

## TACONIC FIELD TRIP GL201 - Fall 2000

### **Materials:**

instructions (731a)  
map of Fair Haven area (571--7)  
sheet for detailed graphic section (228)

**Purpose:** To determine the environment of deposition, methods of deposition, and source area(s) of the slate and interbeds of the Taconic sequence.

**Stops:** (as numbered on map 571-7) We will visit a selection of these stops.

Stop 1: Eureka Quarry; general stratigraphic sequence; sketch a cross-section

Stop 2: North Brittain "Conglomerate" (part of Browns Pond Formation); note relationship between deposition and deformation

Stop 3: Browns Pond Formation

Stop 5: West Castleton Syncline; sketch in notebooks

Stop 7: Brown's Pond Formation; detailed descriptions, and stratigraphic column

Stop 8a: Graded beds in Brown's Pond Formation (optional)

Stop 9: wildflysch (clasts floating in slate) (optional)

### **Report**

Introduction:

Purpose, localities, etc.

Description:

Describe the rocks (by formation from oldest to youngest) of the Taconic sequence seen on this field problem as well as those at stop 8; this will not be the order of the stops. Indicate which stop(s) expose the particular part of the sequence.

Interpretation (cite evidence used as a basis for interpretations)

- Environment(s) of deposition  
(discuss method of deposition of slates as distinct from that of interbeds)
- Source area(s)
- Emplacement and deformation - brief comments

Figures:

**571-7** (index map); circle localities visited.

Prepare a **summary columnar section** for Taconic sequence

(this will be an elaboration of section that shows on 571--7)

**Cross-section for Eureka quarry** (Stop 1); include bar scale  
add details if you wish.

**228:** detailed columns *and* summary section of rocks at stop 7