

Trillium Gold Identifies Major Mineralizing System at the Newman Todd Complex

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New structural and mineralization interpretation shows much larger and more integrated gold system than previously co

VANCOUVER, Sept. 8, 2021 - [Trillium Gold Mines Inc.](#) (TSXV: TGM) (OTCQX: TGLDF) (FRA:0702) ("Trillium Gold" or "Company") reports that the majority of assays from drilling completed up to mid-July have been received with assay results taking well over two months. Samples representing 6,708 metres in 15 drillholes (NT21-185 to 193 and RV21-31 to 36; 100 assays) have been processed and summarized below. Results remain pending for only three Newman Todd and Rivard drill holes. Assays at Gold Centre remain pending. The total 2021 drilling program now stands at 12,385 metres in 26 drillholes on the combined Newman Todd and Rivard Projects. It is now clear that gold mineralization in the Newman Todd Complex is more widespread than historically interpreted, and the mineralizing system is considerably larger and more integrated than previously contemplated.

Latest Drilling highlights:

Newman Todd

NT21-185: 17.6m @ 1.35 g/t Au
13.2m @ 1.24 g/t Au incl. 0.5m @ 20.5 g/t Au

NT21-187: 6.97m @ 7.5 g/t Au incl. 1m @ 45.9 g/t Au
4.75m @ 4.95 g/t Au incl. 0.65m @ 33.88 g/t Au and 0.35m @ 54.7 g/t Au
6.2m @ 5.4 g/t Au incl. 0.3m @ 61.9 g/t Au

NT21-188: 52.3m @ 1.07 g/t Au incl. 0.7m @ 11.5 g/t Au

NT21-190: 3.3m @ 8.06 g/t Au incl. 0.4m @ 61.9 g/t Au

NT21-192: 21.3m @ 3.55 g/t Au incl. 4.3m @ 13.8 g/t Au (includes 1m @ 35.15 g/t Au)

Rivard

RV21-31: 0.3m @ 28.0 g/t Au

RV21-32: 0.3m @ 15.9 g/t Au

RV21-33: 0.7m @ 54.49 g/t Au incl. 0.4m @ 95.3 g/t Au

RV21-34: 2.2m @ 25.23 g/t Au incl. 0.3m @ 116 g/t Au and 0.3m @ 67.7 g/t Au

Historically, the Rivard and Newman Todd properties were explored in isolation and were not systematically drilled for a structural understanding. The Rivard property (which Trillium Gold acquired late in 2020) has allowed Trillium to substantially advance the understanding of the structure, geology and mineralization of the larger Newman Todd complex with significant up-side potential now being seen both in terms of ounces and higher grades.

Figure 1 shows an updated structural and lithological interpretation of the property with higher-grade composite intervals and priority exploration areas. The most significant drilling intercepts are encapsulated in Table 1 on page 5 of this press release.

Russell Starr, President and CEO of Trillium Gold commented, "This represents a major break-through in our interpreta

structural controls governing mineralization at Newman Todd. We believe with further drilling we will delineate a much larger and higher-grade resource from the Newman Todd complex than was previously thought possible. With this new understanding, the Newman Todd area is much more gold-endowed and the mineralizing system much larger and more integrated than previous operators had envisioned, further exploration will be focused on several high priority targets."

William Paterson, Trillium Gold's VP of Exploration and former Exploration Superintendent for Goldcorp's Red Lake Gold Project, added, "Trillium's geologists have made huge strides in understanding the gold system at Newman Todd. It should now be possible to more precisely model coherent high-grade portions of the mineralization and effectively target other structurally controlled high-grade repetitions throughout the length of the Newman Todd Zone (NT Zone). Defining the framework controlling the high-grade gold mineralization, to being able to look at the larger property package holistically, has shown that this area is more endowed with gold than previously maintained. With greatly enhanced prospectivity, the complex has many more high priority exploration targets, and we see this as significant upside for the global resource."

