

OWNER: York River Yacht Haven (H. Gray)
DRILLER: Sydnor Pump & Well Company, Inc.
COUNTY: Gloucester (Gloucester)

VDMR: 1615
WWCR: 78
TOTAL DEPTH: 123

GEOLOGIC LOG

Depth in feet

COLUMBIA GROUP (0-10)

0 - 10 Sand — orange-brown, moderately argillaceous (ferrigenous clay); a few shell fragments and small pebbles; fine- to very coarse-grained, fairly well-sorted (skewed fine), angular to subrounded (coarsest material is rounded); clear- to yellowish quartz, moderate amounts of poorly-decomposed feldspar and fine-grained magnetite; local cementation by iron-oxides; trace of chert; a few plant fragments.

YORKTOWN FORMATION (10 - 120)

10 - 20 Sand — greenish-brown, very argillaceous; very fine- to medium-grained, fairly well-sorted, angular to subangular; abundant, fine-grained magnetite; scattered grains of platy phosphorite; about 10% chalky shell debris.

20 - 30 Sand — gray, very argillaceous; fine- to medium-grained, fairly well-sorted, angular to slightly subrounded; very slightly-glauconitic; about 10% pelecypod shell fragments and a few echinoid spines and foraminifers.

30 - 40 " slightly glauconitic (about 5%)

40 - 50 Sand — gray, moderately argillaceous; fine- to medium-grained, well sorted, angular to subangular; about 10% glauconite; about 5% shell fragments; a very few foraminifers

50 - 60 " light gray, very argillaceous (clay fraction consists of very finely divided shell material); about 5% glauconite.

60 - 70 " "

70 - 80 " "

80 - 90 " "

90 - 100 " "

100 - 110 " "

110 - 120 " "

120 - 123 No sample

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0 - 10	Columbia Group	Pliocene-Pleistocene
10 - 120	Yorktown Formation	Miocene

Virginia Division of Mineral Resources
Robert H. Teifke - Geologist
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