

OWNER: Gloucester Sanitary District #2, Well #1  
DRILLER: Sydnor Hydrodynamics, Inc.  
COUNTY: Gloucester (Gloucester Point)

VDMR: 2159  
WWCR: 79  
TOTAL DEPTH: 130'

GEOLOGIC LOG

Depth in  
feet

COLUMBIA GROUP (0-35')

- 0-15 Sand — trace of clay; fine- to coarse-grained, moderately sorted, angular to subrounded; slightly feldspathic; iron-oxide staining common
- 15-25 " medium- to very coarse-grained, a few shell fragments (mostly bryozoans)
- 25-35 Sand — brown, trace of clay, trace of shell; coarse- to very coarse-grained, well-sorted, subrounded; slightly feldspathic; iron-oxide staining common

YORKTOWN FORMATION (35-130')

- 35-45 Sand — gray, very-slightly clayey, 25% pelecypod shell fragments; fine- to coarse-grained, rather poorly-sorted, angular to rounded; very-slightly glauconitic; minor amount of feldspar
- 45-55 " medium-grained, fairly well-sorted, subrounded
- 55-65 Sand and Shell — gray, moderately clayey; 50% well-sorted pelecypod shell fragments, 50% fine- to coarse-grained, moderately-sorted sand; slightly to moderately glauconitic
- 65-75 " moderately glauconitic
- 75-85 Sand and Shell — gray, slightly clayey; 30% pelecypod shell fragments; 70% medium-grained, well-sorted, subangular-to-rounded sand; slightly glauconitic
- 85-95 " medium- to coarse-grained
- 95-105 Shell — gray, slightly clayey; 10% sand; 90% well-sorted pelecypod shell fragments and a few Turritella; sand is fine, well-sorted, angular; trace of glauconite

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#2160

- 105-115 Sand — greenish-gray, moderately clayey, 15-20% shell fragments; fine-grained, very well-sorted, angular to subangular; trace of glauconite; a few echinoid spines and foraminifers
- 115-125 Sand — greenish-gray, clayey, 20-25% pelecypod shell fragments; fine-grained, well-sorted, angular; traces of glauconite and muscovite; a few echinoid spines and foraminifers
- 125-130 "

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-35'	Columbia Group	Pleistocene
35-130'	Yorktown Formation	Late Miocene

Virginia Division of Mineral Resources  
Robert H. Teifke, Geologist  
April 4, 1968