Fill most likely
0-0.2 Black, organic, rich, many roots,
0.2-3 SAND; medium with clay; pebbly – up to 0.5 inch

Pebbles 2.6-2.8; Color 2.5 y 5/3

Cape May Core #1
Start depth: 0 ft
Stop depth: 5 ft
Recovery (ft): 3 ft
Date: 3/16/94
Described by: JVB, KGM, CL
Cape May Core #2
Start depth: 5 ft
Stop depth: 10 ft
Recovery (ft): 0.9 ft
Date: 3/16/94
Described by: JVB, KGM, CL

SAND; medium quartz; becoming gravelly and all granules with clay matrix; at bottom [pebbles may be only on outside]; Color 5 y 4/1
0-2.0 SAND; uniform fine; Color 5 y 4/1
2.0-2.9 CLAY; silty, organic rich; Color 5 y 4/1
2.9-3.2 SAND; clayey fine medium H2S smell; Color 5 y 4/1
3.2-3.7 SAND; clayey fine medium; Color 2.5 5/2

Cape May Core #3
Start depth: 10 ft
Stop depth: 15.7 ft
Recovery (ft): 3.7 ft
Date: 3/16/94
Described by: JVB, KGM, CL
Cape May Core #4
Start depth: 15.7 ft
Stop depth: 20.0 ft
Recovery (ft): 4.4 ft
Date: 3/16/94
Described by: JVB, KGM, CL

0-0.4 SAND; medium clayey sand H2S smell

0.4-2.2 SAND; very watery, clayey sand, coarse to very coarse

2.2-4.4 SAND; clayey fine; Color 2.54 5/2
Cape May Core #5
Start depth: 20 ft
Stop depth: 25 ft
Recovery (ft): 3.5 ft
Date: 3/16/94
Described by: JVB, KGM, CL

SAND; clayey, medium; small percentage of dark mins; H2S smell; Color 5gy 5; uniform core
SAND; medium, clayey; H2S smell

Cape May Core #6
Start depth: 25 ft
Stop depth: 30 ft
Recovery (ft): 0.3 ft
Date: 3/16/94
Described by: JVB, KGM, CL
CLAY; sandy at top grading down to clay; strong H2S smell; dark Gray 5 GY 4/1 above 33.5
30.9 – shells
33.2 – 33.5 gravely sand
33.1 – contact sand and clay
32.3 – 33.1 abundant decayed plant
33.5 – clay below
Gray 5 GY 4/1 below 33.5

Cape May Core #7
Start depth: 30 ft
Stop depth: 35 ft
Recovery (ft): 4.5 ft
Date: 3/16/94
Described by: JVB, KGM, CL
Cape May Core #8
Start depth: 35 ft
Stop depth: 40 ft
Recovery (ft): 3.7 ft
Date: 3/16/94
Described by: JVB, KGM, CL

0 - 2.0 CLAY; dark gray; Color: N4

2.0 - 3.0 SAND; light gray, pebbly; Color: 5 Y 5/1

3.0 - 3.7 CLAY; dark gray; Color: N4
Cape May Core #9
Start depth: 40 ft
Stop depth: 45 ft
Recovery (ft): 4.8 ft
Date: 3/16/94
Described by: JVB, KGM, CL

0 - 0.2 SAND; pebbly; Color: 5Y 5/1
0.2 - 1.6 CLAY; silty; Color: N/4
1.6 - 2.1 SAND; clayey; Color: N/4
2.1 - 3.4 CLAY; silty; Color: N/4
3.4 - 3.9 SAND; clayey; Color: N/4
3.9 - 4.8 CLAY; silty; Color: N/4; strong H2S smell in whole core
Cape May Core #10
Start depth: 45 ft
Stop depth: 50 ft
Recovery (ft): 3.8 ft
Date: 3/16/94
Described by: JVB, KGM, CL

0 - 1.1 CLAY; dark gray; Color: 4N

1.1- 1.7 SAND; pebbly; pebbles well rounded, largest ~ 0.7 cm; Color: 5 Y 5/11

1.7 - 3.8 CLAY; dark gray with little silt; Color: 4N
Cape May Core #11
Start depth: 50 ft
Stop depth: 55 ft
Recovery (ft): 4.4 ft
Date: 3/16/94
Described by: JVB, KGM, CL

