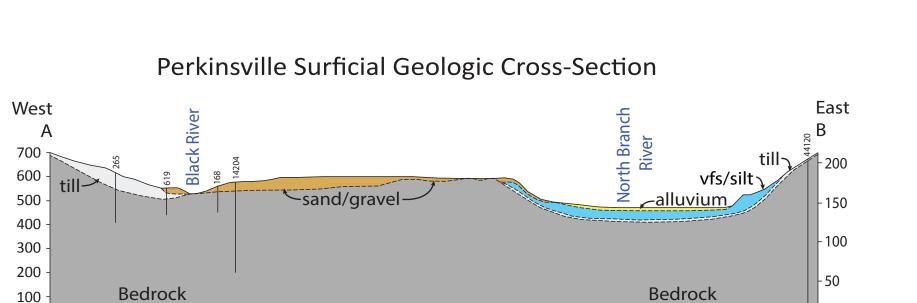


Surficial Geologic Map of Weathersfield, Vermont

Vermont Geological Survey Open-File Report VG2017-5

Stephen F. Wright 2017

Scale 1:12,000, VE 2.5x



Contour Interval = 20 feet

Grid Overlay: UTM Zone 18N, NAD 1983

"Bedrock Outcrops" layer hosted by VCGI.

Geology, University of Vermont)

Information (VCGI).

Thank you to:

Government.

Coordinate System: Vermont State Plane, FIPS 4400, NAD83

1) Field Assistants - Will Vincett, Garrett Hazebrouck, Mitchell Miers, and Stephen Maglio (Department of

landowners who allowed access to their property.

This manuscript is submitted for publication with the

understanding that the United States Government is

governmental use. This geologic map was supported by

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G16AC00178. The views and conclusions contained in

this document are those of the authors and should not

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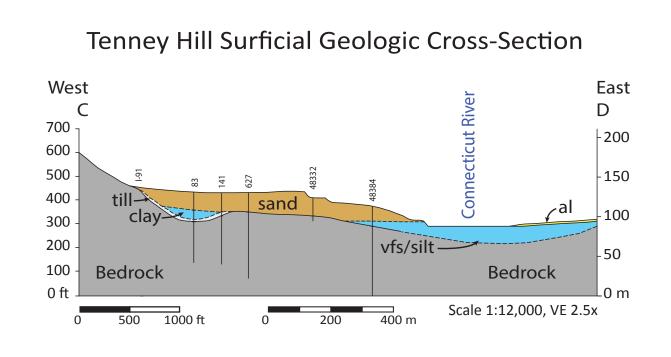
the U. S. Geological Survey, National Cooperative

2) Many volunteers from the Town of Weathersfield and

Basemap data from the Vermont Center for Geographic

Elevation data derived from USGS NED 10m DEM.

Outcrops derived from Vermont Geological Survey



Approximate Mean Declination, 2017

WEATHERSFIELD

Vermont Geological Survey Open-File Report VG2017-5

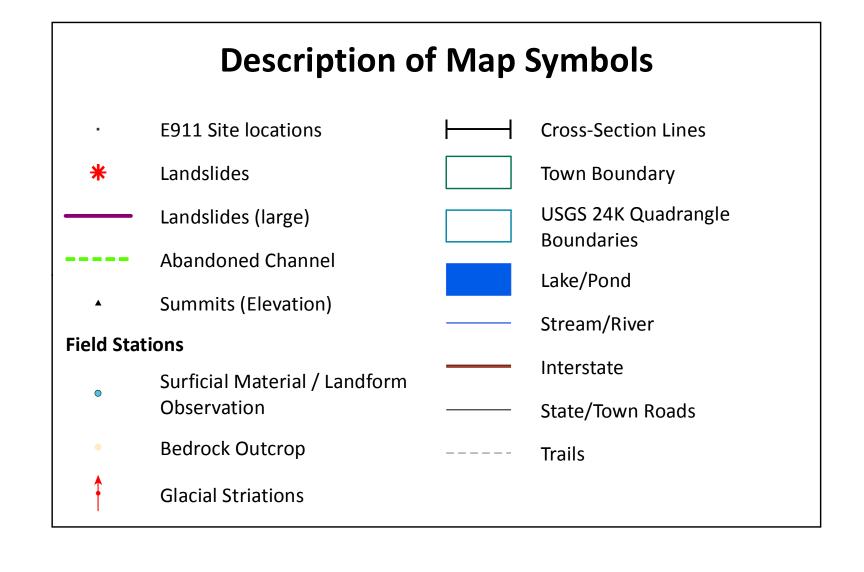
Description of Map Units Materials brought to an area for large construction projects, e. g. dams, highways. Small deposits of fill were not mapped. **Qs** Swamp/Wetlands. Areas at or below the water table most of the year. Deposits consist largely of organics and silt. Alluvium. Qal Modern stream sediments ranging from boulder gravel to silt. Organics are common. Abandoned channels and scroll bars are frequently visible. Qaf Alluvial Fan. Fan-shaped deposits ranging from boulder to fine sand. Sediment usually fine from the apex to the toe of a fan. Fluvial Terrace Deposits. Stream terrace deposits well above the modern floodplain. "Old" alluvium on these terraces is generally <2 m thick and has frequently been extracted revealing the underlying sediment. Delta-Low Stage. Sand and gravel deposited in topset and foreset beds of a delta built into Glacial Lake Hitchcock. Delta-High Stage. Sand and gravel deposited in topset and foreset beds of a delta built into Glacial Lake Hitchcock. QIs Lacustrine fine sand/very fine sand/silt. Interlayered fine sand, very fine sand, and silt deposited in Glacial Lake Hitchcock. Lacustrine silt/clay. Very fine sediments deposited in the deeper, quieter parts of Glacial Lake Hitchcock. Unit consists of interlayered silt and clay and has only been observed in the Weathersfield Bow area. Ridge of poorly-sorted stream sediments ranging from coarse sand to boulders deposited in the subglacial tunnel. Bottom of esker usually lies on

Glacial Till.

Bedrock Outcrops.

boulders, many erractic, are common.

Most areas include many, closely-spaced outcrops.



Variable thicknesses of dense, unsorted, unlayered mixtures of sediment

ranging from boulders to clay. Till usually lies directly above bedrock. Large

