

OWNER: Shenandoah National Park (Comers Deadening #1)
DRILLER: Sydnor Pump and Well Company
COUNTY: Madison (Old Rag)

VDMR # 869
WWCR # 15
TOTAL DEPTH : 250'

GEOLOGIC LOG

0-5	Overburden - weathered basalt fragments, tan clay, and silt.
5-10	As above
10-15	Overburden - weathered basalt and granodiorite fragments, tan silty clay, some epidote.
15-20	Overburden - weathered basalt and granodiorite fragments, considerable weathered dark gray silty phyllite.
20-25	As above
25-30	As above
30-35	Basalt - greenish gray, hard, dense, some epidote, some weathered fragments (top of bedrock in this interval).
35-40	As above
40-45	Basalt - grayish green, hard, dense, trace of epidote.
45-50	As above
50-55	As above
55-60	As above
60-65	Basalt - gray, hard, dense.
65-70	Basalt - gray, hard, dense, considerable epidote and epidotized basalt, traces of calcite.
70-75	As above
75-80	Basalt - very epidotized, some gray fragments, hard, dense, traces of red chert, quartz and calcite.
80-85	No sample
85-90	Basalt - green and some gray, very epidotized, some mottled purple, red and green, traces of quartz, calcite, and chert.
90-95	As above

95-100 Basalt - gray, hard, dense, some epidotized basalt, some mottled purple, red and green, trace of quartz and calcite.

100-105 Basalt - gray, hard, dense, trace of epidotized basalt, traces of calcite.

105-110 Basalt - gray and epidotized green basalt, some mottled purple, red and green, some quartz, calcite and red chert.

110-115 Basalt - gray, hard, dense, some light gray soft phyllite, some epidotized basalt, traces of quartz, calcite and chert.

115-120 No sample

120-125 Basalt - gray, hard, dense, some light gray soft phyllite, trace of epidote, quartz, calcite and red chert.

125-130 Basalt - gray to green, very epidotized, some quartz, calcite and purple basalt.

130-135 As above

135-140 As above

140-145 Basalt - gray, hard, dense, some calcite.

145-150 Basalt - gray, hard, dense, interbedded with some light gray soft phyllite, traces of calcite.

150-155 Basalt - dark gray, hard, dense, some light to dark gray phyllite, traces of quartz and calcite, trace of epidote.

155-160 As above

160-165 No sample

165-170 Basalt - gray, hard, dense, traces of quartz, epidote, calcite, and red chert.

170-175 Basalt - gray, hard, dense, trace of epidote.

175-180 As above

180-185 Basalt - gray, hard, dense, some epidotized fragments, some quartz and calcite

185-190	Basalt - gray, hard, dense, some calcite and soft gray phyllite.
190-195	As above
195-200	As above
200-205	No sample
205-210	Basalt - gray, hard, dense, some calcite, considerable amount of gray, relatively soft phyllite.
210-215	As above
215-220	Basalt - gray, hard, dense, trace of calcite and epidote phyllite.
220-225	Basalt - gray, hard, dense, considerable calcite, phyllite.
225-227	Phyllite - gray to dark gray, soft, chloritic, some calcite.
227-229	As above
229-235	Phyllite - grayish green, chloritic, some quartz and calcite.
235-240	As above
240-245	Phyllite - grayish green, relatively soft, chloritic, some calcite and trace of quartz.
245-250	Phyllite - grayish green, relatively soft, chloritic, with considerable medium sized fragments of calcite, quartz, and feldspar.

GEOLOGIC SUMMARY

AGE

Precambrian

ROCK UNIT

Catoctin formation

Division of Mineral Resources
Laurence H. Gardner II - Geologist
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