

# Triumph Gold Reports Results from Diamond Drilling of the Nucleus Au-Ag-Cu Deposit, Freegold Mountain Property, Yukon

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VANCOUVER, Jan. 18, 2018 /CNW/ - [Triumph Gold Corp.](#), (TSX-V: TIG) (OTCMKTS: TIGCF) ("Triumph Gold" or the "Company") is pleased to announce the results from 4,685 meters of diamond drilling in sixteen holes targeting the Nucleus Au-Ag-Cu area on the Freegold Mountain Property, Yukon Territory. Highlights from the drill campaign include:

- Three high-grade gold intersections:
  - 18.5 grams/tonne (g/t) Au over 1.5 metres in N17-02 (174.50 &ndash; 176.00m)
  - 11.35 g/t Au and 7.3 g/t Ag over 1.44 metres in N17-07 (132.46 &ndash; 133.90m)
  - 10.2 g/t Au over 1.1 metres in N17-12 (111.00 &ndash; 112.10m)
- Six infill drill holes tested underexplored portions of the Nucleus resource area where there are significant gaps in the resource block-model. Each intersected zones of gold mineralization with grades that exceed the deposit average (0.3 g/t AuEq\* cutoff), including:
  - 21.9 metres of 1.545 g/t Au in N17-02 (173.1 &ndash; 195.00m)
  - 42.14 metres of 0.799 g/t Au and 0.137% Cu in N17-03 (47.86 &ndash; 90.00m)
  - 11.14 metres of 2.696 g/t Au in N17-07 (126.86 &ndash; 138.00m)
  - 17.73 metres of 1.797 g/t Au in N17-12 (99.00 &ndash; 116.73m)
  - 30.00 metres of 0.701 g/t Au also in N17-12 (212.00 &ndash; 242.00m)
- Five step-out drill holes that tested for extensions of Nucleus mineralization to the north, south and east of the current resource area intersected zones of gold mineralization that exceed the 0.3 g/t AuEq\* cutoff grade of the deposit in:
  - 12.00 metres of 1.005 g/t Au in N17-01 (165.00-177.00m)
  - 29.20 metres of 0.485 g/t Au and 0.185% Cu in N17-06A (66.80 &ndash; 96.00m)
- N17-10, which tested a previously undrilled 1.0 X 0.7 kilometre chargeability anomaly that lies north of the current resource, bottomed in mineralization:
  - 21.53 metres of 0.513 g/t Au (453.00 &ndash; 474.53m) including 9.53 metres of 1.089 g/t Au (465.00 &ndash; 474.53m).

Drill hole locations and orientations are listed in Table 1 below and illustrated on Figure 1. Highlights of the drill program above are in Table 2 along with a full list of significant results.

Table 1 Location and Orientation of 2017 Diamond Drill Holes Testing the Nucleus Area

Hole #	Easting**	Northing**	Azimuth	Inclination	Depth (m)
N17-01	379462	6913291	000	-50	283.46
N17-02	379249	6913635	000	-50	260.60
N17-03	379250	6913786	000	-50	260.28
N17-04	379467	6913449	000	-50	260.60
N17-05	379254	6913463	000	-50	279.2
N17-06A	379600	6913583	000	-50	97.54
N17-06B	379600	6913583	000	-50	419.08
N17-07	379249	6913954	000	-46	259.08
N17-08	379251	6914125	000	-50	272.49
N17-09	379664	6913659	270	-50	260.6
N17-10	379181	6914374	000	-60	474.53
N17-11	379671	6913658	45	-50	269.75
N17-12	379253	6913284	000	-50	260.6
N17-13	379255	6913119	000	-50	275.84
N17-14	379488	6914351	000	-60	490.73
N17-15	379981	6914654	180	-50	260.6

