

**Press Release**  
For immediate release

## **NORTHERN SUPERIOR REPORTS 5.96 G/T GOLD OVER 10.0 METRES, 2.94 G/T GOLD OVER 14.0 METRES, AND 1.63 G/T GOLD OVER 20.6 METRES FROM THE ARCTIC FOX ZONE OF THE PHILIBERT PROJECT**

Toronto, Ontario, Canada, January 11, 2023 – Northern Superior Resources Inc. (“Northern Superior” or the “Company”) (TSXV: SUP) (OTCQX: NSUPF) is pleased to report the remaining assay results for the Arctic Fox Zone (see Figures 1 and 2) from its 2022 core drill campaign on the Philibert gold property (see press release dated November 15, 2022), located 60 kilometres southwest of Chibougamau, Québec.

**Highlights Include** (*Grades uncut; lengths measured along hole, Table 1*):

- 23 Holes Remain Pending (from the 2022 Philibert drill core program);
- DDH PB-22-360 returned 5.96 g/t Au over 10.0 metres 180.0 to 190.0 metres, including 11.2 g/t Au over 0.5 metres from 181.5 to 182.0 metres and including 12.9 g/t Au over 0.5 metres from 182.5 to 183.0 metres;
- DDH PB-22-339 returned 2.94 g/t Au over 14.0 metres from 340.0 to 354.0 metres, including 4.01 g/t Au over 8.9 metres from 341 to 349.9 metres, and including 9.79 g/t Au over 2.0 metres from 346.0 to 348.0 metres;
- DDH PB-22-400 returned 1.63 g/t Au over 20.6 metres from 86.4 to 107.0 metres, including 3.61 g/t Au over 7.6 metres from 86.4 to 94.0 metres and 1.26 g/t Au over 9.5 metres from 116.0 to 125.5 metres;
- DDH PB-22-390 returned 1.18 g/t Au over 19.0 metres from 101.0 to 120.0 metres and,
- DDH PB-22-407 returned 1.03 g/t Au over 20.0 metres from 66.0 to 86.0 metres.

Simon Marcotte, President & CEO of Northern Superior, commented: “We continue to be impressed by the results from the 2022 drill program on the Arctic Fox Zone. Results continue to show high grade gold over considerable widths along strike and down dip. We look forward to continuing to expand the zone along strike and down plunge especially toward the fault zone, known as the Fennec Fox area.”

Mr. Marcotte added: “Following our consolidation endeavors in 2022, the year ahead promises to be a busy and exciting year for Northern Superior. Not only do we still have 23 holes pending from the Philibert program, but results from the recently completed drilling campaigns at Lac Surprise and Croteau Est, cumulating over 19,000 metres, will also provide for significant news flow in the weeks and months ahead. We also remain on track for an updated resource estimate on Philibert in the next few months, which we trust will establish Philibert as a pillar of this rapidly emerging gold camp.”

### **2022 Drill Program**

Northern Superior is reporting assay results from the remaining sixteen drill holes for the Arctic Fox Zone, completed in 2022. This zone is part of the northwestern footwall located within the 3-kilometre Philibert

mineralized corridor. To date, *the Arctic Fox Zone has been defined over 600 metres along strike and up to 275 metres vertical depth.*

Results reported today include drill hole **PB-22-339** one of the deepest holes to test the southern part of the Arctic Fox Zone at a vertical depth of 270 metres, which returned **2.94 g/t Au over 14.0 metres from 340.0 to 354.0 metres**. Drill hole **PB-22-360** also tested mineralization down dip on the southern Arctic Fox Zone and returned **5.96 g/t Au over 10.0 metres from 180.0 to 190.0 metres** at a vertical depth of 145 metres. Drill hole **PB-22-358** drilled near surface and up dip of drill holes PB-22-360 and PB-22-339 in the southwestern extent of the Arctic Fox Zone returned **1.99 g/t Au over 12.4 metres from 42.7 to 55.1 metres** (see Figures 1, 2 and 3). From the eastern extent of the southern Arctic Fox Zone drill holes PB-22-369 and PB-22-373 appear to be drilled too far south missing the intended mineralized zone.

From the central area of the northern Arctic Fox Zone, drill hole **PB-22-407** returned **1.03 g/t Au over 20.0 metres from 66.0 to 86.0 metres** and **PB-22-400** returned **1.63 g/t Au over 20.6 metres from 86.4 to 107.0 metres**. In the eastern area of the northern Arctic Fox Zone drill hole **PB-22-390** returned **1.18 g/t Au over 19.0 metres from 101 to 120.0 metres** (see Figures 1, 2 and 4). The most eastern drill hole testing the northern Arctic Fox Zone, PB-22-413 returned weak mineralization and may have been drilled south of the surface extent of the interpreted zone.

