

Sample Description For Virginia Beach Geoprobe Site 62D 14

Depth	Lithology	Recovery	Description
0-4		60	Overburden to 2 ft. 2 - 3.5 ft is a tan, fine to med sand. 3.5 - 4 ft is a tan, poorly sorted, med to coarse sand.
4-8		25	Saturated zone, but depth not able to be determined. Most of sample fell out of the liner. Material remaining is similar to the last interval, but v fine to fine, subrounded pebbles are also present.
8-14			
14-18		75	Tan, poorly sorted, coarse to med pebbly sand.
18-20			
20-23		100+	Poorly sorted, pebbly, med to coarse sand. Abundant dark minerals. Flowing sand. Over 4 ft of sand collected in a 3 foot push.
23-36			Driller Note: Switch to 2 ft sampler. Difficult drilling from 20 ft to 36 ft. Some zones slightly easier. Possible change in lithology 25-30 ft.
36-38		50	Tan, silty, pebbly, v fine to fine sand. Some lenses of shell frags. Abundant dark minerals. Trace of mica. Sample was v wet - the other half of the sample probably fell out. A small plug of silt was in the shoe which helped retain what we recovered.
38-44			Driller Note: Several 0.5 ft beds of softer drilling encountered between 40 and 42 ft.
44-46		100	Gray, silty, fine to v fine sand to v fine to fine sandy silt. Slightly plastic to plastic texture. Dark minerals are scarce. Trace of mica. No shell. Siltiest material is a plug from 45.8 - 46 ft.

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46-60			Driller Note: Very soft, easy drilling from ~45 - 60 ft. Generally just pushing or light hammering required. Occasional firmer beds. Pushing for 60 - 62 ft seemed a bit harder than the 45 - 60 ft interval.
60-62		50	60 - 61.5 ft (where solid enough to handle) is a gray silty sand or sandy silt. Most of this portion of the sample was very fluid and drained out the end of the liner upon retrieval. From 61.5 - 62 ft is a gray, rather dry, v fine to med sand w/ traces of mica and abundant dark minerals. The
62-67			Driller Note: Drilling significantly more difficult beginning at 61 ft and continuing through 64 ft. At 64 ft drilling became even more difficult. By 67 ft we were nearly stopped.
67-68.5		100	Tan, fine to coarse pebbly, fine to v coarse sand. Pebbles are angular to subrounded. Uncommon dark minerals.