Table 2 Significant Results from 2017 Drilling at Nucleus

Hole ID	From metres	To metres	Interval*** metres	Au g/t	Ag g/t	Cu %
Infill Drilling						
N17-02	46.12	57.91	11.79	1.086	0.10	0.016
N17-02	173.10	195.00	21.90	1.545	1.00	0.099
Including	174.50	176.00	1.50	18.500	1.30	0.164
N17-03	47.86	90.00	42.14	0.799	1.30	0.137
N17-03	155.65	169.00	13.35	0.731	1.30	0.079
N17-04	52.00	75.00	23.00	0.670	0.70	0.057
N17-05	188.00	206.30	18.30	0.820	0.80	0.080
N17-07	126.86	138.00	11.14	2.696	2.70	0.077
Including	132.46	133.90	1.44	11.350	7.30	0.200
N17-12	99.00	116.73	17.73	1.797	2.10	0.046
Including	111.00	112.10	1.10	10.200	0.70	0.030
N17-12	212.00	242.00	30.00	0.701	1.00	0.059
Step Out / Extension Drilling						
N17-01	24.38	39.00	14.62	0.969	1.70	0.046
N17-01	165.00	177.00	12.00	1.005	0.60	0.045
N17-06A	42.00	51.00	9.00	0.781	6.50	0.323
N17-06A	66.80	96.00	29.20	0.485	2.00	0.185
N17-06 B no significant assay results						
N17-08	95.50	109.00	13.50	0.606	2.90	0.070
N17-09	38.00	59.50	21.50	0.159	1.90	0.208
N17-11 no significant assay results						
N17-13	157.50	207.00	49.50	0.381	0.80	0.048
Drilling of Reconnaissance Exploration Targets						
N17-10	453.00	474.53	21.53	0.567	0.50	0.022
Including	465.00	474.53	9.53	1.089	0.40	0.017
N17-14 no significant assay results						
N17-15 no significant assay results						

The Nucleus Au-Ag-Cu deposit is the most advanced exploration target on the Freegold Mountain property. It consists of polyphase quartz-chalcopyrite-pyrite-arsenopyrite veins, infill breccia and semi- to massive-sulfide lenses. It has a current indicated resource of 74,740,000 tonnes containing 1,310,000 ounces (ozs) Au, 2,180,000 ozs silver, and 105,340,000 lbs copper and an inferred resource of 63,790,000 tonnes containing 800,000 ozs gold, 3,150,000 ozs silver and 69,160,000 lbs copper both at a 0.30 g/t AuEq\* cut-off grade (December 15, 2014).

The 2017 drill campaign at Nucleus included 4,685 meters of diamond drilling in sixteen holes. There were three components:

1. Six drill holes totalling 1,580 metres were drilled within the outline of the resources, but in areas with the lowest hole density, to test the resource, as well as infill prominent gaps in the block model; each of these drill holes intersect mineralization that exceeds the average grade of the deposit, indicating an opportunity to both grow, and improve the resource with infill drilling.
2. Nine drill holes totalling 1,879 metres comprised stepouts from the current resource, designed to test for extension mineralized structures to the north, south and east of the current resource shell. Five of the seven holes intersect mineralization that exceeds the cutoff grade of the current resource (0.3 g/t AuEq\*). This affirms the potential to grow the resource through stepout drilling.
3. Three drill holes totaling 1,226 metres tested sizable buried chargeability anomalies with coincident Au-As in soil that lie north of the Nucleus deposit. The most significant results are from drill hole N17-10 which bottomed in mineralization with the lowermost sample grading 2.09 g/t Au over 1.53 metres, within a 21.53 metre interval grading 0.567 g/t Au. Each of the three drill holes intersected strongly phyllic altered microgranite with a high proportion of pyrite, arsenopyrite, disseminated and in stockwork veins. The style of alteration, mineralization and veining suggests a genetic relationship to the porphyry-related mineralization identified approximately 1 km to the east in the Keirsten Zone and farther east in the Revenue and the Blue Sky zone (PR-17-13 dated Nov. 2, 2017), demonstrating the effect of the Revenue porphyry over a strike-length of 4.36 km

Six Infill and extension drill holes partly distributed along three north-oriented fences (a western and eastern fence) tested the under-explored southern portion of the Nucleus area. They defined continuity of four west striking and steeply south dipping gold-bearing structures over an up to 350 metre strike-length (Table 3). The structures are open to the west, to depth, and to the east. In each case these discrete structures contain gold mineralization related to zones of faulting, alteration and quartz-feldspar-porphyry dyke emplacement. The now well-defined structures lie south of the main Nucleus resource and most of the noted intersections are either outside or within gaps in the current resource.