Mineralization is hosted in a quartz rich gabbro named the Philibert Horizon, part of the Obatogamau Formation, and focused within west-northwest to northwest trending silicified shear zones with moderate dips to the northeast. Mineralization is characterized by strong ankerite and silicification including dark grey quartz veining and up to 20% disseminated pyrite and pyrrhotite mineralization. See Table 1 and Figures 1 to 5 below.

Complete assay results for the 2022 drill program, Arctic Fox Zone, are provided in Appendix One.

*Table 1: Reported Assay Results, Arctic Fox Zone*

Drill Hole	From (m)	To (m)	Interval (m)	Au (g/t)	Zone
<b>PB-22-339</b>	340.0	354.0	14.0	2.94	Arctic Fox - North
including	341.0	349.9	8.9	4.01	Arctic Fox - North
and including	346.0	348.0	2.0	9.79	Arctic Fox - North
<b>PB-22-358</b>	42.7	55.1	12.4	1.99	Arctic Fox - South
including	49.8	55.1	5.3	3.11	Arctic Fox - South
and	69.2	70.1	0.9	0.97	Arctic Fox - South
<b>PB-22-360</b>	180.0	190.0	10.0	5.96	Arctic Fox - South
including	181.5	182.0	0.5	11.20	Arctic Fox - South
including	182.5	183.0	0.5	12.90	Arctic Fox - South
<b>PB-22-363</b>	108.0	109.0	1.0	0.80	Arctic Fox - North
and	125.0	127.0	2.0	0.51	Arctic Fox - North
and	208.0	210.2	2.2	0.97	Arctic Fox - North

<b>PB-22-369</b>	13.6	14.8	1.2	0.40	Arctic Fox - South
<b>PB-22-373</b>	15.3	18.1	2.8	0.66	Arctic Fox - South
and	62.5	70.5	8.0	0.54	Arctic Fox - South
including	65.0	65.7	0.7	2.77	Arctic Fox - South
<b>PB-22-390</b>	101.0	120.0	19.0	1.18	Arctic Fox - North
including	104.0	106.0	2.0	2.63	Arctic Fox - North
including	111.0	114.0	3.0	2.41	Arctic Fox - North
including	119.0	120.0	1.0	3.26	Arctic Fox - North
<b>PB-22-398</b>	53.0	56.0	3.0	1.64	Arctic Fox - North
and	87.7	95.0	7.3	0.63	Arctic Fox - North
<b>PB-22-400</b>	86.4	107.0	20.6	1.63	Arctic Fox - North
including	86.4	94.0	7.6	3.61	Arctic Fox - North
and	116.0	125.5	9.5	1.26	Arctic Fox - North
<b>PB-22-404</b>	96.2	103.6	7.4	0.70	Arctic Fox - North
including	97.0	98.8	1.8	1.81	Arctic Fox - North
<b>PB-22-406</b>	89.0	94.0	5.0	1.05	Arctic Fox - North
<b>PB-22-407</b>	16.9	17.6	0.7	0.65	Arctic Fox - North
and	66.0	86.0	20.0	1.03	Arctic Fox - North
including	66.0	67.0	1.0	2.00	Arctic Fox - North
including	78.0	80.0	2.0	3.40	Arctic Fox - North
and	100.0	101.0	1.0	0.54	Arctic Fox - North
<b>PB-22-409</b>	17.0	35.5	18.5	0.57	Arctic Fox - North
including	21.5	22.0	0.5	2.72	Arctic Fox - North
including	34.4	35.5	1.1	4.43	Arctic Fox - North
<b>PB-22-411</b>	12.5	17.5	5.0	1.39	Arctic Fox - North
including	15.5	16.5	1.0	4.00	Arctic Fox - North
and	36.3	40.5	4.2	2.44	Arctic Fox - North
including	36.3	37.5	1.2	4.00	Arctic Fox - North
<b>PB-22-412</b>	35.0	57.3	22.3	0.61	Arctic Fox - North
including	35.0	36.0	1.0	2.13	Arctic Fox - North
including	46.0	47.0	1.0	3.08	Arctic Fox - North
including	56.0	56.6	0.6	5.22	Arctic Fox - North
<b>PB-22-413</b>	19.4	22.5	3.1	0.89	Arctic Fox - North
and	30.0	37.0	7.0	0.43	Arctic Fox - North
and	46.0	47.0	1.0	0.63	Arctic Fox - North

