

Sample Description For Virginia Beach Geoprobe Site 62A 20

Depth	Lithology	Recovery	Description
0-4		95+	Light grayish brown, clean, subangular to rounded, med sand. DM uncommon.
4-8		85+	4-5.3 ft: same as above. 5.3-5.7 ft: color changes to orangish-tan and gradually blends to gray by 6.0 ft. Saturation at 6.0 ft. Material same from 6-8 ft, although there are more colored grains and DM.
8-12		90+	Removed upper 0.9 ft of liner (0.3 ft of sample) to retrieve drive point. Material is a gray, clean, subrounded to well rounded, upper med to lower coarse sand. DM and colored grains are scarce. Much water. Slightly finer grained by 12 ft.
12-15.5		80+	12-13.5 ft: grayish-tan, clean, subangular to well rounded, lower med qtz sand. DM common. Mica and colored grains scarce. 13.5-15.5 ft: tannish-gray, upper fine sand. Mica and DM common. A few silty lenses are interfingering. SC = 206 μ S/cm.
16-20		85+	Upper 0.2 ft of sample removed to retrieve drive point. Material is a dark gray, clean, subrounded to well rounded, lower to med coarse sand. DM common. Colored grains scarce. Colored grains are more common by 20 ft and the qtz sand grains are more uniformly med coarse.. Much water (drained out of liner). Good Aquifer.
20-23.5		100	Upper 0.2 ft of sample removed to retrieve drive point. Upper zone is a clean, well rounded, med qtz sand. DM uncommon. Colored grains scarce. Around 22 ft, the material changes to a subrounded, upper med to lower coarse qtz sand. The drive shoe contained a v fine to fine sandy silt. DM and colored grains more common than upper zone. Much water. 2 drill flights of water.
24-28		<50	Liner shattered during recovery. Collected jar samples. 24-24.5 ft: v fine to fine sandy, clayey, silt. Mica common. 24.5-26 ft: unknown. 26ft: shelly, pebbly, silty, poorly sorted, med to v coarse sand. Shell frags and pebble up to 10mm. 26.5-27.5 ft: poorly sorted, med to coarse sand. Mica, colored grains, and DM common. Med to coarse sand-sized shell frags common. 28 ft: similar to 26.5-27.5 ft, but shell frags are larger (up
28-32			Driller Note: Same driving as 25-28 ft.
32-33.5		100	Upper 0.6 ft of liner split during retrieval and was cut off. Material is uniform throughout interval. Gray, upper fine to lower med sand. DM and med
33.5-40			Driller Note: Easier hammering at 39 ft.
40-42		100	Fine sandy, v shelly, clayey to silty clayey silt. Some intervals are a bit sandier and have more fluid. Shells up to 10-15 mm present.
42-51			Driller Note: Driving became considerably more difficult at 42.5 ft and extremely difficult by 48 ft (nearly stopped). Became slightly easier by 50 ft and nearly stopped again at 51 ft.

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51-52		100+	Cut off upper 1.3 ft of liner and sample because it was mangled during retrieval from core barrel. Material is a clean, angular to rounded, v fine to
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