

Ph21-1

RECEIVED

DRILL LOG - HOLE NO. Ph-5

JUN 10 1975

County: Sussex  
Quad: Fairmount  
Elev: 36 feet ASL

LAT: 38° 37' DELAWARE GEOLOGICAL  
LONG: 75° 14' 30" SURVEY  
Drilled: April 29, 1975  
T.D.: 74.5 feet

<u>Depth in Feet</u>		<u>Description</u>
<u>From</u>	<u>To</u>	
0	4.5	Sand, light tan, coarse to fine, poorly sorted, sub-rounded to rounded
4.5	9.5	Sand, tan, fine to medium, poorly sorted, slightly more angular than above; possible clay lens in middle of run.
9.5	13.5	Sand, light gray, fine, slightly argillaceous, well-rounded; water table at 10-12 feet below surface
13.5	14.5	Clay, sandy, light greenish-gray with buff mottling
14.5	19.5	Sand, light gray, fine to vf, well-sorted and well-rounded, isolated flat rounded pebbles, occ. grit.
19.5	29.5	Sand, light tan-gray, f-m, poorly sorted, increasing pebbles and grit; picking up occ. coarse black chert or rock fragments
29.5	34.5	Sand, tan, f-vf, well-sorted, predom. well-rounded w/minor sub-angular grains
34.5	39.5	Sand, as above except distinct color change to buff-orange
39.5	44.5	Same as above except picking up occ. quartz grit
44.5	49.5	Sand, tan to orange, med to c, poorly sorted with interstitial silt; strong Fe oxide staining 49-49.5; predom. well-rounded grains
49.5	54.5	Sand, tan-gray, f-m, mod well-sorted, grains range from well-rounded to very angular; occ. sub-rounded pebbles up to 1/4"

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<u>Depth in Feet</u>		<u>Description</u>
<u>From</u>	<u>To</u>	
54.5	59.5	Sand, tan-orange, f-c, poorly sorted, better rounding than above
59.5	64.5	Same as above except section becoming gritty
64.5	69.5	Sand, gray-brown, m-c, poorly sorted, interstitial silt; looks fluvial
69.5	74.5	Sand and grit, deep rusty yellow, occ pebs, mod well-rounded; looks fluvial