*Note: drill results are presented uncapped; lengths represent core lengths.*

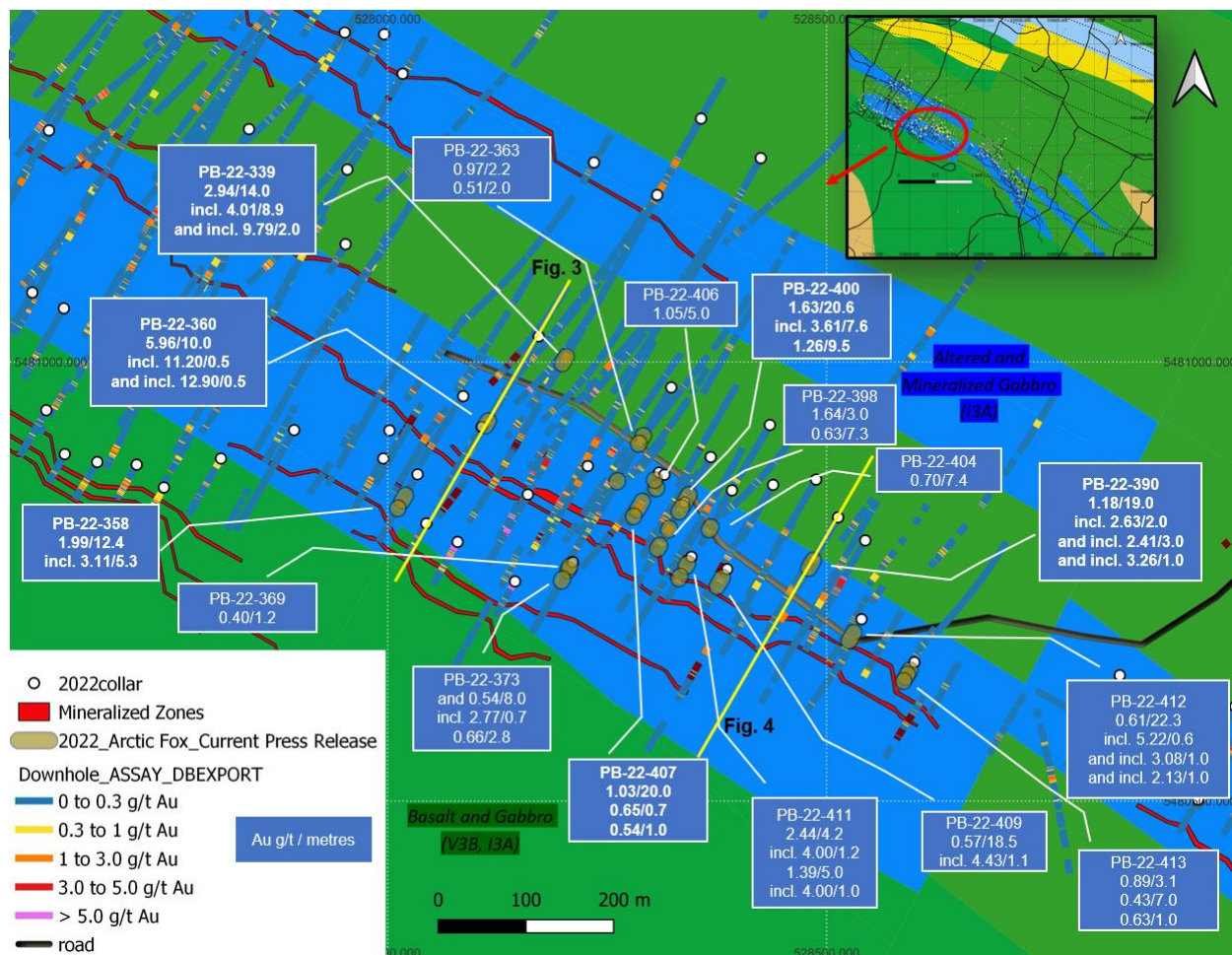


Figure 1: Plan map with results from current press release for the Arctic Fox Zone. Section lines for Figure 3 and 4 in yellow.

