

OWNER: Richmond Natl. Battlefield Park
 DRILLER: Sydnor Pump and Well Co., Inc.
 COUNTY: Henrico

VDNR # 764
 WWC # 138
 TOTAL DEPTH : 87'

SAMPLE EXAMINATION
 (Unwashed Samples)

COLUMBIA GROUP (0-80)

- 0-2 Silt - slightly argillaceous, tan, small amounts of fine to coarse grained sand
- 2-10 Gravel - quartzose, tan, angular, 1/8 to 1/2 inch diameter
- 10-20 Gravel - quartzose, tan, small amounts of quartzite and chert, angular, 1/4 to 1 inch diameter
- 20-30 Gravel - quartzite, tan, angular, 1/16 to 1/2 inch diameter
- 30-40 As above
- 40-50 Gravel - quartzose, gray, angular, 1/16 to 1/2 inch diameter, small amounts of coarse sand
- 50-60 Gravel - quartzose, gray, angular, 1/16 to 1/2 inch diameter, small amounts of quartzite and coarse sand
- 60-70 Gravel - quartzose, gray, angular, 1/16 to 1/2 inch diameter
- 70-80 Gravel - quartzose, gray, angular, 1/16 to 1/2 inch diameter, small amounts of quartzite

PATUXENT FORMATION (80-87)

- 80-87 Gravel - quartzose, gray, subangular, 1/16 to 1/8 inch diameter, 20% feldspar and 20% coarse sand

GEOLOGIC SUMMARY

	<u>AGE</u>	<u>ROCK UNIT</u>
0-80	Pleistocene	Columbia group
80-87	Lower Cretaceous	Patuxent formation

Note: This section of Pleistocene gravel is unusually thick, and apparently represents channel-fill material from an ancestral river that cut down through Tertiary sediments into the Lower Cretaceous Patuxent formation.