0 - 4.4: CLAY; dark gray, with little silt; Color: 4N
Cape May Core #12
Start depth: 55 ft
Stop depth: 60 ft
Recovery (ft): 3.35 ft
Date: 3/18/94
Described by: JVB, KGM, CL

CLAY; mud to fine/very fine sandy clay; small amount of mica, core shines; lots of silt with clay; small shell fragments at 56.3 ft; massive no sedimentary structures;
Color: 5 GY 4/1
Cape May Core #13
Start depth: 60 ft
Stop depth: 65 ft
Recovery (ft): 4.7 ft
Date: 3/18/94
Described by: JVB, KGM, CL

SAND; fine to very fine with small amount of silt and less clay; this core is coarser than the piece above; small amount of mica (less than above), mostly quartz

1.5 - 1.8 SILT; mostly with very fine sand, pebbles on outside of core do not go through; otherwise uniform core; Color: 5 GY 4/1

3.2 - 3.5: CLAY; almost no grit, also finer grained from
Cape May Core #14
Start depth: 65 ft
Stop depth: 70 ft
Recovery (ft): 2.3 ft
Date: 3/18/94
Described by: JVB, KGM, CL

0 - 0.9 SILT; clayey with small amount of very fine sand, some mica; several quartz (about 12) pebbles on outside of core only

0.9 - 2.0 CLAY; hard, virtually no grit at all, some mica flecks seen

2.0 - 2.3 CLAY; mostly but poorly sorted, contains medium quartz sand; no other sedimentary structures noted, massive; Color: 5 GY 4/1
Cape May Core #15
Start depth: 70 ft
Stop depth: 75 ft
Recovery (ft): 5.25 ft
Date: 3/18/94
Described by: JVB, KGM, CL

0 - 0.4 CLAY; poorly sorted with medium sand

0.4 - 2.2 CLAY; laminated, virtually no grit, there seems to be alternating dark and light bands

2.2 - 2.5 CLAY; medium to coarse quartz; clay matrix; a few granule and pebbles
2.5 - 4.2 CLAY; same as above; small amount of silt, dark and light banding contains thin sand lenses (<.05 ft thick)

4.2 - 5.25 SAND; poorly sorted medium sand with clay matrix mostly quartz – some dark minerals; little mica in core; Color: 5 GY 5/1
Cape May Core #16
Start depth: 75 ft
Stop depth: 80 ft
Recovery (ft): 2.35 ft
Date: 3/18/94
Described by: JVB, KGM, CL

SAND; medium quartz with a few percent dark minerals; massive

CLAY; from 1.4 to 1.5 there is an increase; this core has little clay and is different from above (probable contact between); Color: 5 GY 4/1

2.35 ft
Cape May Core #17
Start depth: 80 ft
Stop depth: 83 ft
Recovery (ft): 3.7 ft
Date: 3/18/94
Described by: JVB, KGM, CL

0 - 2.6 SAND; massive medium with 75% dark mins mostly quartz, small percent of clay/silt, noticeably finer between

1.2 - 1.3 SAND; some grains are coarse sand size

2.6 - 3.7 SAND; medium; clay content increases quickly at bottom of core, sandy clay; possible surface at 2.6; shell hash becomes abundant (no shells above); percent of darks increases down core still mostly quartz; Color: 5 GY 4/1

Note: the extra footage in this and next core (83-85 ft) probably is from above.
Note: Camera was malfunctioning the advance did not work right so I changed film.
0 - 1.5 - SAND; medium, small amount of mud matrix

1.5 - 2.8 SAND; amount of shell material increases, shell bed (>50% shell at 1.9); very thin some granules; bivalves at bottom; Color 5 GY 4/1

Note: this core and last should be bottom justified here at 85 ft

Cape May Core #18
Start depth: 83 ft
Stop depth: 85 ft
Recovery (ft): 2.8 ft
Date: 3/18/94
Described by: JVB, KGM, CL
Cape May Core #19
Start depth: 85 ft
Stop depth: 90 ft
Recovery (ft): 2 ft
Date: 3/19/94
Described by: JVB, KGM, CL