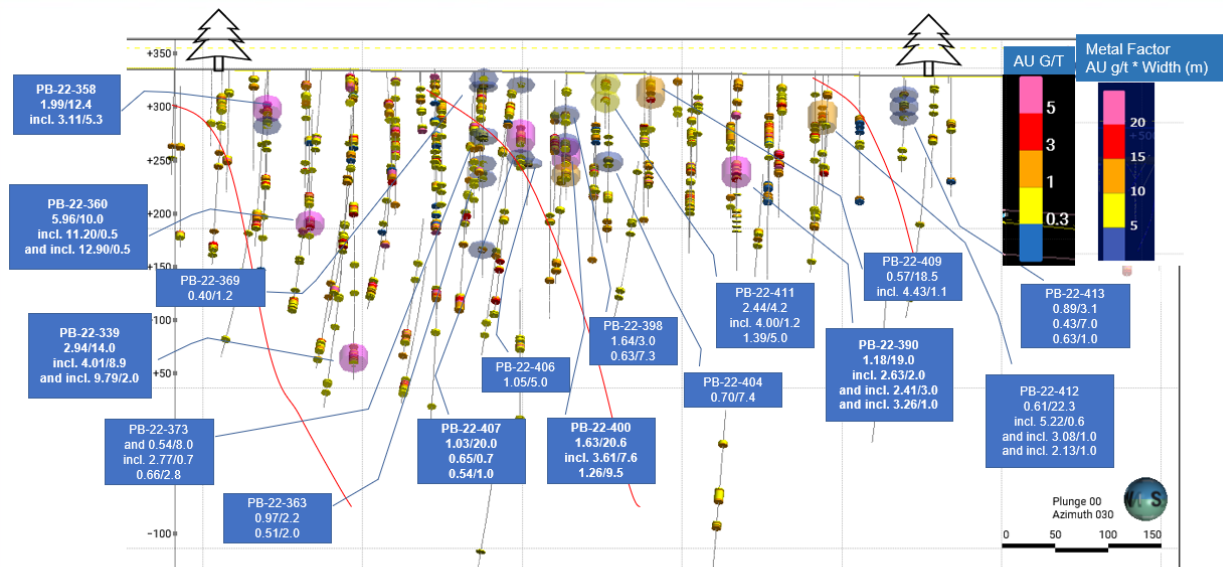


Figure 2: Longitudinal view of the Arctic Fox Zone – looking northeast inclined at 30 degrees.

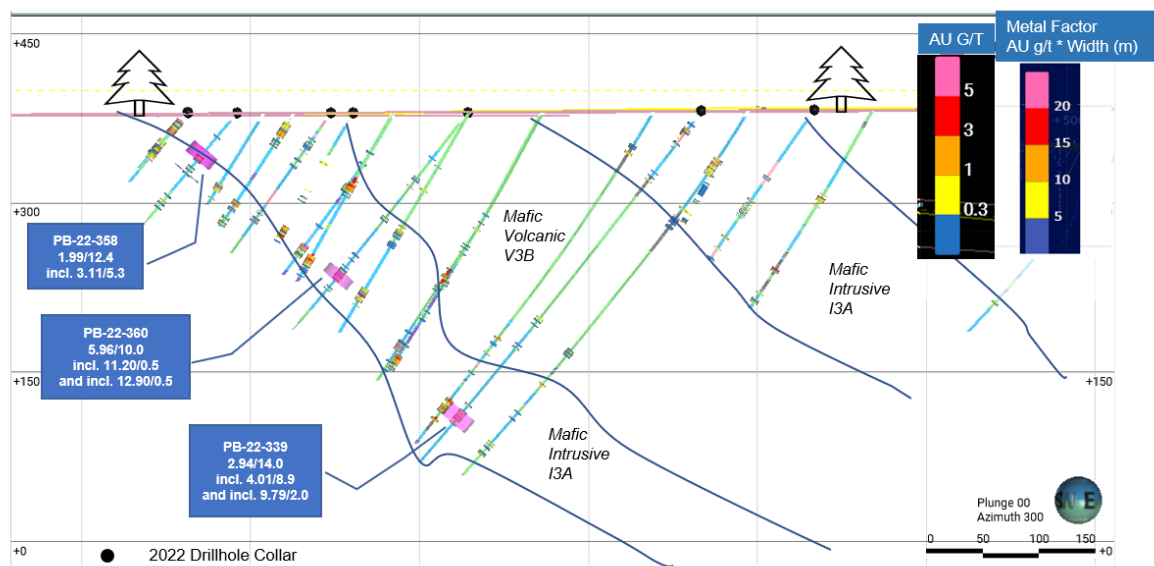


Figure 3: Section L11480W showing hole PB-22-358, PB-22-360 and PB-22-339 – Arctic Fox Zone. Section width is 85.0 metres.



