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

QUADRANGLE REPORT NO. 23
Plate 1.

Open Report

SURFICIAL GEOLOGIC MAP OF THE ANSONIA QUADRANGLE, CONNECTICUT

By Richard Foster Flint, 1964, 1965, and 1967

EXPLANATION

Postglacial

af — Artificial fill

s — Swamp deposits
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.

ta — Terrace alluvium
Thin covers of sand and gravel capping stream terraces in Wepawaug Valley.

Glacial

ls — Lake-bottom sediments
Parallel-stratified silt, clay and sand deposited in temporary lakes dammed by ice or by outwash sediments.

iwow — Indian River and Wepawaug Valley outwash sediments
Sand and gravel, mainly with cut-and-fill stratification, grading up-valley into ice-contact stratified drift.

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 ephemeral 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

Geologic Contact
Dashed where located approximately.

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

Erratic boulder 10 feet or more in greatest diameter. Letter denotes lithology: D — diabase and basalt; P — Prospect Gneiss; no letter — unknown.

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.

Artificial pond not shown on topographic base map.

Base map by U.S. Geological Survey

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

Topography by photogrammetric methods from aerial photographs taken 1949. Field checked 1953. Revised from aerial photographs taken 1963. Field checked 1964

Selected hydrographic data compiled from USC&GS Chart 219 (1964)
This information is not intended for navigational purposes

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

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State of Connecticut

UTM GRID AND 1964 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

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 5 FEET

CONNECTICUT
QUADRANGLE LOCATION

A. Hoen and Company, Baltimore, Md.