

OWNER: VDHT
DRILLER: Va. Dept. of Highways
COUNTY: Charles City W3

W# 5232
Total depth: 101'
Quad: Claremont

Depth
(feet)

GEOLOGIC LOG

0-5 No sample.

5-6 Clay - very light olive brown; some fine to coarse grained quartz.

6-10 No sample.

10-11 Clay very light olive brown.

11-15 No sample.

15-16 Clay - light olive gray, very light olive brown; few flakes of muscovite; vivianite.

16-20 No sample.

20-21 Clay - light olive gray; few grains of quartz; vivianite.

21-25 No sample.

25-26 Sand - yellowish gray; slightly clayey; silty; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; feldspar; 3% glauconite; some black phosphatic material; muscovite.

26-30 No sample.

30-31 As (25-26) plus some granules, 7% pebbles; poorly sorted; some glauconite.

31-35 No sample.

35-36 Sand - yellowish gray; slightly clayey; medium to coarse grained; some granules, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; few black phosphatic fragments; few shell fragments.

36-40 No sample.

40-41 Clay - olive light gray; slightly sandy; medium to coarse grained; subrounded; moderately well sorted; quartz; few black phosphatic fragments; few grains of feldspar.

41-45 No sample.

45-46 Clay - olive light gray; few grains of sand, some granules, some pebbles; few black phosphatic fragments.

46-50 No sample.

50-51 Clay - olive light gray; 15% forams (inc. Bulimina, Buccella, Pyrulina, Bolivina, Uvigerina, Guttulina, Globulina?, Textularia, Nonion, and Robulus); some quartz; some black phosphatic fragments; glauconite; ostracodes.

51-55 No sample.

Owner: VDHT

W# 5232

Depth
(feet)

- 55-56 Clay - olive light gray; abundant sand; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 3% forams (inc. Bulimina, Buccella, Nonion, Pyrulina, Uvigerina, and Guttulina); some black phosphatic material; few spines; glauconite; muscovite.
- 56-60 No sample.
- 60-61 Clay - olive light gray; abundant sand; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 35% sandy limestone fragments; 2% glauconite; forams abundant (inc. Bulimina, Pyrulina, Nonion, Discorbis, and Cibicides); some black phosphatic material; some spines; muscovite.
- 61-75 No sample.
- 75-76 Sand - dark greenish gray; slightly clayey; fine to medium grained; rounded; well sorted; 80% glauconite (black, green); quartz; some muscovite; pyrite; foram.
- 76-80 No sample.
- 80-81 Sand and clay - greenish gray; moderate clay (clasts); abundant sand; medium grained; rounded; well sorted; 85% glauconite; quartz; few shell fragments; forams scarce (inc. Robulus).
- 81-85 No sample.
- 85-86 Sand - greenish gray; moderate clay; medium grained, some coarse grains; rounded; moderately well sorted; 80% glauconite; quartz; pyrite; forams (inc. Robulus and Buccella); ostracode.
- 86-90 No sample.
- 90-91 Clay and sand - olive light gray; abundant clay; moderate sand; fine to coarse grained; rounded; moderately well sorted; glauconite 90% of sand-sized fraction; quartz; muscovite; forams (inc. Nonion and Buccella); few spines.
- 91-95 No sample.
- 95-96 As (90-91) plus some pyrite; forams (inc. Robulus and Globigerina).
- 96-100 No sample.
- 100-101 As (90-91) except forams (inc. Robulus and Nodosaria).

Logged by: Michael T. Currie

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-5	5	No sample	
5-11	6	alluvium	Holocene
11-15	4	No sample	
15-56	41	Calvert Formation	Miocene-Eocene
56-60	4	No sample	
60-101	41+	Nanjemoy Formation	Eocene

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
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