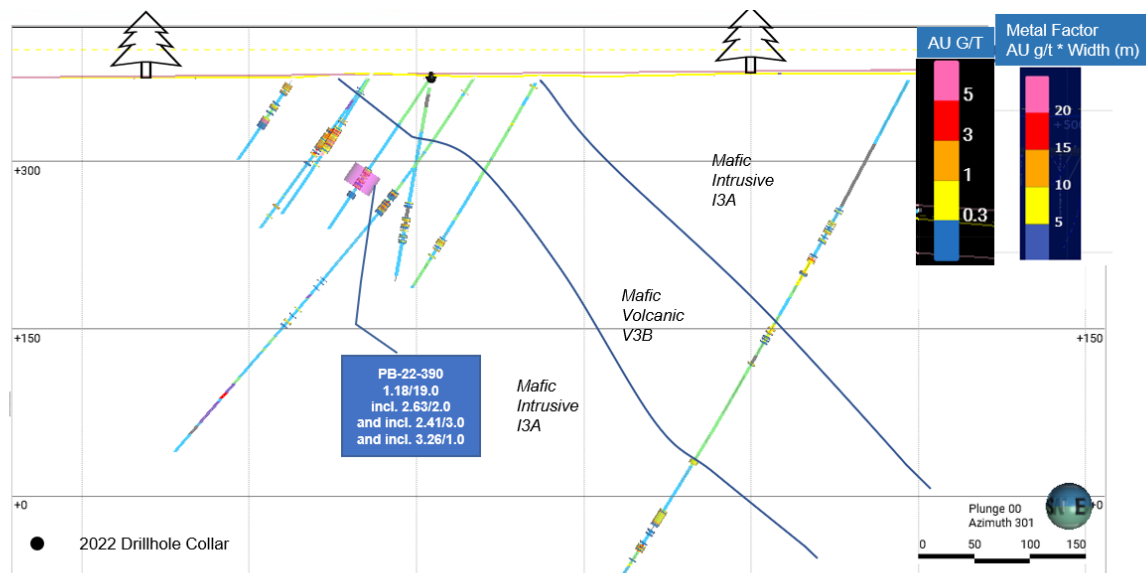


Figure 4: Section L11080W showing hole PB-22-390 Arctic Fox Zone. Section width is 60.0 metres.

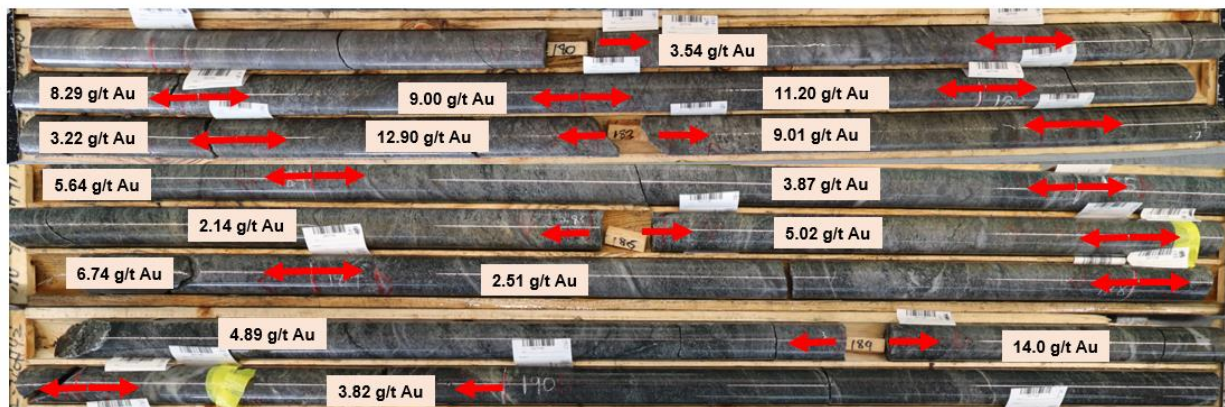


Figure 5: Drill core photo of PB-22-360 from 180.0 to 190.0 metres with 5.96 g/t Au over 10.0 metres.

### Sampling and Laboratory

True widths of the intercepts reported in this press release have yet to be determined but are estimated to be 60% to 90% of reported core lengths. All NQ-size split core assays reported for 2022 were obtained by fire assay with atomic absorption finish and samples returning values over 10 ppm Au are re-analyzed, utilizing standard Fire Assay-Gravimetric methods. Samples were shipped to AGAT Laboratories with sample preparation done in Val-d'Or, Québec and sample analysis done in Mississauga, Ontario. The quality assurance and quality control protocol include insertion of blank and standard every 25 samples on average, in addition to the regular insertion of blank, duplicate, and standard samples inserted by AGAT Laboratories during the analytical process.



The technical content and scientific aspects of this press release have been reviewed and approved by Mrs. Adree DeLazzer, P. Geo., a Qualified Person as defined by the National Instrument 43-101. Mrs. DeLazzer is Vice-President Exploration of Northern Superior and is not considered independent.

#### **About Northern Superior Resources Inc.**

Northern Superior is a gold exploration company focused on the Chapais-Chibougamau Camp in Québec. The Company has consolidated the largest land package in the region, with total land holdings currently exceeding 62,000 hectares. The main properties include Philibert, Lac Surprise, Chevrier and Croteau Est. Northern Superior also owns significant exploration assets in Northern Ontario highlighted by the district scale TPK Project.