SAND: medium quartz sand some granules; very little clay scattered shell hash becomes slightly finer at bottom of core; Color 5 gy 4/1
Cape May Core #20
Start depth: 90 ft
Stop depth: 95 ft
Recovery (ft): 5 ft
Date: 3/19/94
Described by: JVB, KGM, CL

CLAY; uniform core/beautiful recovery; major lithologic change between this & upper core; greenish gray, almost no grit; mica flecks occasionally visible; some shells and pebbles (granules) are visible on outside only especially at top; Color - 5 gy 4/1 (Not same as above)
Cape May Core #21
Start depth: 95 ft
Stop depth: 100 ft
Recovery (ft): 4.7 ft
Date: 3/19/94
Described by: JVB, KGM, CL

CLAY; upper 2 feet ~ disturbed; occasional shell material on outside; not much grit same as above; 5 gy 4/1 greenish gray
Cape May Core #22
Start depth: 100 ft
Stop depth: 105 ft
Recovery (ft): 4.8 ft
Date: 3/19/94
Described by: JVB, KGM, CL

CLAY; uniform greenish gray; 5 gy 4/1 same as above
Cape May Core #23
Start depth: 105 ft
Stop depth: 110 ft
Recovery (ft): 4.7 ft
Date: 3/19/94
Described by: JVB, KGM, CL

Upper 1.1 ft disturbed

CLAY; fairly uniform greenish gray with occasional quartz pebble; minor shell debris at 1.0 ft

Well-defined zone of organic & lignite at 3.9-4.1 ft.; 5 gy 4/1 throughout
Cape May Core #24
Start depth: 110 ft
Stop depth: 115 ft
Recovery (ft): 5.4 ft
Date: 3/19/94
Described by: JVB, KGM, CL

CLAY; very thin lignite/organic laminations and clay laminations throughout; dark gray-greenish gray; 5 gy 4/1-3/1

CLAY; prominent laminations at 3 ft. - 5.4 ft. at 10 cm intervals
Cape May Core #25
Start depth: 115 ft
Stop depth: 120 ft
Recovery (ft): 5 ft
Date: 3/19/94
Described by: JVB, KGM, CL

CLAY: dark gray-greenish gray

CLAY: lignite & clay laminations (very thin) throughout; 1 cm thick silty clay bed at 3.15 feet; remarkably uniform, though laminated 5 gy 3/1-4/1
Cape May Core #26
Start depth: 120 ft
Stop depth: 125 ft
Recovery (ft): 5.35 ft
Date: 3/19/94
Described by: JVB, KGM, CL

CLAY; dark gray-greenish gray; very little, if any grit; very fine silty/sandy clay laminations; slightly micaceous laminations ~ 1mm; drilling picks out laminations; Color 5 gy 3/1-4/1; dark gray-greenish gray;
Environments:
Estuarine – most likely
Lagoon/bay
Prodelta – maybe based on micas not tower shore face too muddy
CLAY; uniform, very finely laminated, sand laminations with occasional pebbles in the laminations; rare micas; Color 5 gy 3/1 - 4/1
CLAY; finely laminated dark gray clay to 0.6', then a coarse sand bed with pebbles (quartz and feldspar) about 2 cm thick, then medium sand bed at 2.05' (1cm); major contact at 2.95 ft with gravels grading down to medium quartz sand; 5 GY 4/1 = clays above; 5 GY 6/1 = sands; plug of dark brown sandy clay at contact.
Cape May Core #29
Start depth: 135 ft
Stop depth: 140 ft
Recovery (ft): 4.4 ft
Date: 3/19/94
Described by: JVB, KGM, CL

0-0.2' CLAY: sandy, dark gray; with pebbles washed in (?)
0.2-0.3' CLAY: organics - rich sandy clay; * contact
0.3-1.8 SAND: medium fine quartz

1.8-2.1 GRAVEL: poorly sorted gravel bed, *contact

2.1-3.4 CLAY: gritty dark gray

3.4-4.4 CLAY: with gravels; 5 gy 4/1 = clays; N5/-N6/ gay to dark gray = sand and gravels between 0.3 -2.1
Cape May Core #30
Start depth: 140 ft
Stop depth: 145 ft
Recovery (ft): 2.7 ft
Date: 3/19/94
Described by: JVB, KGM, CL

