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

QUADRANGLE REPORT NO. 36
PLATE 1

Open Report

SURFICIAL GEOLOGIC MAP OF THE HADDAM QUADRANGLE, CONNECTICUT

By Richard Foster Flint, 1972 and 1973

Bedrock outcrops compiled by James L. Rolston, 1978

EXPLANATION

Postglacial

af — Artificial fill

s — Swamp sediments
Silt, sand, and clay mixed with organic matter in poorly drained areas, both fresh-water and tidal.

al — Alluvium
Sand, silt, and gravel occurring as thin covers on some valley floors. Locally includes colluvium and bodies of clay.

Glacial

ow — Outwash sediments
Sand and gravel, mainly with cut-and-fill stratification, grading up-valley into ice-contact stratified drift.

icl — Ice-contact stratified drift, lacustrine facies
Laminated silt, fine sand, and clay with numerous dropstones.

ic — Ice-contact stratified drift
Sand, gravel, silt, and clay, in many places poorly sorted, with abrupt changes in grain size, and deformed. Deposited in streams and local ephermeral lakes in close relation to melting glacier ice. Many bodies grade into outwash sediments.

t — Till
Compact, nonsorted sediment deposited by glacier ice. Includes small bodies of stratified sediment.

Bedrock outcrops
Shading identifies areas of scattered bedrock outcrops and areas where bedrock is inferred to be near the surface (less than ten feet). Data are based on outcrops located during field mapping and on interpretation of topography.

Geologic contact
Dashed where located only approximately.

Scarp, mainly stream cut, separating adjacent surfaces of bodies of ice-contact stratified drift or outwash. Ticks are on downslope side.

Low area on a divide, over which a stream of meltwater flowed temporarily. Arrow indicates direction of flow.

Erratic boulder 10 feet or more in greatest diameter.
Letters denote lithology:
A: Amphibolitic rock. D: Diabase.
Gn: Gneissic rock. Gr: Granitic rock.
Pgm: Pegmatite. No letter: Not identified.

Glacial striations and/or grooves.

Pit (operating) in sand and gravel or till. Hachures denote pit faces.

Pit (abandoned) in sand and gravel or till. Hachures denote pit faces.

p — Artificial pond not shown on topographic base map.

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 1950. Field checked 1952. Revised 1961. Photorevised 1971.

Selected hydrographic data compiled from USC&GS Chart 266 (1962) This information is not intended for navigational purposes.

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

UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.5 FEET

CONNECTICUT
QUADRANGLE LOCATION

Williams & Heintz Map Corporation, Washington, D.C. 20027