The Philibert Project is located 9km from IAMGOLD Corporation's Nelligan Gold project which was awarded the "Discovery of the Year" by the Québec Mineral Exploration Association (AEMQ) in 2019. To date, more than C\$13 million (historical value) have been spent on the Philibert Project, with more than 75,000 metres of drilling completed. The Philibert Project is owned by SOQUEM; the Company is currently undergoing an ownership option process, details of which can be found in the corporate presentation. Chevrier hosts an inferred mineral resource of 652,000 ounces Au (underground and open pit) and an indicated mineral resource of 260,000 ounces Au. Croteau Est hosts an inferred mineral resource of 640,000 ounces Au. Lac Surprise hosts the Falcon Zone Discovery, interpreted to be the western strike extension of IAMGOLD Corporation's Nelligan Deposit.

Northern Superior is a reporting issuer in British Columbia, Alberta, Ontario and Québec, and trades on the TSX Venture Exchange under the symbol SUP, and the OTCQB Venture Market under the symbol NSUPF. For further information, please refer to the Company's website at [www.nsuperior.com](http://www.nsuperior.com) or on SEDAR ([www.sedar.com](http://www.sedar.com)).

#### **About SOQUEM**

SOQUEM, a subsidiary of Investissement Québec, is dedicated to promoting the exploration, discovery, and development of mining properties in Québec. SOQUEM also contributes to maintaining strong local economies. Proud partner and ambassador for the development of Québec's mineral wealth, SOQUEM relies on innovation, research, and strategic minerals to be well-positioned for the future.

#### **Northern Superior Resources Inc. on Behalf of the Board of Directors**

Simon Marcotte, CFA, President and Chief Executive Officer

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### Cautionary Note Regarding Forward-Looking Statements

*This Press Release contains forward-looking statements that involve risks and uncertainties, which may cause actual results to differ materially from the statements made. When used in this document, the words “may”, “would”, “could”, “will”, “intend”, “plan”, “anticipate”, “believe”, “estimate”, “expect” and similar expressions are intended to identify forward-looking statements. Such statements reflect our current views with respect to future events and are subject to such risks and uncertainties. Many factors could cause our actual results to differ materially from the statements made, including those factors discussed in filings made by us with the applicable securities regulatory authorities. Should one or more of these risks and uncertainties, such actual results of current exploration programs, the general risks associated with the mining industry, the price of gold and other metals, currency and interest rate fluctuations, increased competition and general economic and market factors, occur or should assumptions underlying the forward looking statements prove incorrect, actual results may vary materially from those described herein as intended, planned, anticipated, or expected. We do not intend and do not assume any obligation to update these forward-looking statements, except as required by law. Shareholders are cautioned not to put undue reliance on such forward-looking statements.*



