

# Tarriffville Rodgers Bedrock Compilation Sheet 2 (paper)

Map

## NOTICE !

Bedrock quadrangle 1:24,000 scale compilation sheets for the Bedrock Geological Map of Connecticut, John Rodgers, 1985, Connecticut Geological and Natural History Survey, Department of Environmental Protection, Hartford, Connecticut, in Cooperation with the U.S. Geological Survey, 1:125,000 scale, 2 sheets. [minimum 116 paper quad compilations with mylar overlays constituting the master file set for geologic lines and units compiled to the State map, some quads have multiple sheets depicting iterations of mapping]. Compilations drafted by Nancy Davis, Craig Dietsch, and Nat Gibbons under the direction of John Rodgers.

Geologic unit designation table translates earlier map unit nomenclature to the units ultimately used in the State publication.

This map set contains unpublished maps, cross-sections, and related information archived by the State Geological and Natural History Survey of Connecticut as part of the Survey Library Collection.

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OK 16 June 1972

Structure

DEPARTMENT OF THE INTERIOR  
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH  
THE STATE OF CONNECTICUT  
GEOLOGICAL AND NATURAL HISTORY SURVEY

GEOLOGIC QUADRANGLE MAP  
GQ-370

EXPLANATION

Distribution of outcrops indicated by solid red overprint for continuous exposures, by ruled pattern overprint for areas of abundant small exposures

Tp

Portland Arkose  
Medium to dark reddish-brown feldspathic and micaceous siltstone

Tba

Hampden Basalt  
Medium- to dark-gray, fine- to medium-grained basalt. Weathers medium reddish brown. Amygdales and vesicular at top; pillow structures and amygdalites at base

Teb

East Berlin Formation  
Medium to dark reddish-brown, medium-gray or medium-brown interbedded feldspathic and micaceous sandstone, siltstone, and shale

Tbo

Holyoke Basalt  
Medium- to dark-gray, fine- to medium-grained dense basalt. Vesicular and amygdaloidal at top; columnar jointing conspicuous in basal part

Tsm

Shuttle Meadow Formation  
Medium to dark brownish-red interbedded feldspathic and micaceous siltstone and shale

Tt

Talcott Basalt  
Medium- to dark-gray basalt. Contains several zones of pillow structure. Amygdaloidal and vesicular throughout

Td

Diabase  
Medium- to dark-gray, medium- to coarse-grained, dense diabase. Columnar jointing prevalent. Still like intrusive into New Haven Arkose, pinches out at north end of Manitook Mountain. Precise age uncertain. Younger than New Haven Arkose. May be younger, older, or equal to any of above units

Tnh

New Haven Arkose  
East of diabase, medium to dark reddish-brown interbedded feldspathic and micaceous siltstone and sandstone with subordinate conglomerate. West of diabase: light reddish-brown conglomerate with subordinate medium to dark reddish-brown feldspathic and micaceous shale, siltstone, and sandstone. Rocks are very light reddish brown near contacts of diabase

Pp

Pegmatite  
Coarse- to medium-grained quartz-microcline-oligoclase pegmatite with locally abundant muscovite and lesser biotite. Individual outcrops shown by solid color; areas of abundant outcrops shown by ruled pattern

Pha

Hartland Formation  
Pha, unit a, quartz-oligoclase-biotite-muscovite schist with locally abundant garnet and kyanite  
Phb, unit b, muscovite-biotite-quartz-oligoclase schist with locally abundant garnet and kyanite. Rusty weathered. Contains minor amounts of graphite as small hexagonal plates interbedded with mica laminae. Locally, oligoclase occurs as porphyroblasts. Very small amphibolite lenses, not separately mapped, occur throughout unit  
Phc, quartz-microcline-clinzoisite-diopside-tremolite granulite interlayered with quartz-microcline-oligoclase-biotite pegmatite. Granulite and pegmatite layers range from 1/2 to 5 in. in thickness and are as much as 50 ft long in a single outcrop  
Phd, unit d, rusty-weathered muscovite-biotite-quartz-oligoclase schist with locally abundant garnet and kyanite and very minor graphite  
Phe, unit e, very poorly exposed quartz-hornblende-oligoclase amphibolite with abundant sphene

Contact, approximately located  
Short dashed where inferred; dotted where concealed

Fault, approximately located  
Dotted where concealed; queried where doubtful  
U, upthrown side; D, downthrown side

Strike and dip of beds

Strike and dip of foliation

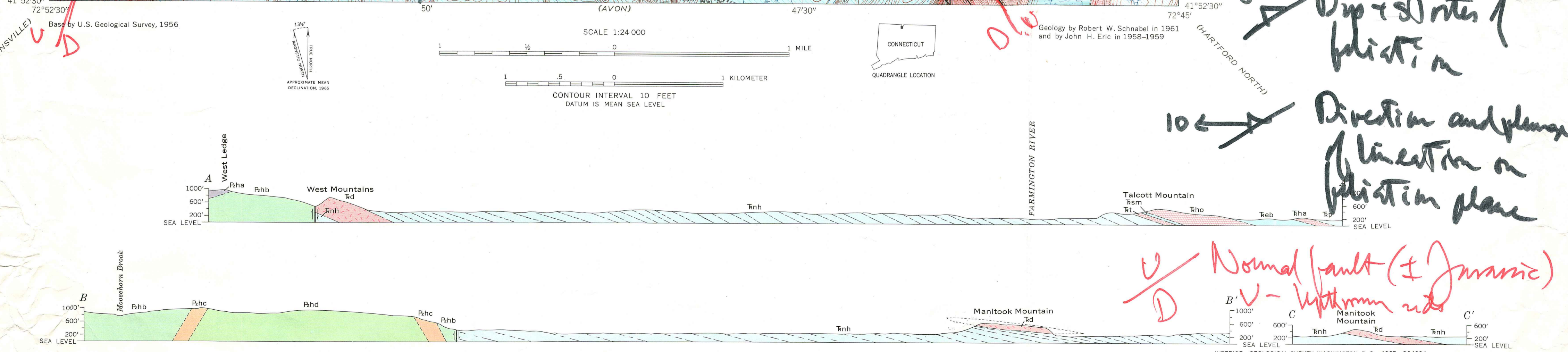
Strike and dip of foliation and bearing and plunge of lineation

Abandoned mine, prospect or quarry

15  
55  
Dip + strikes of bedding  
Dip + strikes of foliation

100  
Direction and plunge of lineation on foliation plane

U/D Normal fault (± Jurassic)  
U - upthrown side  
D - downthrown side



BEDROCK GEOLOGIC MAP OF THE TARIFFVILLE QUADRANGLE, HARTFORD COUNTY, CONNECTICUT AND HAMPDEN COUNTY, MASSACHUSETTS

By  
Robert W. Schnabel and John H. Eric  
1965

For sale by U.S. Geological Survey, price \$1.00