



OWNER: Jackson  
DRILLER: C. R. Moore (Gibson)  
COUNTY: Albemarle (Owensville)

VDMR #854  
WWCR #880  
TOTAL DEPTH: 200'

GEOLOGIC LOG

0-70 No sample.

Lovingston Formation (70-200')

70 Gneiss - medium-dark-gray, coarse-grained, porphyroblasts of perthitic microcline (up to 10 mm); within these crystals are grains of well rounded quartz sand (0.1 to 0.6 mm); quartz, biotite, plagioclase, potash feldspar, minor garnet and pyrite.

80 As above.

90 As above - sand (up to 1 mm) in feldspar (up to 15 mm).

100 As above.

110 As above.

120 Gneiss - medium-dark-gray, coarse-grained, porphyroblasts of perthitic microcline (plagioclase 30%) containing sand (0.1-1.0 mm): (X-ray examination: 2/5 quartz, 1/5 perthite, 1/5 plagioclase and biotite).

130 As above - with addition of a quartz vein and pyrite in the adjoining rock.

140 As above - no quartz vein, no pyrite.

150 As above - sand (up to 1.2 mm) found in feldspar.

160 Gneiss - medium-dark-gray, coarse-grained; feldspar crystals (up to 10 mm), within these crystals are rounded grains of sand; quartz, plagioclase, potash feldspar, and biotite.

170 As above - with garnet.

180 As above.

190 As above - zone of slight oxidation.

200 As above.

GEOLOGIC SUMMARY

<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-70 No sample	
70-200 Lovingston Formation	Precambrian

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
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