

OWNER: National Park Service  
Dickey Ridge #3  
DRILLER: Martin Drilling Company  
COUNTY: Warren (Front Royal)

VDMR #1138  
WWCR #62  
TOTAL DEPTH: 200'

GEOLOGIC LOG

0-5	Weathered Zone - siltstone, red hematite, specularite hematite, limonite, large epidote crystals, very high iron content.
5-10	As above - minor greenstone.
10-15	As above.
15-20	As above.
20-25	Greenstone - greenish-blue, fine grain, quartz, plagioclase, biotite, epidote, red hematite.
25-30	As above.
30-35	Greenstone - greenish-blue, increase in epidote, less hematite and plagioclase.
35-40	As above - less hematite, increase of feldspar.
40-45	As above.
45-50	As above.
50-55	Greenstone - greenish-blue, increase of quartz, feldspar and hematite, decrease of epidote.
55-60	As above.
60-65	As above - increase of epidote, decrease of quartz and feldspar.
65-70	As above, increase of epidote.
70-75	As above, less hematite.
75-80	Greenstone - greenish-blue, fine grain, quartz, feldspar, hematite and epidote.

OWNER: National Park Service (Dickey Ridge #3) Continued #1138

80-85	Greenstone - greenish-blue, fine grain, quartz, feldspar, hematite and much less epidote.
85-90	As above.
90-95	As above.
95-100	As above.
100-105	Greenstone - greenish-blue, fine grain, quartz, feldspar, hematite and epidote.
105-110	As above - slight increase of epidote.
110-115	As above.
115-120	As above - increase of hematite.
120-125	As above.
125-130	Greenstone - greenish-blue, fine grain, quartz, feldspar, biotite, chlorite, epidote, and hematite, fracture zone.
130-135	As above - increase of epidote, no fracture zone.
135-140	As above.
140-145	As above - less hematite.
145-150	As above - less epidote.
150-155	Greenstone - greenish-blue, fine grain, quartz, feldspar, biotite, chlorite, epidote and hematite.
155-160	As above.
160-165	As above.
165-170	As above - very little epidote.
170-175	As above.
175-180	As above - increase of hematite.
180-185	Greenstone - greenish-blue, fine grain, quartz, feldspar, biotite, chlorite, epidote and hematite.
185-190	As above.

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190-195 Greenstone - greenish-blue, fine grain, quartz, feldspar, biotite, chlorite, epidote and hematite.

195-200 Greenstone - greenish-blue, fine grain, fracture zone, quartz, feldspar, biotite, chlorite, epidote and minor hematite.

GEOLOGIC SUMMARY

FORMATION

AGE

Catoctin

Precambrian

Virginia Division of Mineral Resources  
Garnett Gatlin, Geologist  
October 12, 1964