

Sample Description For Virginia Beach Geoprobe Site 62C 17

Depth	Lithology	Recovery	Description
0-4		95	Tan, sandy surficial deposit. It is likely that this is fill -- we are adjacent to an engineered ditch. At 2.6 ft, changes to a silty clay / clayey silt w/ abundant large wood frags. Clayey unit changes color from tan to gray at 3.5 ft.
4-8		100	The gray clayey unit from the last interval continues to 6 ft in this sample. Occasional tan lenses of sandier material are present. At 6 ft, the material changes to a brown, clayey peat w/ large wood frags, leaf, and grass litter. This surface probably represents the original land surface prior to filling.
8-12		100	Upper 2 ft is similar to the clayey peat above. Near 10 ft, the grass frags disappear and the material becomes a bit sandier. 10-11 ft is a transitional zone between the peaty upper zone and a sandy lower zone. At 11 ft, the material is a brownish-gray, coarse to v coarse sand that fines down to a med to coarse sand at 11.5 ft. At 11.5 ft the material is a med sand. The shoe sample is a gray, clean, rounded to well rounded med sand. It is saturated and has a trace of DMs, coarse to v coarse sand, and pink and white colored grains.
12-16			Driller Note: Easy driving from 12-20 ft.
16-20		100	Much free water in liner. Upper zone is a 0.3 ft plug of gray, slightly plastic, silty v fine to fine sand. Below this is a zone of silty fine sand w/ mica and DM common.
20-22			Driller Note: Switch to 2 ft sampler.
22-24		70	Upper zone is a gray, poorly sorted, med to coarse sand w/ abundant med sand-sized to v fine pebble-sized shell frags. Mica, DM, and wood frags common. This bed is underlain by a sandy, pebbly layer w/ large shell frags (up to 15mm) and well rounded fine pebbles. Around 23 ft, the
24-28			Driller Note: 24-27 ft was similar to bottom of last sample. At 27 ft, drilling became very easy.
28-30		50	Either 1/2 of the sample fell out or it was too soft to collect. Material collected is a gray, v saturated, slightly silty, subangular to rounded, fine sand w/ abundant DM, common mica, v rare med-grained colored minerals. Material is very slightly plastic.
30-36			
36-38		80	Gray, clean, subrounded to rounded, med sand w/ DM common in the upper portion and mica common throughout. Much free water in liner. The lower portion has zones of tannish-orange and is slightly silty. White, gray, and orangish-pink grains are uncommon. The tannish-orange color is
38-43			Driller Note: Slightly harder drilling at 42 ft.
43-45		75	Similar to lower zone of last sample. The core is gray overall, but has stringers of orange running through it. The core was gray upon retrieval, but quickly turned brown. The gray material is slightly finer than the orange, but it doesn't seem enough to cause the abrupt difference in oxidation.
45-49.5			At 47.5 driving became much more difficult. 49.5-50.5 required moderate hammering and 50.5-51 required very hard hammering.

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49.5-51	 	60	Liner shattered during retrieval. I was able to salvage important and interesting portion of the sample in jars. The upper zone to 50.3 is a tan,
51-52.5		Not noted	Clean, subrounded, v coarse, sand w/ v fine pebbles and pink and white grains are uncommon.