

OWNER: National Park Service (Shenandoah)
(Big Meadows Test Hole #3, Site E-1)
DRILLER: Frank W. Martin Drilling Company
COUNTY: Madison (Syria)

VDMR - 1701
WWCR - 45
TOTAL DEPTH - 100'

GEOLOGIC LOG

Depth in Feet

OVERBURDEN (0-50)

0 - 5	Fine Silty-Clay Loam — light yellow-brown with weathered fragments of metabasalt.
5 - 10	Metamorphosed Basalt — dark green, very fine-grained; some soil material present.
10 - 15	Metamorphosed Basalt — weathered to reddish-brown; soft limonite coatings, trace of vein quartz.
15 - 20	"
20 - 25	"
25 - 30	" with dark green, very fine-grained hard meta-basalt.
30 - 35	" "
35 - 40	" "
40 - 45	Clay — light reddish-brown; trace metamorphosed fragments of basalt.
45 - 50	Metamorphosed Basalt — dark green, very fine-grained, hard; with quartz and epidote veins, and some light reddish-brown clay

CATOCTIN FORMATION (50-100)

50 - 55	Metamorphosed Basalt — very dark-green or purple-green, very fine-grained; traces of epidote, quartz and jasper.
55 - 60	"
60 - 65	"
65 - 70	"
70 - 75	" with much vein quartz.
75 - 80	" with much epidote, jasper and quartz.

- 80 - 85 Epidosite — green and purple, vesticular; epidote, jasper, quartz, and feldspar.
- 85 - 90 Epidosite — light green, very fine-grained, equigranular; with some jasper vesticules and quartz veins.
- 90 - 95 "
- 95 - 100 "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0 - 50	Overburden	
50 - 100	Catoctin Formation	Precambrian ?

Virginia Division of Mineral Resources
Thomas M. Gathright - Geologist
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