

DRILL LOG - HOLE NO. PH-17 (Ph 43-1)

County: Sussex
 Quad: Fairmount
 Elev: 20' ASL
 Driller: Josh Williams
 Logger: L. Kearns

LAT:
 LONG:
 Drilled: Week of 9/3-9/5
 T.D.:
 Drill Method: Auger
 Sample Method: Auger flight

Depth in Feet

<u>From</u>	<u>To</u>	<u>Description</u>
0	1	Sand; dark to medium brown; medium, poorly sorted, angular-subangular
1	6	Sand; med. tan; medium-coarse, poorly sorted, subangular, occasional granules;
6	17	Sand; med. tan; medium-fine, (stiff) silty; occasional coarse sand grain, rare pebble, poorly sorted, subangular.
17	21	Sand, med. tan; medium-coarse, not as silty, coarsening slightly downward, occasional granules and small pebbles sorting poor, subangular.
21	23	Sand, same as above except coarse and very coarse H.M. declining in the coarse material.
23	31	Sand, med-tan; fine to medium, poorly sorted, subangular, silty. Coarse sand and gravel layer (1/4") at 28' and returns to same.
31	50	Sand, med-tan; coarse to very coarse, poorly sorted, subangular and angular, occasional granule and small pebble, medium brown silt and fine sand band at 35' (1/2") At least by 41 feet color changes gradually downward to a dark tan or light brown, occasional silt pod (med-Dark Brown) between 43-45'. From 45-50' pebbles (mostly quartzose) are more numerous and larger (1 cm and 2 cm size).
50	55	Sand, med. tan, med-fine sand, very silty with many large pebbles (1-2 cm), occasional coarse sand and granule, sorting poor, granules and coarse sand (subangular pebbles) mostly quartzose + chert, rounded to subangular.

DRILL LOG - HOLE NO. PH-17 (CONT'D.)

<u>From</u>	<u>To</u>	<u>Description</u>
55	57	Sand; mottled-med tan and greenish gray; medium-fine, silty, moderately sorted.
57	57½	Silt and Clay, moderately sorted; mottled silt orange and med. gray Clay, silty.
57½	58½	Sand, greenish gray, medium-fine, silty, moderately sorted.
58½	60	Sand, medium gray, medium-coarse, poorly sorted, subangular, occasional granule (subangular quartzose), and small pebble.
? possible Miocene	55'	
fines upward	0 -23	