0-0.4 CLAY; with sand and pebbles (?quartz), *contact

0.4-2.7 SAND; medium to fine sand; a fairly clean sand with two plugs of light brown sandy clay at 1.35 and 2.15 ft
Cape May Core #31
Start depth: 145 ft
Stop depth: 147 ft
Recovery (ft): 2.0 ft
Date: 3/19/94
Described by: JVB, KGM, CL

SAND; medium - fine quartz sand; medium gray; slightly coarsening downwards; N5/-N6 Gray, dark gray
Cape May Core #32
Start depth: 147 ft
Stop depth: 150 ft
Recovery (ft): 2.7 ft
Date: 3/19/94
Described by: JVB, KGM, CL

SAND; fairly uniform medium sands with occasional quartz pebbles; bleb of organic matter at 1.1; N5° to N6° same as above
Cape May Core #33  
Start depth: 150 ft  
Stop depth: 155 ft  
Recovery (ft): 2.3 ft  
Date: 3/19/94  
Described by: JVB, KGM, CL  

Disturbed to 1.5'  
0-1.5 SAND; medium gray fine to medium sand  

1.5-1.9 CLAY; fine sandy clay with occasional pebble  

1.9-2.3 SAND; return to sands, disturbed; Color = N3/ to N4/ dark to very dark gray  

2.3 ft
Cape May Core #34
Start depth: 155 ft
Stop depth: 160 ft
Recovery (ft): 2.4 ft
Date: 3/20/94
Described by: JVB, KGM, CL

SAND; upper medium to lower coarse; quartz sand with very minor pebbles here and there; lignite and/or organic rich material between 1.3-1.6 and 2.05-2.4 ft; Color sands N5/-N6/ gray - dark gray; lignite 10R 2.5/1 reddish black
Cape May Core #35
Start depth: 160 ft
Stop depth: 165 ft
Recovery (ft): 4.7 ft
Date: 3/20/94
Described by: JVB, KGM, CL

SAND; dark gray, very uniform, muddy organic-rich upper medium sand; appears to be lignite or peat material; no lamina or zones of organics noticeable; just a muddy sand; Color N3/ to N2.5/ very dark gray - black
Same as above, very organic rich at base 2.0 – 2.3; N3/ to N2.5/
SAND; dark gray, very uniform, muddy organic - rich m-U sand appears to be lignite
or peat material; no laminal or zones of organics noticeable just a muddy sand;
Color N3/ to N2.5/ very dark gray - black
Cape May Core #37
Start depth: 170 ft
Stop depth: 175 ft
Recovery (ft): 4.1 ft
Date: 3/20/94
Described by: JVB, KGM, CL

SAND; slightly coring disturbance, very organic rich, m-U muddy sand like the base of above run; slightly redder in hue; uniform; N2.5/ to 10R 2.5/1 black to reddish black
SAND; slight core disturbance muddy, m-U - m-L sand. Note reddish hue visible best in sunlight; outdoor photo; organics not as noticeable in this one N2.5/ to 10R2.5/ as above.
SAND; fining upward sequence; M-U quartz sand to cL sand at base; muddy throughout, with black mica flakes; gradual color change; Reddish black to dark gray 10R 2.5/1 0 – 1.0 (roughly); 2.5Y 4/1 1.0- 3.4

Cape May Core #39
Start depth: 180 ft
Stop depth: 185 ft
Recovery (ft): 3.4 ft
Date: 3/20/94
Described by: JVB, KGM, CL
Cape May Core #40
Start depth: 185 ft
Stop depth: 190 ft
Recovery (ft): 0.4 ft
Date: 3/20/94
Described by: JVB, KGM, CL

SAND; most of core lost (washed out); same as above; 2.5 y 4/1; L sand, muddy with mica; Dark gray

0.4 ft
Cape May Core #41
Start depth: 190 ft
Stop depth: 195 ft
Recovery (ft): 5.0 ft
Date: 3/20/94
Described by: JVB, KGM, CL