## Appendix One

### Complete Assay Results, 2022 Drill Program Arctic Fox Zone.

Drill Hole	From (m)	To (m)	Interval (m)	Au (g/t)	Zone	Press Release
PB-22-333	419.6	422.6	3.0	1.13	Arctic Fox - North	Reported 5-Jul-22
PB-22-339	340.0	354.0	14.0	2.94	Arctic Fox - North	Current PR
including	341.0	349.9	8.9	4.01	Arctic Fox - North	Current PR
including	346.0	348.0	2.0	9.79	Arctic Fox - North	Current PR
PB-22-345	65.6	67.5	1.9	0.92	Arctic Fox - South	Reported 5-Jul-22
PB-22-346	34.5	52.5	18.0	1.22	Arctic Fox - South	Reported 5-Jul-22
including	36.0	41.0	5.0	2.26	Arctic Fox - South	Reported 5-Jul-22
PB-22-347	18.7	23.6	4.9	2.87	Arctic Fox - South	Reported 5-Jul-22
including	21.8	22.8	1.0	6.48	Arctic Fox - South	Reported 5-Jul-22
and	32.7	43.5	10.8	0.30	Arctic Fox - South	Reported 5-Jul-22
PB-22-349	9.3	25.3	16.0	2.75	Arctic Fox - South	Reported 5-Jul-22
including	9.3	12.0	2.7	5.11	Arctic Fox - South	Reported 5-Jul-22
and including	20.0	25.3	5.3	5.00	Arctic Fox - South	Reported 5-Jul-22
and	41.0	54.0	13.0	1.18	Arctic Fox - South	Reported 5-Jul-22
including	53.0	54.0	1.0	8.20	Arctic Fox - South	Reported 5-Jul-22
PB-22-350	9.0	10.0	1.0	6.41	Arctic Fox - South	Reported 5-Jul-22
and	40.0	43.0	3.0	0.75	Arctic Fox - South	Reported 5-Jul-22
PB-22-351	12.3	17.0	4.7	1.75	Arctic Fox - North	Reported 20-Jul-22
including	13.0	14.0	1.0	7.30	Arctic Fox - North	Reported 20-Jul-22
and	68.0	79.0	11.0	4.57	Arctic Fox - South	Reported 5-Jul-22
including	72.0	78.0	6.0	7.88	Arctic Fox - South	Reported 5-Jul-22
and	108.0	112.0	4.0	0.85	Arctic Fox - South	Reported 5-Jul-22
PB-22-353	116.9	118.0	1.1	2.79	Arctic Fox - South	Reported 5-Jul-22
including	116.9	117.5	0.6	4.72	Arctic Fox - South	Reported 5-Jul-22
PB-22-356	117.0	133.0	16.0	1.24	Arctic Fox - South	Reported 5-Jul-22
including	117.0	127.5	10.5	1.73	Arctic Fox - South	Reported 5-Jul-22
PB-22-358	42.7	55.1	12.4	1.99	Arctic Fox - South	Current PR
including	49.8	55.1	5.3	3.11	Arctic Fox - South	Current PR
and	69.2	70.1	0.9	0.97	Arctic Fox - South	Current PR
PB-22-360	83.0	84.0	1.0	5.29	Arctic Fox North	Reported 20-Jul-22
and	180.0	190.0	10.0	5.96	Arctic Fox South	Current PR
including	181.5	182.0	0.5	11.20	Arctic Fox South	Current PR
including	182.5	183.0	0.5	12.90	Arctic Fox South	Current PR
PB-22-363	108.0	109.0	1.0	0.80	Arctic Fox - North	Current PR

and	125.0	127.0	2.0	0.51	Arctic Fox - North	Current PR
and	208.0	210.2	2.2	0.97	Arctic Fox - North	Current PR
PB-22-367A	38.5	58.2	19.7	1.00	Arctic Fox - North	Reported 20-Jul-22
including	39.6	45.2	5.6	1.80	Arctic Fox - North	Reported 20-Jul-22
including	51.3	55.0	3.7	1.75	Arctic Fox - North	Reported 20-Jul-22
and	107.6	109.6	2.0	0.57	Arctic Fox - South	Reported 5-Jul-22
and	167.0	170.5	3.5	1.09	Arctic Fox - South	Reported 5-Jul-22
PB-22-369	13.6	14.8	1.2	0.40	Arctic Fox South	Current PR
PB-22-373	15.3	18.1	2.8	0.66	Arctic Fox - South	Current PR
and	62.5	70.5	8.0	0.54	Arctic Fox - South	Current PR
including	65.0	65.7	0.7	2.77	Arctic Fox - South	Current PR
PB-22-385	92.3	118.0	25.7	2.22	Arctic Fox North	Reported 20-Jul-22
including	92.3	98.0	5.7	6.02	Arctic Fox North	Reported 20-Jul-22
and including	108.0	111.0	3.0	3.24	Arctic Fox North	Reported 20-Jul-22
PB-22-387	113.0	114.0	1.0	0.93	Arctic Fox - North	Reported 20-Jul-22
and	128.0	135.0	7.0	0.78	Arctic Fox - North	Reported 20-Jul-22
PB-22-390	101.0	120.0	19.0	1.18	Arctic Fox - North	Current PR
including	104.0	106.0	2.0	2.63	Arctic Fox - North	Current PR
including	111.0	114.0	3.0	2.41	Arctic Fox - North	Current PR
including	119.0	120.0	1.0	3.26	Arctic Fox - North	Current PR
PB-22-394A	130.0	146.9	16.9	1.49	Arctic Fox - North	Reported 20-Jul-22
including	132.0	135.3	3.3	3.89	Arctic Fox - North	Reported 20-Jul-22
PB-22-397	96.0	119.3	23.3	1.11	Arctic Fox - North	Reported 20-Jul-22
including	111.3	119.3	8.0	2.28	Arctic Fox - North	Reported 20-Jul-22
PB-22-398	53.0	56.0	3.0	1.64	Arctic Fox North	Current PR
and	87.7	95.0	7.3	0.63	Arctic Fox North	Current PR
PB-22-400	86.4	107.0	20.6	1.63	Arctic Fox - North	Current PR
including	86.4	94.0	7.6	3.61	Arctic Fox - North	Current PR
and	116.0	125.5	9.5	1.26	Arctic Fox - North	Current PR
PB-22-403	138.6	146.8	8.2	0.68	Arctic Fox - North	Reported 20-Jul-22
including	141.5	143.4	1.9	1.21	Arctic Fox - North	Reported 20-Jul-22
and	170.9	171.4	0.5	2.08	Arctic Fox - North	Reported 20-Jul-22
and	177.3	179.8	2.5	0.62	Arctic Fox - North	Reported 20-Jul-22
PB-22-404	96.2	103.6	7.4	0.70	Arctic Fox - North	Current PR
including	97.0	98.8	1.8	1.81	Arctic Fox - North	Current PR
PB-22-406	89.0	94.0	5.0	1.05	Arctic Fox - North	Current PR
PB-22-407	16.9	17.6	0.7	0.65	Arctic Fox - North	Current PR
and	66.0	86.0	20.0	1.03	Arctic Fox - North	Current PR
including	66.0	67.0	1.0	2.00	Arctic Fox - North	Current PR
including	78.0	80.0	2.0	3.40	Arctic Fox - North	Current PR

