

Report on the Investigations into a Newly Discovered Gold Occurrence at Warwick Mountain in the Cobequid Highlands, Nova Scotia

Closure 11E/11B (tracts 101-106) and 11E/11C (tracts 7-10)

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Natural Resources

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Introduction

During the summer of 2011 a field program investigating the mineral potential of the Cobequid Highlands was undertaken. As part of this study a small sample of disaggregated bedrock collected at station 11TM0104 (Fig. 1) was sieved and panned to determine if the sample contained visible gold. A visual inspection under the microscope revealed gold grains. Several <500 micron gold grains were recovered from this narrow zone of disaggregated portions of the silicified and sulphidized rock. No existing claims were in effect at this new gold occurrence and therefore, based on similar geology, all claims within tracts 11E/11B-(101-106) and 11E/11C-(7-10) were closed to staking pending further scientific investigation. This was done to ensure that all persons interested in the mineral rights in this area will have an equitable chance to stake claims.

Occurrence

Location 11TM0104
NAD 83 UTM zone 20N (x = 470 595, y = 5 051 398) (see Fig. 1)

The new gold occurrence is hosted by basaltic lava flows of the Early Carboniferous Diamond Brook Formation in the northeastern Cobequid Highlands. These strata dip steeply and trend northwest-southeast. The highly altered zone is approximately 40 cm wide, bedding parallel, and strikes 110° with a dip of 90°. The alteration is also associated with anomalous concentrations of arsenic (400-500 ppm) and antimony (30-50 ppm).

Assay Results

All samples were processed by Activation Laboratories Ltd., located in Ancaster, Ontario. Samples were crushed, split and ~100 g of material pulverized in mild steel (preparation code RX2). Gold fire assays were conducted on 30 g of pulverized material (preparation code 1A2).

Assay results for gold have been completed for four samples collected from the zone of silicified and sulphidized basalt at station 11TM0104 (Fig. 2). A dry ~750 g hand sample of the silicified and sulphidized rock showed a concentration of 17 ppb gold, and three dry ~625-700 g samples, consisting of centimetre- to millimetre-sized rock and mineral fragments showed concentrations of 10, 35 and 659 ppb gold, respectively.

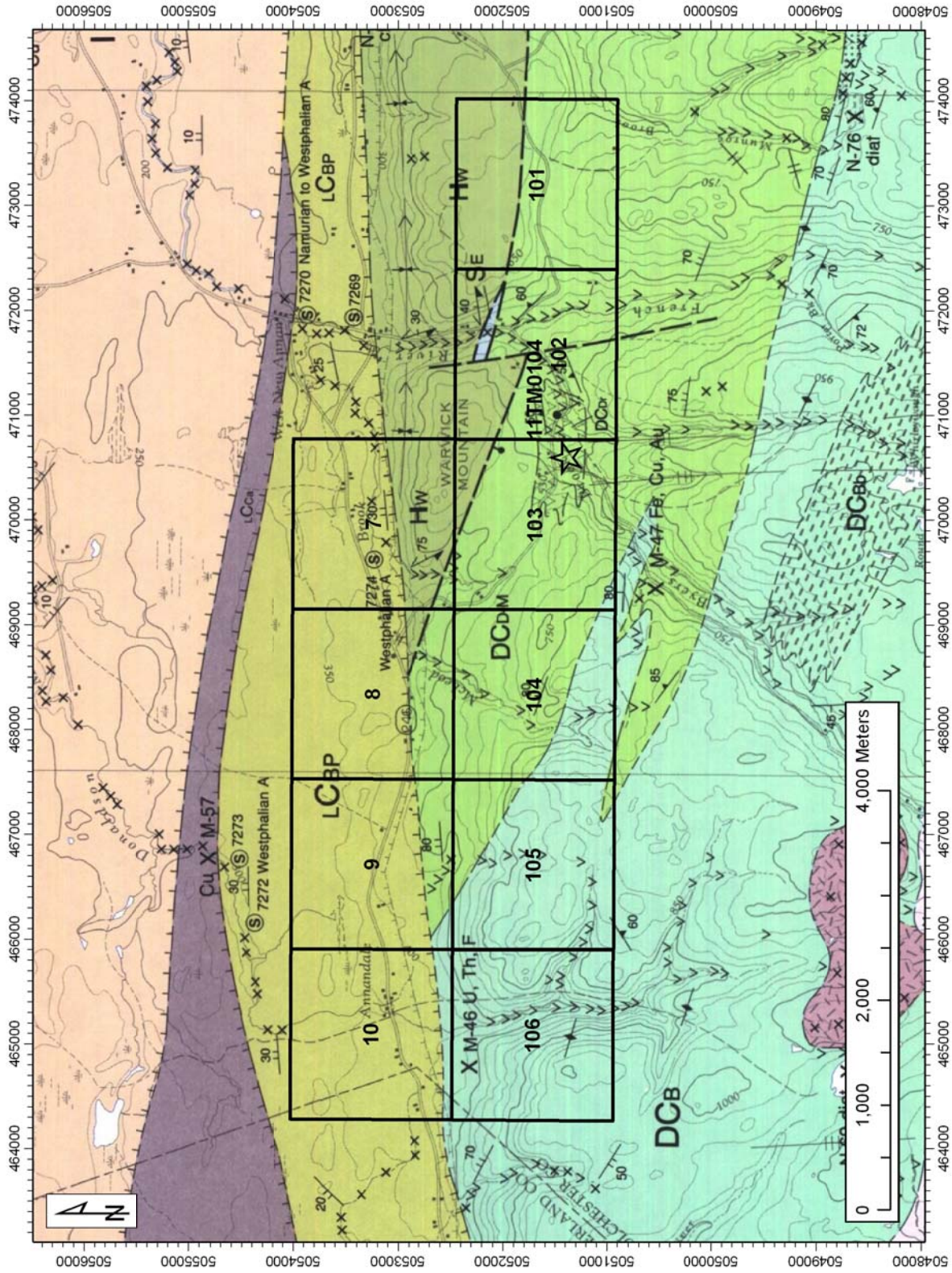


Figure 1. Map of the Warwick Mountain area showing the locations of station 11TM0104, where samples were collected, and the tracts under temporary ground closure.



Figure 2. Silicified and sulphidized zone in basalt of the Diamond Brook Formation, Station 11TM0104.