Open Report

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

QUADRANGLE REPORT NO. 10
Plate 1

GEOLOGIC MAP OF THE WALLINGFORD QUADRANGLE, CONNECTICUT

Surficial Geology by Stephen C. Porter 1958

EXPLANATION

(A thin discontinuous layer of wind-blown silt, generally incorporated in the soil profile, is present over much of the map area)

PLEISTOCENE

Postglacial

- af — Artificial fill
- al — Alluvium. *Gravel, sand, silt, and clay occuring as thin covers on valley floors.*
- s — Swamp deposits. *Muck composed of organic matter mixed with sand, silt, and clay in poorly drained areas.*
- ta — Terrace alluvium. *Thin deposits of gravel and sand capping river terraces in the Quinnipiac Valley.*

Glacial

- ow — Outwash. *Yellowish-gray pebble gravel, sand, and silt derived mainly from crystalline rocks of the Western Upland.*
- l — Lake sediments. *Even-bedded sand, silt, and clay deposited in temporary glacial lakes.*
- ic — Ice-contact stratified drift. *Reddish cobble- and pebble-gravel, sand, and silt derived chiefly from Triassic rocks and deposited by meltwater streams in close relation to melting glacier ice. In many places characterized by poor sorting and abrupt changes in grainsize.*
- t — Till. *Compact, nonsorted sediment deposited by glacier ice.*

Bedrock
Individual exposures in solid color; shading denotes areas with small and scattered exposures or areas thinly covered with residuum.

Geologic contacts
Dashed where located approximately

Glacial grooves and (or) striations
Dot at center of symbol indicates locality

Till-fabric measurement locality
Dot at center of symbol indicates locality

Erratic boulder
Greater than 6 feet in diameter. (All are basalt)

Sand-and-gravel pit (Operative)

Sand-and-gravel pit (Inoperative)

Clay pit (Inoperative)

Pd — artificially dammed ponds not shown on the topographic base map.

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt

CONNECTICUT — QUADRANGLE LOCATION

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

SCALE 1:24000

APPROXIMATE MEAN DECLINATION, 1954

WALLINGFORD, CONN.
N4122.5—W7245/7.5

Base map by U. S. Geological Survey

Control by USGS, USC&GS, and Connecticut Geodetic Survey

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1949. Field check 1954

Polyconic projection. 1927 North American datum
10,000-foot grid based on Connecticut coordinate system

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