

OWNER: National Park Service
Dickey Ridge #4
DRILLER: Martin Drilling Company
COUNTY: Warren (Front Royal)

VDMR 1139
WWCR 63
TOTAL DEPTH: 300

GEOLOGIC LOG

0-5	Greenstone - greenish-blue, fine grain, quartz, feldspar, biotite, chlorite, epidote, and hematite.
5-10	As above - increase of hematite.
10-15	As above.
15-20	As above.
20-25	As above - increase of hematite and epidote.
25-30	Greenstone - greenish-blue, fine grain, less epidote and hematite than above.
30-35	As above - big increase of epidote.
35-40	As above.
40-45	As above - less epidote.
45-50	As above.
50-55	As above.
55-60	Greenstone - greenish-blue, fine grain, quartz, feldspar, biotite, chlorite, epidote, and hematite.
60-65	As above - increase of hematite.
65-70	As above - less hematite.
70-75	As above.
75-80	As above.
80-85	As above - increase of plagioclase and quartz.
85-90	Greenstone - greenish-blue, fine grain, quartz, feldspar, biotite, chlorite, increase of epidote and hematite.
90-95	As above.

OWNER: National Park Service - Dickey Ridge #4 (Continued) #1139

95-100 Greenstone - greenish-blue, fine grain, quartz, feldspar, biotite, chlorite, increase of epidote and hematite.

100-105 As above.

105-110 As above - good epidote crystals.

110-115 As above - less epidote, plagioclase, and quartz.

115-120 As above - large increase of epidote and hematite.

120-125 Greenstone - light green, fine grain, large increase of epidote, also quartz, feldspar, biotite, chlorite, and hematite.

125-130 Greenstone - greenish-blue, much less epidote, same minerals as above.

130-135 As above - increase of plagioclase.

135-140 As above - increase of hematite.

140-145 As above - increase of epidote.

145-150 As above.

150-155 As above.

155-160 Greenstone - greenish-blue, fine grain, epidote, hematite, plagioclase, quartz, biotite, chlorite.

160-165 As above - increase of epidote.

165-170 As above.

170-175 As above.

175-180 Greenstone - light green and greenish-blue, fine grain, increase of epidote and plagioclase.

180-185 As above - less epidote.

185-190 As above.

190-195 As above.

OWNER: National Park Service - Dickey Ridge #4 (Continued) #1139

195-200 Greenstone - light green and greenish-blue, fine grain, less epidote, plagioclase.

200-205 As above - increase of epidote.

205-210 Greenstone - greenish-blue, fine grain, quartz, feldspar, biotite, chlorite, epidote, and hematite.

210-215 As above - less epidote.

215-220 As above - increase of epidote.

220-225 As above - less epidote.

225-230 As above.

230-235 Greenstone - light green, fine grain, large increase of epidote, quartz, feldspar, biotite, chlorite and hematite.

235-240 As above.

240-245 As above.

245-250 As above - less epidote, greenish-blue.

250-255 As above - increase of plagioclase.

255-260 Greenstone - greenish-blue, fine grain, plagioclase, epidote, hematite, biotite, chlorite and quartz.

260-265 As above.

265-270 Greenstone - light green, fine grain, large increase of epidote, hematite, quartz, feldspar, biotite and chlorite.

270-275 Greenstone - greenish-blue, fine grain, less epidote than above.

275-280 As above.

280-285 As above.

285-290 As above.

290-295 As above.

295-300 Greenstone - greenish-blue, fine grain, quartz, feldspar, biotite, chlorite, epidote, and hematite.

GEOLOGIC SUMMARY

FORMATION

AGE

Catoctin

Precambrian

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