

# Moodus 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This map set contains unpublished maps, cross-sections, and related information archived by the State Geological and Natural History Survey of Connecticut as part of the Survey Library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 For many geographic areas, more current information exists, either in published or unpublished form.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)

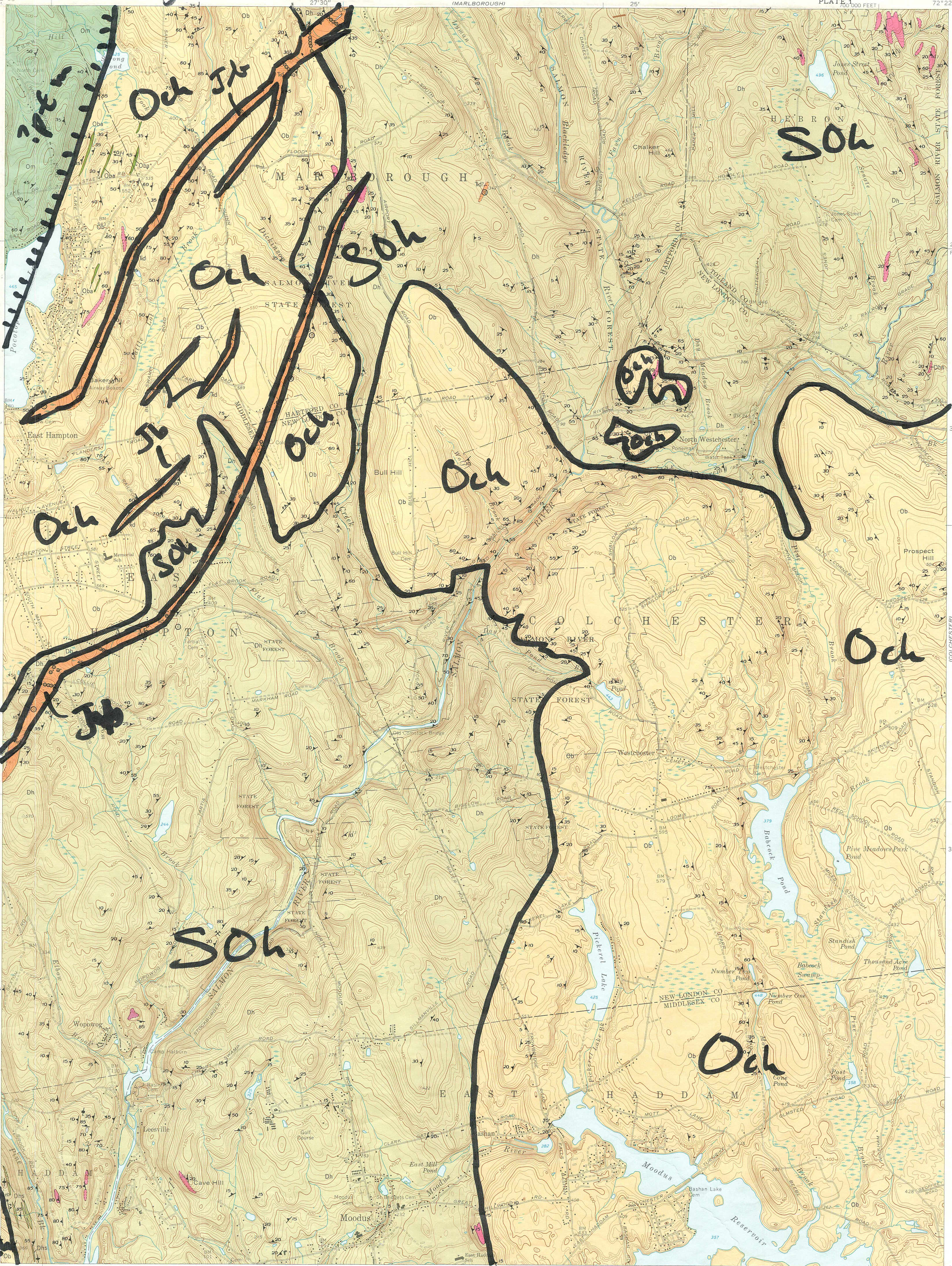
These materials are offered in the spirit of open government. Reproduction of these manuscripts was conducted to the highest practical degree, within the parameters of the funding mechanism. Original documents are available for inspection by contacting the Connecticut State Geologist.