Detailed targeted drilling (NT21-185 to -189) was completed in the Hinge Zone area of the NT Zone and was designed to improve the understanding of the structural controls of the high-grade intercepts seen throughout the drilling programs (Figure 2). This combined with concurrent detailed studies elsewhere on the NT Zone has yielded a much clearer picture of the continuity of the higher-grade intercepts and potentially a significant increase in the higher-grade portion of the resource. This detailed work has also shown that the NT Zone is not a single brecciated body, but is in fact a succession of brecciated units, with some significant units dislocated by a series of east-west structures. Between the breccia units, felsic volcanic rocks have been observed in outcrop, indicating potentially considerable strain related deformation in the NT Zone, and by inference, across the property. It is clear that while the Hinge Zone Fault is a major and readily identifiable structure, others are more subtle and require careful geological observation to identify.

As anticipated, a number of significant high-grade intercepts were obtained as well as wide (up to 52m core length) zones of gold mineralization and visible gold.

Other drilling in the NT Zone focused on following up on the major intercept in NT20-169 (7.05m @ 15.41 g/t Au). This drilling targeted the high-grade result from multiple orientations in order to expand the zone. These holes (NT21-190 to 193) also obtained wide intercepts of significant grade including 3.3m @ 8.06 g/t Au and 21.3m @ 3.55 g/t Au including 4.3m @ 13.8 g/t Au, and narrower intercepts of 0.4m @ 61.9 g/t Au and 1.0m @ 35.15 g/t Au. These holes both confirmed and expanded on the major intercept in NT20-169.

Further drilling at the southwest extension of the NT Zone has only just begun with a significant result in a quartz vein containing visible gold of 0.3m @ 67.0 g/t Au obtained from RV21-35. Analysis of the recent high-definition helicopter-borne magnetic surveys over the property suggests that there is a roughly north-south dislocation of the NT Zone with the west side moved northward, thereby creating the second NT Zone feature intersected in the drilling.

Drilling on the Rivard property (RV21-31 to 34) focused on proving the lateral and depth continuity of gold mineralization in the southeast-trending high-grade veins, historically trenched on surface, and confirmed and expanded on historical drilling. While the numerous high-grade veins cannot be individually modelled, it has been determined that there are discrete corridors where the vein densities are greater, which generally correspond to the major excavations on surface. Recent results from these holes include narrow intercepts ranging up to 116.0 g/t Au with RV21-34 containing a wider zone of 2.2m @ 25.23 g/t Au. There were many logged occurrences of visible gold in these holes. Gold mineralization has been obtained in these corridors over a roughly 300m of strike length and down to approximately 300m below surface.

Further analysis of all results on the Rivard property also shows that the NNE-trending unconformity, with the ultramafic porphyry rocks to the west, also plays a role in focusing gold mineralization with a large number of significant results in the proximity to this unconformity.

With the new understanding that the Newman Todd area is much more gold-endowed and the mineralizing system much more integrated than previous operators had envisioned, further exploration will be focused on several high priority targets (see Figure 1 for locations) based on results, observations, and modeling to date, namely:

A. Drilling in the NT Zone to locate and expand high-grade mineralization controlled by the east-west structures and confirm the Rivard-style gold veins thereby expanding and enhancing the current resource.

B. Drilling in the southwest extension area to test mineralization related to the east-west structures, the north-trending corridor structure and the vein corridors trending from the northwest on the Rivard property.

C. Drilling to test along the NNE-trending unconformity on Rivard targeting the vein corridor and east-west structural intersections, including the western extension of the Hinge Zone Fault where it has created a jog in the unconformity.

D. Grassroots exploration and drilling east of the NT Zone to test the ultramafic contact where the east extension of the Hinge Zone Fault and other east-west structures intersect it.

