

UPDATE: PUBLICATION RELEASE
OF 2015-6 (online)

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Follow-up till geochemistry in the southwestern part of the Upsalquitch Forks (21 O/10) area, northern New Brunswick

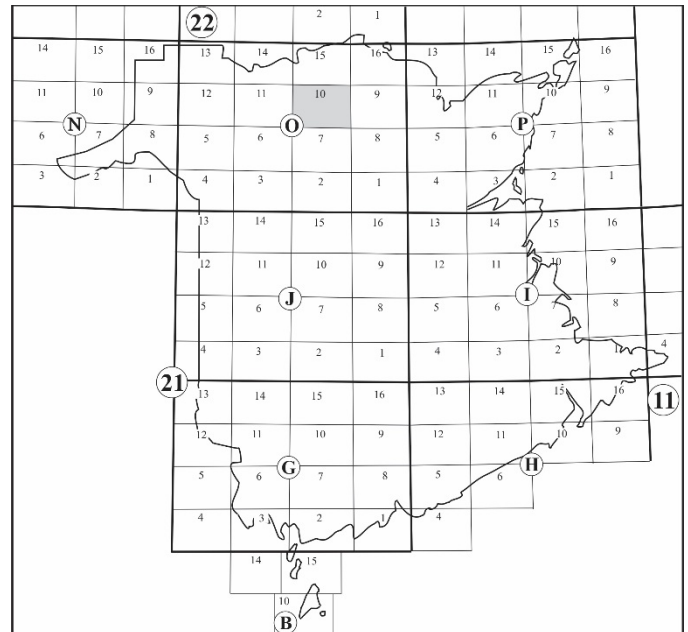
Michael Parkhill and Jesse Fisher (2015). 1 CD-ROM (xlsx and pdf formats).

During the summer of 2014, staff with the New Brunswick Department of Energy and Mines (NBDEM) collected till samples for geochemical analysis from 88 sites in the southwestern part of the Upsalquitch Forks area of northern New Brunswick. Regional 4 km² grid till geochemical surveys conducted in 1986 had identified numerous gold anomalies in the region and exploration, following up on these Au anomalies, has had mixed results. There are several known Au occurrences in the area of the present follow-up study (Williams Brook, Nine Mile Brook, McIntyre Brook) and exploration for Au in the area is ongoing. The area is also east and southeast of some recent Au discoveries that were found on or near previous government Au concentrations in till (Northwest Au in 21 O/11 by Tim Lavoie and Maisie/Menneval in 21 O/14 by Slam Exploration). The aim of this follow-up project is to provide additional data to validate and better constrain these anomalous areas, fill in some gaps in the original survey (there was no till at some sites), and to delineate previously unknown areas of prospective mineralization. An attempt was made to collect the sample as close as possible to the 1986 pits. This was problematic as the original sites in 1986 were collected using pace and compass, before the advent of GPS systems. As a result, it was decided to collect samples from a consistent sample media (basal till)

first and foremost. The distances from the original sites are noted in the site card tab in the excel file.

Activation Laboratories Ltd. (Ancaster, Ontario) was contracted to conduct geochemical analysis of samples following preparation at NBDEM facilities. Analyses for 54 elements (Code 1H2) were performed using INAA or ICP following near total 4-acid digestion. Mercury was analyzed by Cold Vapour FIMS (Code 1G).

The accompanying Microsoft Excel file contains site card data from observations made in the field and the results of the geochemical analyses. A legend for both the site card data and geochemical analysis is also included in pdf format.



grey shading on map denotes study area

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