UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1276
PLATE 1

SERIES	UNIT	SCHEMATIC COLUMNAR SECTION	THICKNESS, IN FEET AND CONTACT RELATIONS
Pleistocene and Recent	Tidal marsh		5–15
	UNCONFORMITY		
	Recent alluvium		5–10
	UNCONFORMITY		
	Beach sand		5–160+
	UNCONFORMITY		
	Foraminiferal clay		2–50
	UNCONFORMITY		
	Glauconitic sand		5–30
	UNCONFORMITY		
Miocene(?) and Pliocene(?)	Cohansey Sand		20–65
	UNCONFORMITY		
Paleocene	Vincentown Formation		0–35
	Hornerstown Sand		5–15
	UNCONFORMITY		
Upper Cretaceous	Tinton Sand		20
	Red Bank Sand — Shrewsbury Member		90–105
	Red Bank Sand — Sandy Hook Member		15–30
	Navesink Formation		25
	UNCONFORMITY		
	Mount Laurel Sand		25
	Wenonah Formation		25–30
	Marshalltown Formation		10–12
	Englishtown Formation		130

EXPLANATION

Clay-silt · Sand · Gravel · Glauconite · Mica · Fossils · Cross-stratification · Borings and siderite concretions

Base by U.S. Geological Survey, 1954

Geology mapped in 1963–64

EXPLANATION

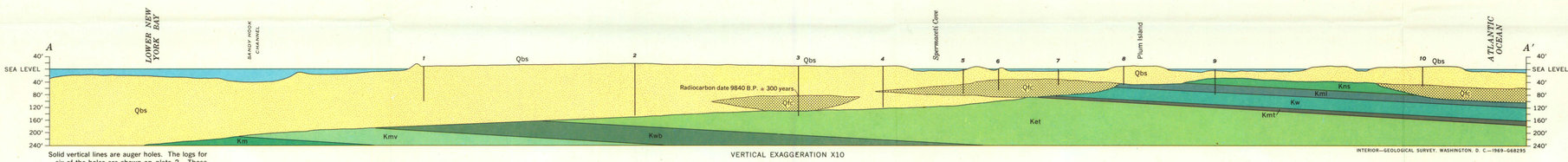
- QUATERNARY
  - Pleistocene and Recent
    - Qtm — Tidal-marsh deposits
    - Qal — Alluvium
    - Qbs — Beach sand
    - Qfc — Foraminiferal clay. *Shown in section only*
    - Qgs — Glauconitic sand
  - UNCONFORMITY
- TERTIARY
  - Miocene(?) and Pliocene(?)
    - Tch — Cohansey Sand
  - UNCONFORMITY
  - Paleocene
    - Tvt — Vincentown Formation
    - Tht — Hornerstown Sand
  - UNCONFORMITY
- CRETACEOUS
  - Upper Cretaceous
    - Kt — Tinton Sand
    - Krs, Krsh — Red Bank Sand. Krs, *Shrewsbury Member*; Krsh, *Sandy Hook Member*
    - Kns — Navesink Formation
    - UNCONFORMITY
    - Kml — Mount Laurel Sand
    - Kw — Wenonah Formation
    - Kmt — Marshalltown Formation
    - Ket — Englishtown Formation
    - Kwb — Woodbury Clay. *Dark-gray micaceous silty clay. Shown in section only*
    - Kmv — Merchantville Formation. *Dark-gray, silty, glauconitic quartz sand. Shown in section only*
    - Km — Magothy Formation. *Dark- and light-gray intercalated clay and quartz sand. Shown in section only*

Contact — *Long dashed where approximately located; short dashed where indefinite; dotted where concealed*

Fault bounding slump block — *Dashed where approximately located. U, upthrown side; D, downthrown side*

Sand or gravel pit

Auger hole — *Some of the numbered auger holes are described in plate 2*



VERTICAL EXAGGERATION X10

Solid vertical lines are auger holes. The logs for six of the holes are shown on plate 2. Those holes not directly on the line of section are projected horizontally to it

APPROXIMATE MEAN DECLINATION, 1969

GEOLOGIC MAP AND SECTION OF THE SANDY HOOK QUADRANGLE MONMOUTH COUNTY, NEW JERSEY

SCALE 1:24 000

1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

NEW JERSEY — QUADRANGLE LOCATION

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1969—668295