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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

WOODBURY QUADRANGLE
CONNECTICUT
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 WATERBURY 15' QUADRANGLE

EXPLANATION

Ts

Triassic Newark series. Dense, dark gray to black basalt lava flows, reddish brown on weathered surface. Some sandstone and conglomerate. Ts—Triassic sandstone and conglomerate outcrops.

Triassic basalt outcrop area.

Nonewaug granite. Fine to coarse-grained, massive or layered, soda granite containing large porphyritic crystals of graphic granite and plumose muscovite.

Mixed granite and metasediments, mixed Nonewaug granite, pegmatite, and Hartland metasediments including many granitic gneisses.

Nonewaug granite with Hartland inclusions or roof pendants.

Mt. Tom hornblende gneiss. Dark green to black and white mottled gneisses containing hornblende, chlorite, andesite with minor amounts of quartz, garnet, titanite, and magnetite.

Hartland formation. Interbedded mica quartzites and mica quartz schists containing garnet, staurolite, and kyanite locally.

Hartland granitic gneisses. Granitic gneisses composed of mica, quartz, and feldspar structurally related to Hartland formation.

Hartland formation. Red dots indicate feldspathic material in small concentrations. Number of red dots indicates varying amounts of feldspathic material.

Granite and pegmatite dikes and sills.

Irregular masses of granite and pegmatite.

45

Strike and dip of foliation or layering of Hartland formation or granite.

Highly contorted foliation.

Contacts and boundaries dashed where approximately located.

Fault.

Inferred fault.

GEOLOGIC MAP AND SECTIONS OF THE WOODBURY QUADRANGLE, CONNECTICUT

By
Robert M. Gates

Geology mapped in 1948 and 1952.

— 1953 —

(NEW PRESTON) (LITCHFIELD) (THOMASTON)
(ROXBURY) (WATERBURY)
(NEWTOWN) (SOUTHBURY) (NAUGATUCK)

73°15′ 12′30″ 10′ 490 000 FEET 73°07′30″
41°37′30″ 280 000 FEET 35′ 32′30″ 250 000 FEET 41°30′
470 000 FEET

B E T H L E H E M
W O O D B U R Y
S O U T H B U R Y
N O R B E R T H
Bird Hill
Regina Laudis Priory
Davidson Hill
Brushy Hill
Church Hill
Watertown
Taft Sch
Cherry Hill
Watertown Pumping Sta
Lake Winnemaug
Morehouse Pond
Minortown
Hotchkissville
Peacock Hill
Parkins Pond
Alder Swamp
North Woodbury (BM 778)
Ts
Ts Hills
Orenaug Woodbury (BM 754)
Orenaug House
Pomperaug
South Cem
Hewetts Meadow Pond
Joshua Hill
Calab Hill
Blackmans Hill
Lake Quassapaug
Great Hill
Middlebury
Lake Elsie
Kelley Pond
Woodbury Reservoir
Scuppo Hill
Rag Land
Bear Hill
Hooppole Hill
Rail Tree Hill
Sawmill Hill
Tweesaywaid Pond
Pine Corners
Bates Rock
Sawtooth Rocks
White Oaks
Kissawaug Swamp
Long Meadow Pond
Almood Pond
Mirry Swamp
Cedar Swamp
Cat Swamp Pond
Deer Rock
Charcoal Hill
Breakneck Hill
LITCHFIELD CO
NEW HAVEN CO

Mapped, edited, and published by the 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
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

WOODBURY, CONN.
SW/4 WATERBURY 15' QUADRANGLE
N4130—W7307.5/7.5

1948

1953 INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.

A Carmel Hill Church Hill A'
800′ 600′ 400′

B Hooppole Hill Kavanaugh Hill Hogpen Hill Brushy Hill Church Hill B'
800′ 600′ 400′ 200′