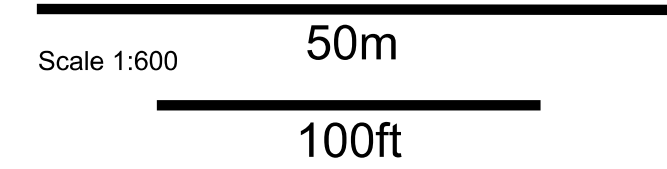


Geological map of outcrops south of Schodack Landing (Castleton cutoff)

Taconic Allochthon  
early-medial Cambrian part

Lithic stratigraphic units (outcrop in darker shade)

- Hatch Hill Formation**  
dolomitic arenites and black shale  
[dark orange - thick arenite beds with sandstone rip-up clasts]
- Middle Granville Formation**  
green/grey mudstone-shale  
limestone breccia; quartz arenite matrix  
green mudstone-shale with limestone nodular layers
- Browns Pond Formation**  
thin-bedded micritic limestone; shale partings  
[dark blue - shale-matrix micrite-clast limestone breccia]  
grey/green mudstone-shale; dispersed carbonate concretions
- Bull Formation [Nassau Formation]**  
green-grey micaceous siltstone; no carbonate concretions, rare arenites



- utility pole
- gate post
- foot path
- bedding orientation
- slickenline orientation
- fault
- stratigraphic contact
- fossil locality of Bird and Rasetti (1968)

Mapped using electronic total station 4/1999 and 11-12/2012  
by W.S.F. Kidd assisted by S. L. Anderson

Contours at 5 ft intervals; elevations above msl  
relative datum for surveys at dirt access road north gatepost  
elevation values assigned from contours on NYS DOT Ravena Quadrangle  
(1:24,000 scale, 1983 edition; base derived from 1953 USGS map)