Table 3 List of Intersections\*\*\* that Define Continuity of Mineralized Structures on Nucleus South

	<=== Farthest West	Section Location			Farthest East
Structure West	West Fence (2017)	Central	East Fence (2017)	East	
A	14.40m of 1.859 g/t Au	18.30m of 0.820 g/t Au	31.85m of 0.560 g/t Au	7.59m of 0.659 g/t Au	9.00m of 0.781 g/t Au
	GRD12-178	N17-05	GRD09-149	GRD09-136	N17-06A
	227.15 - 241.55m	188.00 - 206.30m	205.62 - 237.47m	62.94 - 70.53m	42.00-51.00m
B	39.51m of 1.079 g/t Au	30.00m of 0.701 g/t Au	12.84m of 0.805 g/t Au	23.00m of 0.670 g/t Au	Open
	GRD10-168	N17-12	GRD09-149	N17-04	
	252.00 - 291.51m	212.00 - 242.00m	81.65 - 94.49m	52.00 - 75.00m	
C	14.94m of 0.416 g/t Au	17.73m of 1.797 g/t Au	11.15m of 0.599 g/t Au	12.00m of 1.005 g/t Au	43.70m of 0.544 g/t Au
	GRD10-168	N17-12	GRD09-154	N17-01	GRD09-152
	122.00 - 136.94m	99.00 - 116.73m	229.85 - 241.00m	165.00 - 177.00m	6.00 - 49.70m
D	13.00m of 0.449 g/t Au	49.50m of 0.381 g/t Au	22.00m of 0.319 g/t Au	14.62m of 0.969 g/t Au	Open
	GRD12-179	N17-13	GRD09-154	N17-01	
	2.00 - 15.00m	157.50 - 207.00m	78.30 - 100.30m	24.38 - 39.00m	

President's Comment:

Paul Reynolds, [Triumph Gold Corp.](http://www.triumphgoldcorp.com)'s President and CEO, comments: "Drilling at Nucleus in 2017 established the potential for increasing the size and grade of the Nucleus resource through infill and step out drilling. Every hole that was drilled within the resource shell intersected broad zones of gold mineralization with grades that exceed the deposit average. In addition, six new drill holes in the underexplored southern portion of the resource demonstrated remarkable continuity of previously poorly understood gold-bearing structures, which we now feel confident and excited, to drill in broad step outs beyond the current resource shell."

<http://www.triumphgoldcorp.com/projects/freegold-mountain/revenue-deposit/maps/>

Notes:

\* Gold Equivalent [AuEq] is used for illustrative purposes, to express the combined value of gold, silver and copper as a percentage of gold. No allowances have been made for recovery losses that would occur in a mining scenario. AuEq is calculated on the basis of US\$2.90 per pound of copper, US\$1,250 per troy ounce of gold and US\$22.00 per troy ounce of silver. The values used reflect the commodity prices at the effective date of the NI 43-101 resource (Dec 15, 2014).

\*\* Coordinates are given in North American Datum 83 (NAD83), Zone 8.

\*\*\* Length/interval refer to drill hole intercept. True widths have not been determined.

## Methods and Qualified Person

Drill core samples ranged between 1 and 2 meters length and were cut at Triumph's core logging facility on the Freegold Mountain Property. The samples were analyzed by ALS Global of North Vancouver, British Columbia. They were prepared for analysis according to ALS method PREP35: each sample was crushed to 70% passing 2mm and a 250g split was pulverized to better than 95% passing 106 micron mesh. Gold was tested by fire assay with atomic absorption finish on a 30g nominal sample (method Au-AA23), and samples that tested over 10 g/t Au were retested using fire assay with a gravimetric finish (method Au-GRA21). An additional 35 elements were tested by ICP-AES using an Aqua Regia digestion (method ME-ICP41), over limit samples for copper were retested using the same technique but with assay grade Aqua Regia digestion and a higher range of detection (method ME-OG46). Quality assurance and control (QAQC) is maintained at the lab through rigorous use of internal standards, blanks and duplicates. An additional QAQC program was administered by Triumph Gold: at minimum one in ten samples submitted by Triumph Gold was a blank or certified reference standard. QAQC samples that returned unacceptable values triggered investigations into the results and reanalyses of the samples that were tested in the batch with the failed QAQC sample. Where contamination or analytical error were suspected the original data were discarded and superseded by the results of the reanalyses.

The technical content of this news release has been reviewed and approved by Tony Barresi, Ph.D., P.Geol., VP Exploration for the company, and qualified person as defined by National Instrument 43-101.

## About Triumph Gold Corp.

### Contact

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Signed "Paul Reynolds"

Paul Reynolds, President & CEO

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