

# Clinton Rodgers Bedrock Compilation Sheet (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This map set contains unpublished maps, cross-sections, and related information archived by the State Geological and Natural History Survey of Connecticut as part of the Survey Library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 For many geographic areas, more current information exists, either in published or unpublished form.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](http://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.

*JPL Interpretation in color by 5-6 July 1978*

STATE OF CONNECTICUT  
GEOLOGICAL AND NATURAL HISTORY SURVEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

QUADRANGLE REPORT No. 29  
PLATE I



EXPLANATION

- Ob  
"Brimfield" Formation  
Bedded spessartite-quartz rock (cotecule) and sillimanite-garnet schists (exposed in adjacent Essex quadrangle).
- Omi  Omic  
Middletown Gneiss  
Omi: Undifferentiated Middletown Gneiss consisting of Omi and Omic as described below.  
Omic: Plagioclase gneiss-amphibolite association: interbedded amphibolite and rust-stained plagioclase gneisses containing gedrite (or aluminous anthophyllite) and/or cummingtonite and/or garnet. Areas of gedrite-bearing rock marked with symbol ▲.
- Omg  
Omic  
Omic: Calc-silicate gneiss-sillimanite schist association: Biotite schists with quartz-sillimanite nodules and calc-silicate gneiss containing calcite and diopside. Areas of nodule-bearing rock marked with symbol ▲.
- Oms  
Monson Gneiss  
Oms: Light to dark-gray biotite-plagioclase-quartz gneiss with black amphibolite layers.  
Omh: Dark gray hornblende plagioclase-quartz rock (Boulder Lake variety) with amphibolite inclusions.  
Oma: Black amphibolite.
- cg  
Clinton Granitic Gneiss  
Pink biotite granitic (quartz-monzonitic) gneiss

- Single outcrop or closely spaced outcrop.
- Contact  
Long dashed where approximately located; short dashed where gradual or interbed; dotted where concealed.
- PLANAR FEATURES**
- Inclined  
Strike and dip of foliation. Most pronounced foliation commonly parallel with layering and/or bedding.
- Vertical  
Strike and dip of conspicuous joints.
- Horizontal  
Strike and dip of fracture cleavage in Middletown Gneiss. Cleavage commonly coated with hornblende prisms.

- LINEAR FEATURES**
- Bearing and plunge of lineation. Tail of arrow at point of observation.
- MINOR FOLDS**
- Strike and dip of inclined axial plane.
- Bearing and plunge of foliation.

*Explanation*

*Psp - Narragansett  
pink granite*

*Och - Collinsville  
formation*

*Omi - Middletown  
amphibolite formation*

*Psp + Pnp - Clinton  
granitic gneiss*

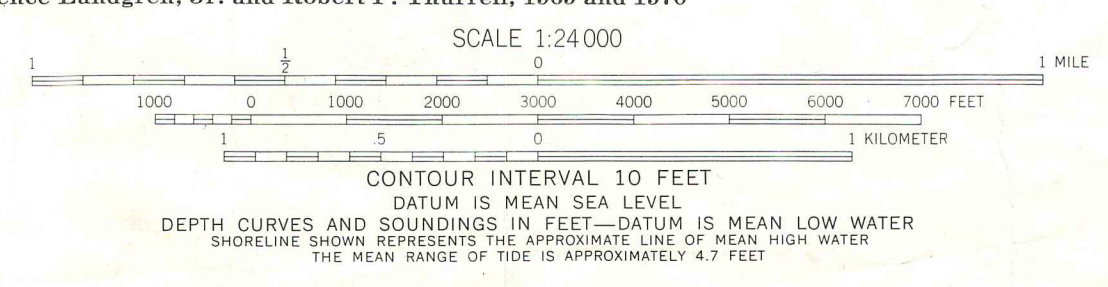
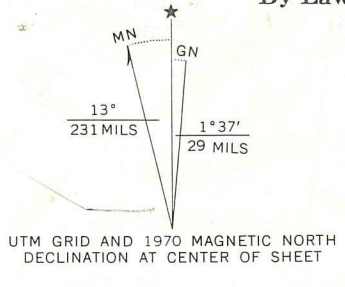
*? pten - Monson  
gneiss*

*Bedrock geology  
unknown*

BEDROCK GEOLOGIC MAP OF THE CLINTON QUADRANGLE, CONNECTICUT

By Lawrence Lundgren, Jr. and Robert F. Thurrell, 1969 and 1970

Base map by U.S. Geological Survey  
Control by USGS, USC&GS, USCE, and Connecticut Geodetic Survey  
Topography by photogrammetric methods from aerial photographs taken 1949.  
Field checked 1951. Revised 1961.  
Revisions of culture and drainage from aerial photographs taken 1970.  
Selected hydrographic data compiled from USC&GS Chart 216 (1960).  
This information is not intended for navigational purposes.  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Connecticut coordinate system



98