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This map set contains unpublished maps, cross- sections, and related information archived by the State Geological and Natural History Survey of Connecticut as part of the Survey Library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

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 For many geographic areas, more current information exists, either in published or unpublished form.

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JK 1975 June 1975
Generalized dips & Strikes

Triassic? normal fault?
Zone, perhaps 1000 meters wide, where rock is probably excessively fractured

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

LITCHFIELD QUADRANGLE
CONNECTICUT-LITCHFIELD CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 WATERBURY 15' QUADRANGLE

GEOLOGIC MAP AND SECTION OF THE LITCHFIELD QUADRANGLE, CONNECTICUT

By

ROBERT M. GATES

Geology mapped in 1948 and 1949
Northwest quarter mapped by E. N. Cameron

— 1951 —

EXPLANATION

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

GRANITE AND PEGMATITE
Probably related to Woodbury granite. Occur as sills and/or dikes; composed mainly of feldspar, quartz, muscovite, and biotite.

WOODBURY GRANITE
Fine-to coarse-grained, massive or layered granite containing large porphyritic crystals of graphic granite and plumose muscovite; composed largely of microcline, albite-oligoclase, quartz, muscovite, and biotite. Granite gneiss roof pendants commonly present.

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

MT. TOM HORNBLENDE GNEISS
Dark green to black and white mottled gneisses containing hornblende, oligoclase-andesine, and locally garnet.

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

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

Contacts and Boundaries
dashed where approximately located

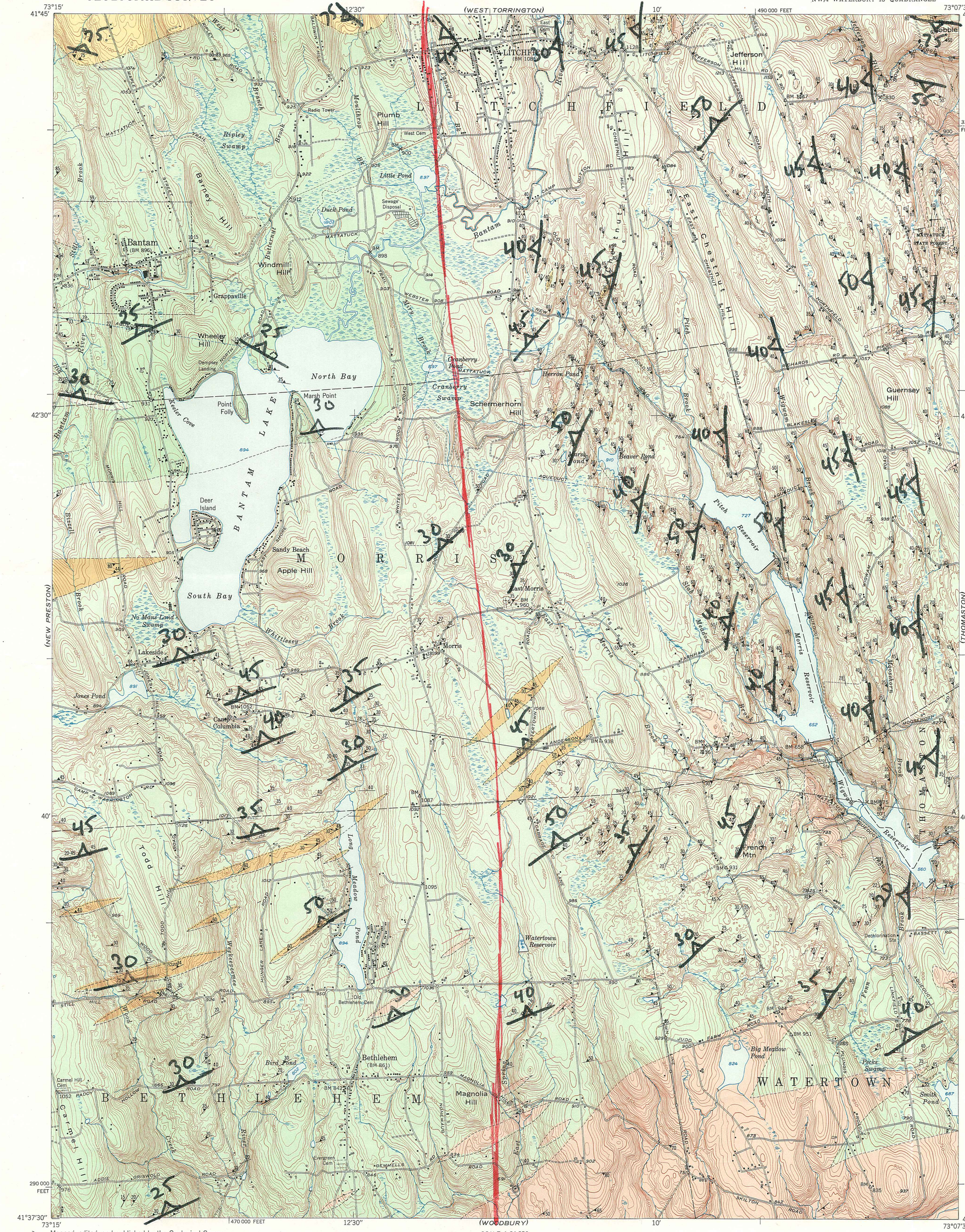
55 Strike and Dip of Beds

45 Strike and Dip of Overturned Beds

60 Strike and Dip of Foliation

45 Plunge of Lineation

Highly Contorted Foliation



Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and Columbia University
Topography from aerial photographs by multiplex 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.

13° MAGNETIC NORTH — TRUE NORTH
APPROXIMATE MEAN DECLINATION, 1948

SCALE 1:31680
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER
CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

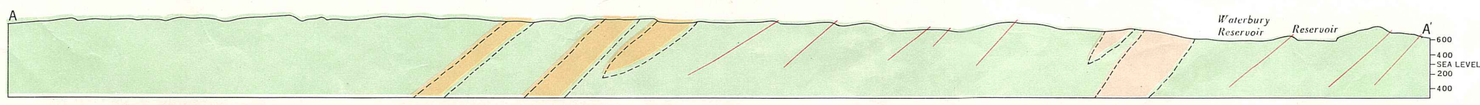
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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

LITCHFIELD, CONN.
NW/4 WATERBURY 15' QUADRANGLE
N4137.5—W7307.5/7.5

EDITION OF 1950



SECTION ALONG LINE A—A'

45 Generalized dips & strikes of bedding foliation

(48)