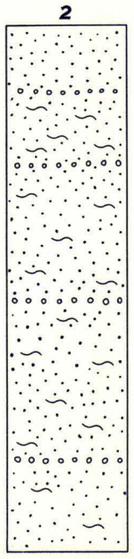
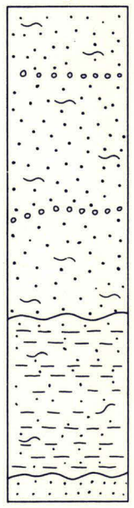
2



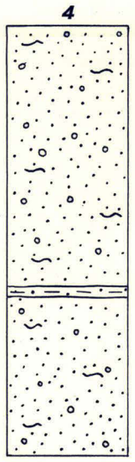
Depth (feet)	
0–162	Beach sand. Yellowish- to greenish-gray fine to very coarse quartzose sand. Contains several percent glauconite as rounded greenish-black botryoidal grains throughout, and pea-size gravel chiefly in layers. Also contains abundant shell fragments. Generally clean and loose.

3



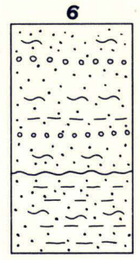
Depth (feet)	
0–95	Beach sand. Yellowish- to greenish-gray medium to very coarse quartzose sand. Contains several percent glauconite as rounded greenish-black botryoidal grains, pea-size pebbles, and shell fragments.
95–143	Foraminiferal clay. Dark-gray fine sandy clay. Contains brown organic matter (rootlets and reed fragments recognizable) and silt- to very fine sand-size glauconite. Strong H_2S odor when fresh. Foraminifera. Radiocarbon age determination 9840 B. P. ±300 years
143–152	Englishtown Formation. Weathered moderate-yellowish-brown fine quartz sand.

4



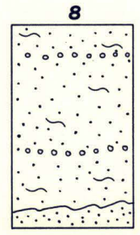
Depth (feet)	
0–80	Beach sand. Yellowish- to greenish-gray medium to very coarse quartzose sand. Contains several percent glauconite as rounded greenish-black botryoidal grains, pea-size pebbles, and shell fragments.
80–82	Foraminiferal clay. Medium-dark-gray clayey fine to very fine glauconitic quartz sand. Foraminifera.
82–132	Beach sand. Like 0–80 feet.

6



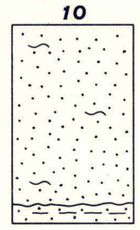
Depth (feet)	
0–47	Beach sand. Yellowish- to greenish-gray fine to very coarse quartzose sand. Contains several percent glauconite as rounded greenish-black botryoidal grains, pea-size pebbles, and shell fragments.
47–72	Foraminiferal clay. Medium-gray clayey fine to very fine glauconitic quartz sand. Abundant Foraminifera.

8



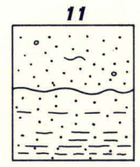
Depth (feet)	
0–57	Beach sand. Yellowish- to greenish-gray fine to very coarse quartzose sand. Contains several percent glauconite as rounded greenish-black botryoidal grains, pea-size pebbles, and shell fragments.
57–62	Mount Laurel Sand. Weathered moderate-yellowish-brown clayey medium quartz sand.

10



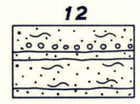
Depth (feet)	
0–55	Beach sand. Yellowish- to greenish-gray fine to very coarse quartzose sand. Contains several percent glauconite as rounded greenish-black botryoidal grains, pea-size pebbles, and shell fragments.
55–62	Foraminiferal clay. Dark-gray organic-rich silty clay. Strong H_2S odor. Foraminifera and small pelecypods.

11



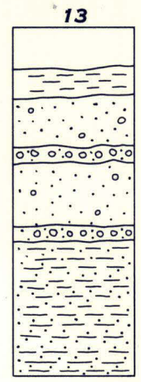
Depth (feet)	
0–20	Glauconitic sand. Greenish-gray medium to coarse glauconitic quartz sand.
20–42	Englishtown Formation. Light-gray fine to medium quartz sand and dark-gray lignitic and pyritic clay layers grading down into mainly clay.

12



Depth (feet)	
0–8	Glauconitic sand. Greenish-gray coarse glauconitic quartz sand; pebble layer at base.
8–10	Wenonah Formation. Dark-gray fine to medium micaceous lignitic glauconitic quartz sand.
10–21	Marshalltown Formation. Greenish-black fine to medium quartz-glauconite sand.
21–22	Englishtown Formation. Dark-gray clay containing laminae of light-gray fine quartz sand. Much pyrite, lignite, and mica, and many glauconite-filled animal borings.

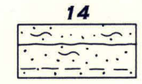
13



Depth (feet)	
0–12	Depth of water at auger hole site.
12–21	Soft bottom mud. Poor recovery.
21–36	Coarse pebbly sand.
36–41	Sand and gravel.
41–61	Coarse pebbly sand.
61–66	Sand and gravel.
66–107	Englishtown Formation. Dark-gray sandy clay; contains abundant lignite and pyrite, some glauconite, green and colorless mica, and yellowish-gray medium sand-size siderite oolites. Sand is light gray very fine to medium and occurs mainly in laminae and partings in the clay. Dark-gray clay at base containing many siderite concretions.

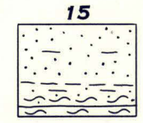
Constituents are river deposits of quartz, quartzite, sandstone, schist, ironstone, and Triassic shale and argillite.

14



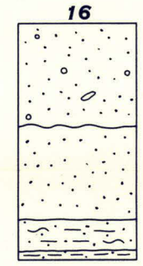
Depth (feet)	
0–7	Tinton Sand. Weathered reddish-brown glauconite sand containing several percent medium to coarse quartz sand.
7–17	Shrewsbury Member of Red Bank Sand. Reddish-brown clayey medium to coarse quartz sand containing several percent glauconite.

15



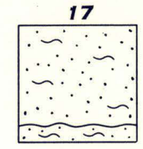
Depth (feet)	
0–25	Sandy Hook Member of Red Bank Sand. Reddish- to grayish-brown, grading down into dark-gray, fine to medium quartz sand; clayey and very glauconitic at base.
25–27	Navesink Formation. Greenish-black medium to coarse glauconite sand.

16



Depth (feet)	
0–32	Slump and talus. Reddish-brown medium to coarse quartzose sand containing pebbles and ironstone fragments.
32–60	Wenonah Formation. Dark-gray fine to medium micaceous quartz sand containing lignite, pyrite, and glauconite.
60–70	Marshalltown Formation. Greenish-black clay and glauconite-quartz sand.
70–72	Englishtown Formation. Dark-gray fine to very fine micaceous quartz sand and sandy clay containing lignite and pyrite.

17



Depth (feet)	
0–30	Glauconitic sand. Yellowish-brown glauconitic quartzose sand containing granules at base.
30–35	Shrewsbury Member of Red Bank Sand. Yellowish-brown fine to medium oxidized glauconitic quartz sand.

LOGS OF SELECTED AUGER HOLES

Number at top of column is keyed to a number on the geologic map (pl. 1). See plate 1 for explanation of lithic symbols

335-423 O - 69 (Inside back cover)