JW Interpretation July 21 July 1978

STATE OF CONNECTICUT  
 GEOLOGICAL AND NATURAL HISTORY SURVEY  
 JOE WEBB PEOPLES, DIRECTOR

QUADRANGLE REPORT NO 27  
 PLATE 1 (100 FEET)



EXPLANATION

- Diabase  
 Id: symbol located at outcrops. Circle enclosing cross indicates boulder. Circle enclosing dot along dotted line indicates line of ground magnetometer traverses; reading at circles exceeded 88750 gamma. Circle enclosing circle marks high on unpublished U.S.G.S. aeromagnetic profile. Contacts are schematic where not controlled by outcrop or ground magnetometer.
- Pegmatite  
 Coarse-grained, pink or white granitic rocks generally consisting of quartz, oligoclase or albite, and microcline, and muscovite, biotite or both. Beryl, garnet and tourmaline are present in pegmatite in Hebron Formation.
- Hebron Formation  
 Dh: Interbedded brownish gray quartz-biotite-plagioclase schist and greenish gray calc-silicate gneiss.  
 Dhs: Muscovite-biotite schist.
- Brimfield Schist  
 Ob: Gray or rust-stained garnetiferous biotite-muscovite schist with subordinate sillimanitic schist, garnetiferous quartz-biotite schist, garnetiferous calc-silicate granulites, and amphibolites.  
 Oba: Hornblende-plagioclase amphibolites.
- Monson Gneiss  
 Om: Light to dark-gray, medium-grained, plagioclase-quartz-biotite-hornblende gneiss and dark-gray to greenish black amphibolite; gneiss is indistinctly foliated to sharply layered.

- Contact  
 Dashed where approximately located; short dashed where gradational or inferred; dotted where concealed.
- PLANAR FEATURES**
- Inclined Vertical  
 Strike and dip of foliation. Strongest foliation or schistosity generally parallel with compositional layering, assumed to be bedding, in the Hebron Formation.
- Inclined Vertical  
 Strike and dip of conspicuous joints.
- LINEAR FEATURES**
- Bearing and plunge of lineation. Tail of arrow at point of observation. Letter symbols indicate nature of lineation. H, hornblende; Q, quartz; S, sillimanite.
- MINOR FOLDS**
- Strike and dip of inclined axial plane.  
 Bearing and plunge of fold axis.

FA: axis of symmetrical fold; symbol indicates map sense of small as in tri-fold viewed down the plunge.  
 Isoclinal folds

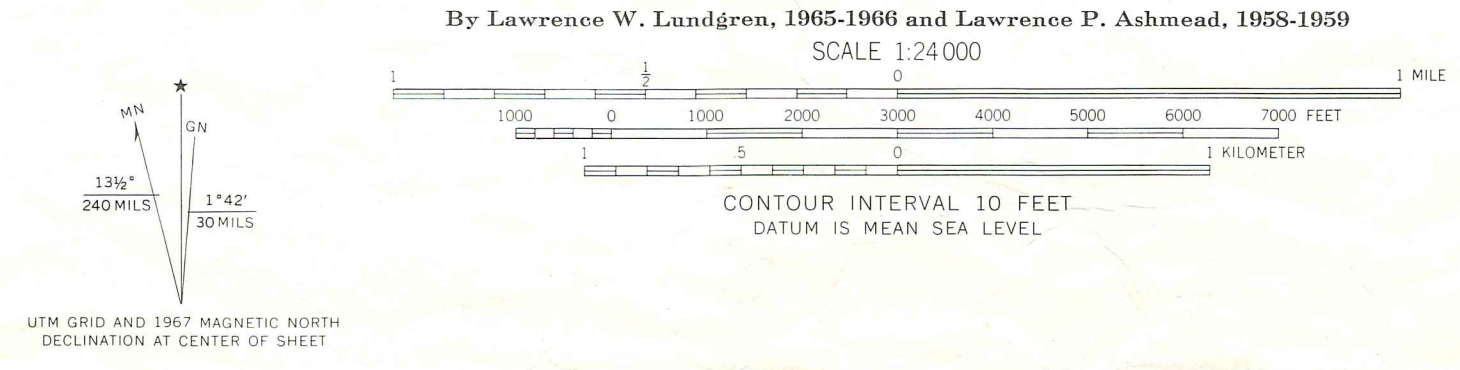
Jb - Burruss dolomite

SOh - Hebron formation  
 Och - Collins Hill fm.

? pt in - Monson gneiss

BEDROCK GEOLOGIC MAP OF THE MOODUS QUADRANGLE, CONNECTICUT

Base map by U.S. Geological Survey  
 Control by USGS, & USC&GS, and Connecticut Geologic Survey  
 Planimetry by photogrammetric methods from aerial photographs taken 1941. Topography by planimetric surveys 1942-1943. Revised from aerial photographs taken 1965. Field checked 1967.  
 Polyconic projection. 1927 North American datum  
 10,000-foot grid based on Connecticut coordinate system



69