

OWNER: U. S. Navy (Northwest Well #2A)
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Norfolk (Northwest)

VDMR 2084
WWCR 162
TOTAL DEPTH: 118'

GEOLOGIC LOG

Depth in feet

COLUMBIA GROUP (0-40')

- 0-10 Sand - pale-tan, clean; medium-grained, well-sorted, subrounded to rounded, with 3-5% well-rounded and frosted grains; clear quartz; very-slightly feldspathic; accessory garnet, epidote, tourmaline and rutile
- 10-20 " "
- 20-30 Sand - light-gray, clean; fine- to medium-grained, fairly well-sorted, subangular to rounded; clear to frosted quartz; trace of feldspar
- 30-40 Sand - medium-gray, trace of clay; coarse-grained, fairly well-sorted, subrounded to well-rounded; locally organic

YORKTOWN FORMATION (40-118')

- 40-50 Sand and Shell - gray, clean; 70% medium- to coarse-grained, well-sorted, subrounded to rounded quartz; 30% pelecypod shell fragments (1-4 mm)
- 50-60 " "
- 60-70 Sand and Shell - gray, trace of clay; 45% fine- to medium-grained, well-sorted quartz sand; 45% pelecypod shell fragments (2-8 mm); 10% coarse- to very-coarse, rounded to well-rounded quartz grains
- 70-80 " "
- 80-90 " shell material consists of pelecypods, gastropods, echinoid spines and plates, and bryozoans; foraminifers common (mostly miliolids); a few ostracods
- 90-100 Shell - gray, clean; 25-30% fine- to medium-grained, fairly well-sorted quartz sand; mostly pelecypod fragments; foraminifers and ostracods fairly abundant

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#2084

100-110 Shell - gray, clean; 25-30% fine- to medium-grained,
 fairly well-sorted quartz sand; mostly pelecypod
 fragments; foraminifers and ostracods fairly
 abundant; very foraminiferal; ostracods abundant

110-118 "

GEOLOGIC SUMMARY

	<u>Rock Name</u>	<u>Age</u>
0- 40	Columbia Group	Pleistocene
40-118	Yorktown Formation	Late Miocene

Virginia Division of Mineral Resources
Robert H. Teifke, Geologist
January 22, 1968