

New Preston Rodgers Bedrock Compilation Sheet 3 (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This map set contains unpublished maps, cross-sections, and related information archived by the State Geological and Natural History Survey of Connecticut as part of the Survey Library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.

These materials have not been reviewed for accuracy, consistency, or completeness. For many geographic areas, more current information exists, either in published or unpublished form. These materials were developed under research and mapping agreements between the State Geological Survey and individual scientists, academic institutions, or graduate students. The veracity of the information contained within these documents is the responsibility of the authorship. The State Geological and Natural History Survey of Connecticut, does not promote or endorse this content, nor does the State Survey attest as to its level of accuracy.

These materials have been preserved under a cooperative agreement between the State Geological Survey and the US Geological Survey as part of the National Geological and Geophysical Data Preservation Program. www.datapreservation.usgs.gov

These materials are offered in the spirit of open government. Reproduction of these manuscripts was conducted to the highest practical degree, within the parameters of the funding mechanism. Original documents are available for inspection by contacting the Connecticut State Geologist.

JR 15 June 1975

Generalized
strike + dip of foliation

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CONNECTICUT GEOLOGICAL and NATURAL HISTORY SURVEY
EDWARD L. TROXELL, Director

NEW PRESTON QUADRANGLE
CONNECTICUT-LITCHFIELD CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE 1/4 NEW MILFORD 15' QUADRANGLE

- EXPLANATION**
- YOUNGER BASICS**
Gray to black, fine- to medium-grained, massive to foliated intrusives of olivine norite, quartz, norite, and hypersthene pyroxenite.

GRANITE and GRANITIC GNEISSES
Relatively undeformed, gray to red, fine- to medium-grained, granites and granitic gneisses composed of microcline, oligoclase, quartz, and mica.

DIORITIC GNEISSES
Fine- to medium-grained hornblende, biotite, and hornblende-biotite dioritic gneisses with oligoclase-andesine feldspar.

MT. TOM HORNBLENDE GNEISS
Dark brown to black and white mottled gneisses containing hornblende, chlorite, and andesine with minor amounts of quartz, titanite, and magnetite.

HARTLAND FORMATION
Interbedded mica quartzites and mica-quartz schists containing staurolite, garnet, cordierite, and kyanite locally.

STOCKBRIDGE MARBLE
Massive, white to gray, dolomitic marble with micaceous and tremolite-bearing layers.

WARMAUG FORMATION
Mica-quartz gneisses and schists, feldspathic mica quartzites, and mica quartzites.

