



OWNER: U. S. Department of Interior  
(Prince William Forest Park, Well #4)  
DRILLER: Sydnor Hydrodynamics, Inc.  
COUNTY: Prince William (Triangle)

VDMR: 2233  
WWCR: 303  
TOTAL DEPTH: 100'

### GEOLOGIC LOG

#### Depth in feet

0-5	Saprolite — red-brown, weathered and iron-oxide stained; quartz, feldspar and clay; most fragments are subrounded, and the sample may be a fluvial or colluvial sand
5-10	" tan; less weathered, trace of iron-oxide staining
10-15	Gneiss — light tan, phaneritic *, minor amounts of weathered and iron-oxide-stained grains; quartz and feldspar
15-20	Quartz-chlorite gneiss with chlorite schist — light gray-green, phaneritic *; quartz, feldspar and chlorite
20-25	Chlorite schist — dark green, phaneritic *, foliated; chlorite, quartz and feldspar
25-30	Quartz-chlorite gneiss with chlorite schist — gray-green, phaneritic *; quartz, chlorite and feldspar
30-35	"
35-40	"
40-45	"
45-50	"
50-55	Chlorite gneiss — greenish-gray, phaneritic to slightly aphanitic; micaceous; quartz, chlorite and feldspar
55-60	"
60-65	"
65-70	"
70-75	Biotite gneiss — dark gray, phaneritic; micaceous; quartz, biotite, feldspar, and trace of chlorite

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75-80	Chlorite gneiss — grayish-green, phaneritic to aphanitic; micaceous; quartz, chlorite and feldspar
80-85	"
85-90	"
90-95	"
95-100	"

#### GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-10'	Saprolite	—
10-100'	Mixed gneiss and schist	Paleozoic (?)

\* Samples from these intervals were pulverized during drilling, prohibiting an accurate estimate of grain-size distribution.

Virginia Division of Mineral Resources  
Robert G. Willson, Geologist  
September 5, 1968