
	AR21-450R	Moss vein	338/-53	167.64	240.79	73.15	0.37	5.08	0.44
	including			188.98	196.60	7.62	0.87	17.04	1.10
	including			210.31	216.41	6.10	0.62	5.40	0.69
	including			<b>239.27</b>	<b>240.79</b>	<b>1.52</b>	<b>1.02</b>	<b>13.90</b>	<b>1.21</b>
	AR21-451R	Moss-Ruth Intersection	338/-68	144.78	291.08	146.30	0.27	3.71	0.32
	including			196.60	202.69	6.10	0.50	2.75	0.54
	including			224.03	227.08	3.05	0.39	10.55	0.53
	including			<b>240.79</b>	<b>260.60</b>	<b>19.81</b>	<b>0.85</b>	<b>15.79</b>	<b>1.06</b>
	including			<b>242.32</b>	<b>245.36</b>	<b>3.05</b>	<b>3.14</b>	<b>44.95</b>	<b>3.74</b>
	including			272.80	278.89	6.10	0.45	1.53	0.47
	including			288.04	291.08	3.05	0.86	1.30	0.88
<b>Otto Load 2</b>	AR21-418C	Moss vein	15/-55	194.46	234.09	39.62	0.44	5.17	0.51
	including			<b>200.56</b>	<b>206.65</b>	<b>6.10</b>	<b>1.59</b>	<b>9.15</b>	<b>1.71</b>
	AR21-421C	Moss-Ruth Intersection	15/-63	167.34	170.38	3.05	0.45	2.40	0.48
	and			258.47	261.52	3.05	0.39	12.70	0.56
	and			286.21	289.26	3.05	0.70	5.70	0.78
	AR21-422C	Moss and Ruth veins	15/-70	219.15	224.33	5.18	0.34	8.29	0.45
	and			266.40	274.02	7.62	0.54	3.20	0.58
	and			289.26	292.30	3.05	0.49	3.15	0.53
	and			301.45	307.54	6.10	0.48	1.43	0.50
<b>Fuel Tanks</b>	AR21-423C	Moss vein	17/-47	206.72	232.56	25.85	0.41	5.58	0.48
	including			<b>208.18</b>	<b>210.92</b>	<b>2.74</b>	<b>1.09</b>	<b>18.27</b>	<b>1.33</b>
	including			216.41	219.46	3.05	0.73	8.35	0.84
	And			266.30	267.98	1.68	0.41	1.10	0.42
	and			270.36	271.88	1.52	0.44	1.00	0.45

**Note:** Drillhole suffix 'C' denotes diamond core drillhole; 'R' denotes RC drillhole. True thickness ranges between

*approximately 50% for steeply north-inclined drillholes and 89% for drilling inclined at -45 degrees to the north targeting the Moss vein and Moss-Ruth intersection; and between 54% and 80%, respectively, for subvertical to -67 degrees inclined to the south drilling targeting the Ruth vein. 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”  
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