Contacts and Boundaries dashed where approximately located

45

Strike and dip of schistosity or foliation

25

Plunge of linear elements

Highly contorted foliation

Faults, broken lines inferred

GEOLOGIC MAP AND SECTION OF THE NEW PRESTON QUADRANGLE, CONNECTICUT

By
Robert M. Gates

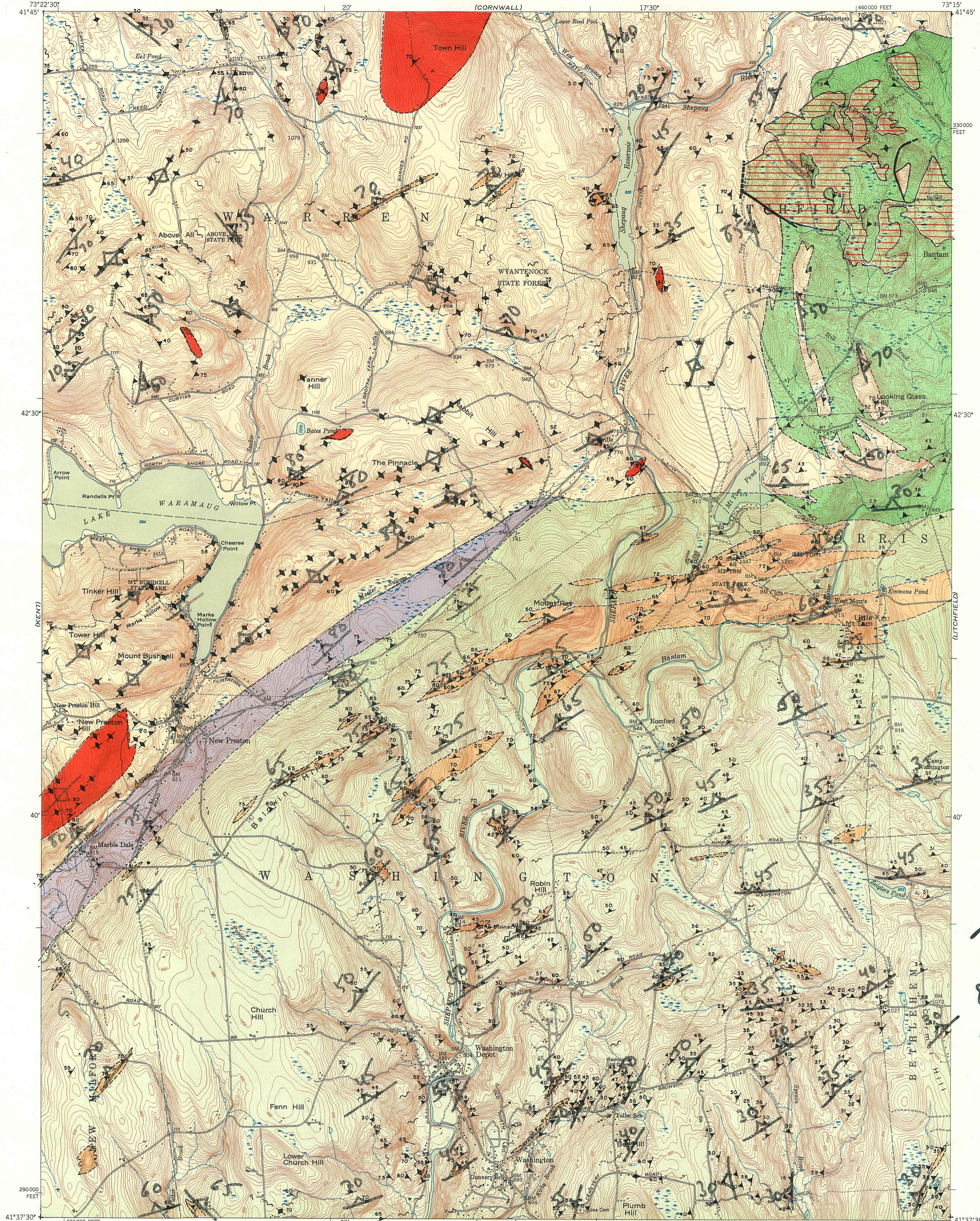
ASSISTED BY WILLIAM C. BRADLEY

Geology mapped in 1950

Northeast Corner mapped by

E. N. Cameron

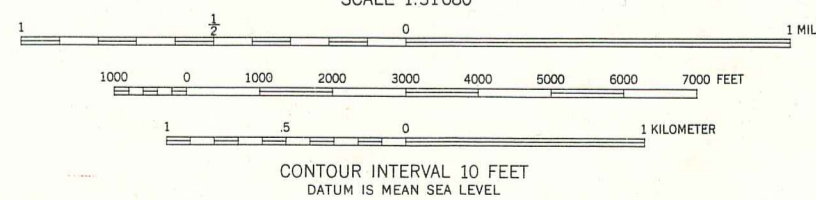
— 1952 —



Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, Connecticut Geologic Survey, and Columbia University
Topography from aerial photographs by multiple methods
Aerial photographs taken 1944. Field check 1948
Polyconic projection, 1927 North American datum
10,000-foot grid based on Connecticut coordinate system

These marginal references refer to base map.
Geological data overprinted by Connecticut
Geological and Natural History Survey.

APPROXIMATE MEAN
DECLINATION, 1948



CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION
HARD-SURFACE ALL WEATHER ROADS DRY WEATHER ROADS
Heavy-duty Improved dirt
Medium-duty Unimproved dirt
Loose-surface, graded, or narrow hard-surface U. S. Route
State Route

NEW PRESTON, CONN.
NE 1/4 NEW MILFORD 15' QUADRANGLE
N4137.5-W7315.7.5

EDITION OF 1950

A 45
Generalized
Strike + dip
of foliation

Vertical
foliation