SAND; very uniform medim to coarse; only slightly muddy, mica less prevalent
some dark banding at 3.1 and 3.3 ft; 2.5 y 4/1 dark gray, 2.5 y 3/1-2.5/1 = bands
black- very dark gray
Cape May Core #42
Start depth: 195 ft
Stop depth: 200 ft
Recovery (ft): 4.5 ft
Date: 3/20/94
Described by: JVB, KGM, CL

0 - 1.1 SAND; muddy, medium to coarse

1.1 - 4.5 SAND; coarse to very coarse; very uniform; pebbles - clear quartz and black spar appear beginning at 2.5 ft; 2.5y 4/1 dark gray
Cape May Core #43
Start depth: 200 ft
Stop depth: 205 ft
Recovery (ft): 5.0 ft
Date: 3/20/94
Described by: JVB, KGM, CL

0 - 0.5 SAND; fine to medium muddy sand grading to medium to coarse sand

0.5 - 0.6 SAND; 2 distinct clay layers bounding a fine sand
0.6 - 3.1 CLAY; alternations of fine muddy sand and medium to coarse pebbly sand with dark gray sandy clay at 1.3-1.4 ft; note: organic matter at 1.0 ft

SAND; the pebbly coarse sands are at: 1.1-1.2, 1.7-1.8, 2.1-2.2, 3.0-3.1 ft

3.1 - 3.2 CLAY; dark gray, distinct layer
3.2 - 5.0 SAND; fining upward sequence medium to fine muddy sand grading to medium to coarse muddy sand with occasional pebbles in lower 1 ft (4-5)

5.0 ft
0-3.6 SAND; medium to coarse; muddy sands with less prominent sandy clay bands at 0.6-0.7 and 1.6-1.7 ft

2-3.6 gradual increase in quartz and opaque pebbles; 2.5 y 4/1 dark gray

3.6-4 SAND; fine sand, muddy: quickly grading to a firm sandy clay; 2.5 y 2.5/1 black

Cape May Core #44
Start depth: 205 ft
Stop depth: 210 ft
Recovery (ft): 4.0 ft
Date: 3/20/94
Described by: JVB, KGM, CL
0-0.4 CLAY; fine sandy clay as above

0.4-4.9 SAND; fine medium, muddy sand grading to very fine to fine muddy sand; dark gray 2.5 y 4/1

CLAY; slightly clay rich band at 1.8-1.9 ft (very subtle); and quartz pebbles occur at 1.4-1.6 ft (not washed in)

Cape May Core #45
Start depth: 210 ft
Stop depth: 215 ft
Recovery (ft): 4.9 ft
Date: 3/20/94
Described by: JVB, KGM, CL
Cape May Core #46
Start depth: 215 ft
Stop depth: 220 ft
Recovery (ft): 4.9 ft
Date: 3/20/94
Described by: JVB, KGM, CL

SAND; fine to very fine muddy; fairly uniform, some drilling disturbance; mica flakes distributed here and there; 2.5 y 4/1, dark gray
Cape May Core #47
Start depth: 220 ft
Stop depth: 225 ft
Recovery (ft): 5.0 ft
Date: 3/20/94
Described by: JVB, KGM, CL

SAND; fine; muddy; grading down just slightly to medium muddy sand; occasional quartz pebbles at base; 2.5 y 4/1
SAND; medium; quartz sand; some mud, not a lot; mica flecks obvious on outside, quartz is well sorted/rounded; very few darks; N4/ dark gray

Cape May Core #48
Start depth: 225 ft
Stop depth: 230 ft
Recovery (ft): 3.5 ft
Date: 3/21/94
Described by: JVB
SAND; fine to very fine; core mostly qtz - small (5%), amount darks, mica flecks throughout; well rounded and sorted some mud to bind things up; no sedimentary structures - completely massive; recovery in this interval has been excellent; facies no evidence - homogeneous sand; no fossils, mica - ? - delta; N4/ dark gray
SAND; upper part is medium quartz sand with few dark minerals; it fines to very fine sandy silt at the bottom, some mica flecks all along; completely massive; small % of darks; N4/, dark gray

Cape May Core #50
Start depth: 235 ft
Stop depth: 240 ft
Recovery (ft): 4.7 ft
Date: 3/21/94
Described by: JVB, KGM, CL