

OWNER: Fairfax County Water Authority (no. 2)
DRILLER: N. F. Hagmann
COUNTY: Fairfax (Colchester)

VDMR # 574
WWCR # 55
TOTAL DEPTH: 211 ft.

GEOLOGIC LOG

PATAPSCO FORMATION (0 - 90)

0 - 10 Clay - pink, some pale green mottles, very silty, slightly micaceous, trace of sand
10 - 20 Clay - buff, very silty and sandy, trace of mica
20 - 30 No sample
30 - 40 Clay - gray to brown, very silty, trace of sand and mica
40 - 50 Clay - pink, some pale green mottles, very silty, slightly micaceous, trace of sand
50 - 60 As above
60 - 70 Clay - brown, very silty, trace of sand and mica
70 - 80 Clay - gray, very silty, slightly sandy, trace of mica
80 - 90 As above

PATUXENT FORMATION (90 - 210)

90 - 100 Sand - light gray, medium to fine grained, angular to subangular, slightly silty and arkosic
100 - 110 Sand - light gray, coarse to fine grained, angular to subangular, slightly argillaceous, silty, and arkosic
110 - 120 Sand - light gray, medium to fine grained, angular to subangular, slightly argillaceous, silty and arkosic
120 - 130 As above
130 - 140 Clay - gray, very sandy and silty
140 - 150 Clay - brown, some gray mottles, slightly silty and sandy, trace of mica
160 Sand - light gray, medium to fine grained, angular to subangular, slightly silty and arkosic
170 - 180 Clay - brown some gray mottles, slightly silty and sandy

190 Sand - light gray, medium to fine grained, angular to subangular,
slightly silty and micaceous

200 As above

GEOLOGIC SUMMARY

	<u>AGE</u>	<u>ROCK UNIT</u>
0 - 90	Lower Cretaceous	Patapsco formation
90 - 100	Lower Cretaceous	Patuxent formation

Virginia Division of Mineral Resources
James L. Ruhle - Geologist
July 22, 1963