

Cornwall 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This map set contains unpublished maps, cross-sections, and related information archived by the State Geological and Natural History Survey of Connecticut as part of the Survey Library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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John H. Jones 1975

Generalized strikes + dips of foliation (+fold axes)
 No joint or other feature information.

(The fault is entirely inferred.)

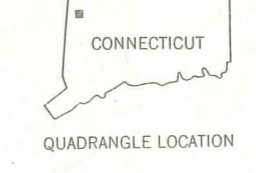
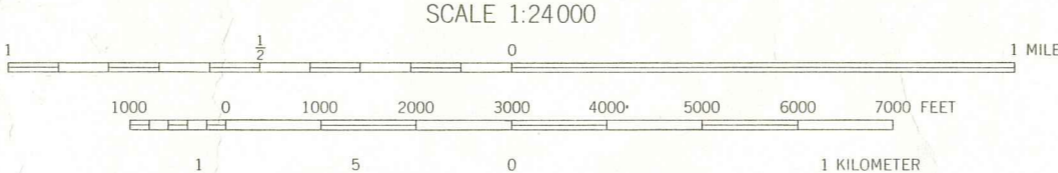
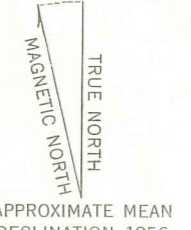


- EXPLANATION**
- Tyler Lake granite
Massive, white, fine- to medium-grained granite composed of quartz, microcline, plagioclase and mica. Granulation and cataclasis are characteristic features. Foliation symbols in granitic bodies represent large Waramaug inclusions.
 - Waramaug formation
Rusty weathering quartzofeldspathic biotite gneiss and sillimanite-garnet-quartzofeldspathic biotite gneiss. These rocks are inter-mixed and intergrade. Sillimanite and garnet produce a lumpy weathered surface.
 - Amphibolite
Pods and layers in Waramaug.
 - Stockbridge marble
Medium- to coarse-grained, white to gray, dense calcitic marble. Impurities are phloporite, muscovite, tremolite and quartz.
 - Gneiss complex of the Housatonic highlands
Major rock types are: 1) banded, granitic gneiss; 2) rusty weathering quartzofeldspathic gneiss; 3) mafic gneiss composed of various amounts of hornblende, biotite, plagioclase and quartz with accessory sphene, epidote, and magnetite; and 4) diopside and granitic rocks.
Subdivisions I to V defined in text.
 - Formation contact
Dashed where indefinite or inferred; location essentially accurate.
 - Intraformational contact
 - Major outcrop areas
 - Inferred fault
 - Doubtful or probable fault
 - Approximate axis of foliation syncline
 - Approximate axis of foliation anticline
 - Strike and dip of foliation
 - Strike of vertical foliation
 - Bearing and plunge of lineation
 - Crumpled and poorly defined foliation
 - Generalized strike and dip of crumpled, plicated, enclinated or undulating foliation

A 45 Generalized dip strike
Adjoining foliation
A vertical foliation
50 Strong lineation

GEOLOGIC MAP OF THE CORNWALL QUADRANGLE, CONNECTICUT
 Bedrock Geology by Robert M. Gates, 1956-60.

Base map by U.S. Geological Survey
 Control by USGS, USC&GS, and Connecticut Geodetic Survey
 Topography from aerial photographs by multiplex methods
 Aerial photographs taken 1944. Field check 1948
 Revised 1956
 Polyconic projection. 1927 North American datum
 10,000-foot grid based on Connecticut coordinate system
 Copyright 1961
 State of Connecticut



ROAD CLASSIFICATION
 Heavy-duty _____ Light-duty _____
 Medium-duty _____ Unimproved dirt _____

CORNWALL, CONN.
 N4145-W7315/7.5

