

OWNER: U. S. Coast Guard
DRILLER: Douglas & Dickinson, Inc.
COUNTY: Mathews (Gwynn Island)

VDMR: 2149
WWCR: 55
TOTAL DEPTH: 136'

GEOLOGIC LOG

Depth in
feet

COLUMBIA GROUP (0-10')

0-10 Sand — abundant matrix of gray and orange-brown clays, a few quartz pebbles and fragments of ferricrete; fine- to medium-grained, moderately sorted, angular to subangular; clear and iron-stained quartz, minor feldspar, and a trace of magnetite

YORKTOWN FORMATION (10-136')

10-21 Clay — dark greenish-gray, sandy, 5-10% chalky pelecypod shell fragments; sand is fine- to medium-grained, fairly well-sorted, angular to subangular; traces of magnetite, and feldspar

21-31 "

31-42 Clay — dark-gray, slightly sandy, abundant carbonaceous material and plant fragments

42-52 "

52-63 Sand — abundant matrix of greenish-gray clay; fine- to medium-grained, fairly well-sorted, angular; slightly feldspathic; trace of magnetite

63-73 Sand — brownish-gray, slightly- to moderately-clayey, 5% pelecypod shell fragments; fine- to coarse-grained, fairly well-sorted (skewed fine), angular to subrounded; slightly feldspathic in coarse fraction; traces of magnetite and reworked glauconite

73-84 Sand and Shell — sparse matrix of brownish-gray clay; 50% coarse pelecypod shell debris; 50% fine- to coarse-grained, poorly-sorted sand; slightly feldspathic; traces of garnet, pyrite, epidote, and reworked glauconite

84-94 " 80% coarse shell, 20% sand

94-105 " 70% coarse shell, 30% sand

LOG

FURNISHED BY: Douglas & Dickinson, Inc.

DATE: February 1968

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	2	Brown sand	
2	10	Brown clay	
10	21	Blue clay and shell	
21	31	Blue clay and shell	
31	42	Shell and brown clay	
42	60	Blue sand and clay	
60	63	Yellow and brown clay	
63	73	Shell and yellow and blue clay	
73	81	Brown sand	
81	84	Clay	
84	88	Sand, shells	
88	99	Sand, shells, clay	
99	105	Sand, shells, consolidated spots	
105	115	Shell	
115	122	Shell	
122	124	White sand	
124	126	White sand and shell	
126	136	Clay and shell	

(Use additional forms if necessary)