and	100.0	101.0	1.0	0.54	Arctic Fox - North	Current PR
PB-22-409	17.0	35.5	18.5	0.57	Arctic Fox - North	Current PR
including	21.5	22.0	0.5	2.72	Arctic Fox - North	Current PR
including	34.4	35.5	1.1	4.43	Arctic Fox - North	Current PR
PB-22-411	12.5	17.5	5.0	1.39	Arctic Fox - North	Current PR
including	15.5	16.5	1.0	4.00	Arctic Fox - North	Current PR
and	36.3	40.5	4.2	2.44	Arctic Fox - North	Current PR
including	36.3	37.5	1.2	4.00	Arctic Fox - North	Current PR
PB-22-412	35.0	57.3	22.3	0.61	Arctic Fox - North	Current PR
including	35.0	36.0	1.0	2.13	Arctic Fox - North	Current PR
including	46.0	47.0	1.0	3.08	Arctic Fox - North	Current PR
including	56.0	56.6	0.6	5.22	Arctic Fox - North	Current PR
PB-22-413	19.4	22.5	3.1	0.89	Arctic Fox - North	Current PR
and	30.0	37.0	7.0	0.43	Arctic Fox - North	Current PR
and	46.0	47.0	1.0	0.63	Arctic Fox - North	Current PR

Note: drill results are presented uncapped; lengths represent core lengths.

Core Drill Hole Data, 2022 Program, Arctic Fox Zone.

Hole_ID	Easting NAD83ZN17	Northing NAD83ZN17	Elevation Metres	Azimuth Degrees	Dip Degrees	Final Depth Metres
PB-22-333	528426	5481230	381	210	55	501.6
PB-22-339	528306	5481188	382	207	54	399.0
PB-22-345	528002	5480922	380	210	55	135.0
PB-22-346	527996	5480887	382	210	50	108.0
PB-22-347	528042	5480816	380	210	48	66.0
PB-22-349	528083	5480792	380	210	50	81.0
PB-22-350	528145	5480752	378	210	51	66.0
PB-22-351	528161	5480846	378	210	52	144.0
PB-22-353	528108	5480921	380	210	55	153.0
PB-22-356	528084	5480966	381	210	62	177.0
PB-22-358	528036	5480872	381	210	50	132.0
PB-22-360	528169	5481025	381	210	52	240.0
PB-22-363	528323	5480971	380	210	54	270.0
PB-22-367	528228	5480881	380	210	60	15.0
PB-22-369	528211	5480772	380	210.0	42	120.0
PB-22-373	528210	5480772	379	210.0	70	150.0
PB-22-385	528544	5480797	378.1	210	55	167.7
PB-22-387	528513	5480823	374.9	210	80	180.0
PB-22-390	528513	5480823	375.8	210	56	159.0
PB-22-394A	528488	5480866	377.2	210.0	62.0	177.0



PB-22-397	528439	5480860	377.2	210.0	61.0	144.0
PB-22-398	528338	5480840	379.0	210	50	99.0
PB-22-400	528368	5480892	380.1	210.0	55.0	150.0
PB-22-403	528435	5480928	380.1	210.0	58.0	195.0
PB-22-404	528392	5480854	380.1	210.0	60.0	138.0
PB-22-406	528315	5480872	381.9	210.0	80.0	129.0
PB-22-407	528309	5480874	379.9	210.0	55.0	117.0
PB-22-409	528387	5480764	378.4	210.0	50.0	78.0
PB-22-411	528346	5480778	377.1	210.0	45.0	75.0
PB-22-412	528540	5480707	375.0	210.0	60.0	90.0
PB-22-413	528600	5480658	373.8	210.0	58.0	60.0

*Drill hole collar coordinates in NAD 83 UTM Zone 17*