Table 1: Abbreviated listing of significant drilling intercepts.

| Hole ID | From (m) | To (m) | Width (m) | Au (g/t) |
|----------|--------------|--------|-----------|----------|
| NT21-185 | 11 | 28.6 | 17.6 | 1.35 |
| NT21-185 | 213 | 217.9 | 4.9 | 3.47 |
| | incl. 217 | 217.9 | 0.9 | 15.70 |
| NT21-185 | 267.8 | 281 | 13.2 | 1.24 |
| | incl. 81.3 | 81.8 | 0.5 | 20.50 |
| NT21-186 | 257 | 264.8 | 7.8 | 2.33 |
| NT21-186 | 284 | 288.9 | 4.9 | 2.28 |
| | incl. 284.6 | 286.5 | 0.6 | 7.15 |
| NT21-187 | 19.5 | 26.47 | 6.97 | 7.50 |
| | incl. 22 | 26.47 | 4.47 | 11.55 |
| | and 22 | 23 | 1 | 45.90 |
| NT21-187 | 273.75 | 278.5 | 4.75 | 4.95 |
| | incl. 273.75 | 274.4 | 0.65 | 33.88 |
| | and 273.75 | 274.1 | 0.35 | 54.70 |
| NT21-187 | 284.4 | 290.6 | 6.2 | 5.40 |
| | incl. 287.7 | 288 | 0.3 | 61.90 |
| | incl. 288.8 | 289.4 | 0.6 | 15.50 |
| | incl. 341 | 341.3 | 0.3 | 19.40 |
| NT21-188 | 125.36 | 135.75 | 10.39 | 1.41 |
| | incl. 126.3 | 127.7 | 1.4 | 6.72 |
| | and 126.6 | 126.9 | 0.3 | 24.70 |
| NT21-188 | 348 | 401.3 | 52.3 | 1.07 |
| | incl. 380 | 390.25 | 10.25 | 2.15 |
| | and 386.5 | 387.2 | 0.7 | 11.50 |
| NT21-188 | 471 | 477 | 6 | 1.29 |

| | | | | |
|----------|-------------|--------|------|-------|
| | incl. 474 | 474.35 | 0.35 | 15.60 |
| NT21-189 | 448 | 463 | 15 | 1.92 |
| | incl. 451.3 | 454 | 2.7 | 5.05 |
| | incl. 459.8 | 462.5 | 2.7 | 4.45 |
| NT21-190 | 19 | 32 | 13 | 1.79 |
| | incl. 31 | 32 | 1 | 15.00 |
| NT21-190 | 397 | 400 | 3 | 4.23 |
| | 399.5 | 400 | 0.5 | 13.10 |
| NT21-190 | 482 | 485.3 | 3.3 | 8.06 |
| | incl. 483.6 | 484 | 0.4 | 61.90 |
| NT21-192 | 207.5 | 228.8 | 21.3 | 3.55 |
| | incl. 211.4 | 211.75 | 0.35 | 20.50 |
| | incl. 214.7 | 219 | 4.3 | 13.80 |
| | and 217 | 218 | 1 | 35.15 |
| RV21-31 | 425 | 427 | 2 | 5.90 |
| | incl. 425 | 426 | 1 | 11.70 |
| RV21-31 | 471.5 | 471.8 | 0.3 | 28.00 |
| RV21-32 | 141 | 141.3 | 0.3 | 13.30 |
| RV21-32 | 315.4 | 316.2 | 0.8 | 11.50 |
| RV21-32 | 342.5 | 342.8 | 0.3 | 15.90 |
| RV21-32 | 438.6 | 438.9 | 0.3 | 10.10 |
| RV21-33 | 165 | 165.7 | 0.7 | 54.49 |
| | incl. 165.3 | 165.7 | 0.4 | 95.30 |
| RV21-33 | 261.7 | 262 | 0.3 | 13.30 |
| RV21-34 | 239.4 | 240 | 0.6 | 14.60 |
| RV21-34 | 382.3 | 384.5 | 2.2 | 25.23 |

Note: Bolded entries contain visible gold logged in core.

incl. 382.6 382.9 0.3 116.00

For a complete listing of all significant intercepts from these holes, drillhole sections and more diagrams of results please visit the **Triumph Gold** website www.triumphgold.com and the following links:
https://mma.prnewswire.com/media/1610463/Significant_Intervals.pdf
https://mma.prnewswire.com/media/1610467/Drillhole_sections.pdf

