

County: Isle of Wight
VDMR Well #1675

Well: V-66-21
Property Owner: State, road right-of-way
Driller: Froehling and Robertson
Location: Southeast side of State Road 600, 45 feet northeast of State Road 654.
Altitude Top of Hole: 78.0 feet
Total Depth: 51.0 feet
Started Drilling: June 27, 1966
Completed Drilling: June 27, 1966
Sample Description by: N. K. Coch

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0.0'-44.0'	44'	Elberon	Middle Pleistocene
44.0'-51.0'	2'	Yorktown	Late Miocene

GEOLOGIC LOG

Formation	Depth in feet	Thickness in feet	Description
Elberon	0.0-4.0	4	Flush Interval
	4.0-6.0	2	Sand - gray, medium, very-clayey (45 percent clay), some orange blotches, possibly some thin streaks or laminae of gray silt. 4.0'-5.0' - 11 blows per foot 5.0'-6.0' - 15 blows per foot Compressive strength: 0.5 ton per square foot
	6.0-9.0	3	Flush Interval
	9.0-11.0	2	Sand - pale-bluish-gray, medium to coarse, clayey (35 percent), soft, homogeneous. 9.0'-10.0' - 2 blows per foot 10.0'-11.0' - 2 blows per foot
	11.0-14.0	3	Flush Interval
	14.0-16.0	2	Sand - pale-gray, medium, slightly clayey (15 percent) noticeable opaque minerals; bluish-gray fine-sandy; probably laminated. 14.0'-15.0' - 5 blows per foot 15.0'-16.0' - 9 blows per foot
	16.0-19.0	3	Flush Interval
	19.0-21.0	2	Sand - pale-gray, medium-to coarse, slight trace of silt and clay (10 percent) noticeable opaque minerals (similar to sand in previous sample) 19.0'-20.0' - 17 blows per foot 20.0'-21.0' - 23 blows per foot

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Formation	Depth in feet	Thickness in feet	Description	
Elberon	21.0-24.0	3	Flush Interval	
	24.0-26.0	2	Sand - pale-gray, medium-to coarse, well-sorted, opaque minerals concentrated in some laminae. 24.0'-25.0' - 28 blows per foot 25.0'-26.0' - 36 blows per foot	
	26.0-29.0	3	Flush Interval	
	29.0-31.0	2	Similar to interval previously described 29.0'-30.0' - 20 blows per foot 30.0'-31.0' - 29 blows per foot	
	31.0-34.0	3	Flush Interval	
	34.0-36.0	2	Sand - gray, coarse, pebble gravel and granules, small chunks of gray silt, noticeable opaque minerals 34.0'-35.0' - 31 blows per foot 35.0'-36.0' - 42 blows per foot	
	36.0-39.0	3	Flush Interval	
	39.0-41.0	2	Sand - pale-gray, medium-to coarse, noticeable opaque minerals, well sorted. 39.0'-40.0' - 19 blows per foot 40.0'-41.0' - 27 blows per foot	
	41.0-43.0	2	Flush Interval	
	43.0-44.0	1	Flush Interval	
	Yorktown	44.0-46.0	2	Sand - greenish-gray, fine, 35 percent silt, some small shell fragments 44.0'-45.0' - 9 blows per foot 45.0'-46.0' - 9 blows per foot Compressive strength: 0.2 ton per square foot

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Formation	Depth in feet	Thickness in feet	Description
Yorktown	46.0-49.0	3	Flush Interval
	49.0-51.0	2	Sand - greenish-gray, grades into bluish-green at base, very-fine, slightly silty (15 percent), many small shell fragments and decomposed shells 49.0'-50.0' - 4 blows per foot 50.0'-51.0' - 6 blows per foot Compressive strength: 1.0 ton per square foot

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*samples on
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