Table 2: Drill collar location, azimuth and dip for drill holes included in this news release - UTM zone 15, NAD 83.

| Hole ID | Easting | Northing | Elev (m) | Length (m) | Dip | Az |
|------------|------------------|----------|----------|------------|-----|-------|
| NT21-185 | 4208625656540364 | | 406.5 | | -45 | 195.5 |
| NT21-186 | 4208625656540364 | | 374 | | -45 | 209.9 |
| NT21-187 | 4208615656539364 | | 356 | | -45 | 222 |
| NT21-188 | 4208615656539364 | | 611 | | -45 | 232 |
| NT21-189 | 4208635656540364 | | 629 | | -50 | 226 |
| NT21-190 | 4208065656563363 | | 770 | | -63 | 180 |
| * NT21-191 | 4208065656563363 | | 17 | | -70 | 135 |
| NT21-192 | 4206955656528366 | | 395 | | -53 | 100 |
| NT21-193 | 4207195656526370 | | 524 | | -52 | 130 |
| RV21-31 | 4196855656176402 | | 494 | | -45 | 227 |
| RV21-32 | 4197665656284400 | | 470 | | -45 | 230 |
| RV21-33 | 4197335656029400 | | 428 | | -45 | 230 |
| RV21-34 | 4197015656064399 | | 554 | | -45 | 230 |
| RV21-35 | 4199345655926391 | | 659 | | -61 | 135 |
| * RV21-36 | 4200255655958384 | | 20.65 | | -62 | 135 |

* Note: Drillholes NT21-191 and RV21-36 were stopped before reaching any significant depth.

Gold Centre Update

Trillium has resumed exploration at Gold Centre and is currently drilling the third of eight planned holes (~8,000 metres). All assay results remain pending from drilling completed to date.

All drilling was supervised by Paul Barc, PGeo. The drilling was conducted by Rodren Drilling Ltd., of West St. Paul, Manitoba. Drill core was logged and sampled in a secure core facility on site. Core samples from the program were cut in half, using a diamond cutting saw, and half cores were sent for analysis to the SGS Laboratory in Burnaby, BC and Activation Laboratories Ltd. in Dryden and Thunder Bay, ON, all accredited mineral analysis laboratories. All samples were analysed for gold using standard Fire Assay-AA techniques. Samples returning over 10.0 g/t gold were analyzed utilizing standard Fire Assay-Gravimetric methods. Any samples with results greater than one ounce per ton gold were also analyzed with a standard 1 kg metallic screen fire assay. Certified gold reference standards, blanks and duplicates are routinely inserted into the sample stream, as part of Trillium Gold's quality control/quality assurance program (QAQC) to monitor accuracy and precision. No QAQC issues were noted with the results reported herein. All drill intercepts reported are down-hole core lengths, which do not necessarily represent true widths.

The technical information presented in this news release has been reviewed and approved by William Paterson QP, PGeo, VP of Exploration of Trillium Gold Mines., as defined by NI 43-101.

Visit our website at www.trilliumgold.com.

On behalf of the Board of Directors,

Trillium Gold Mines Inc.

Russell Starr

President, CEO and Director

About Trillium Gold Mines Inc.

[Trillium Gold Mines Inc.](#) is a growth focused company engaged in the business of acquisition, exploration and development of mineral properties located in the Red Lake Mining District of Northern Ontario. As part of its regional-scale consolidation strategy, the Company has assembled the largest prospective land package in and around the Red Lake mining district in proximity to major mines and deposits, as well as the Confederation Lake and Birch-Uchi greenstone belts. Recent examples are the acquisition of the Willis property southwest of and contiguous to the Newman Todd complex, and a non-binding LOI giving the Company control over a significant portion of the Confederation Lake Greenstone Belt to more than 100 km in length. In addition, the Company has interests in highly prospective properties in Larder Lake, Ontario and the Matagami and Chibougamou areas of Quebec.

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