



OWNER: Amherst County School Board  
TENANT: Central High School  
DRILLER: Kinkle Campbell (Falwell)  
COUNTY: Amherst (Amherst)

VDMR #1148  
WWCR #168  
TOTAL DEPTH: 200'

### GEOLOGIC LOG

0-10	Overburden - white and light brown shiny large pieces coarse vein quartz and medium grained quartz, feldspar, biotite, and hornblende, iron oxides, clays, minor magnetite.
10-20	As above.
20-30	As above - less oxide and clay.
30-40	As above.
40-50	Weathered Gneiss - light brown and medium gray, medium grained, quartz, feldspar, biotite, hornblende, muscovite, minor magnetite.
50-60	Biotite Gneiss - dark gray and medium gray, medium grained, well foliated, biotite, quartz, plagioclase (oligoclase), minor calcite, epidote, splene, and pyrite slight alteration, X-ray examination shows the presence of major pyroxene.
60-70	As above.
70-80	As above - with actinolite in certain layers.
80-90	Biotite Gneiss - dark gray and medium gray, medium grained quartz, biotite, plagioclase, minor pyrite, actinolite, epidote, and calcite, with veins of quartz and chlorite, X-ray examination show the presence of pyroxene.
90-100	As above - with calcite crystals to 1/2-inch.
100-110	As above - no large calcite.
110-120	As above.
120-130	Biotite Gneiss - dark gray, medium grained, biotite, quartz, plagioclase, calcite, and minor pyrite and actinolite, with vein quartz.

OWNER: Amherst County School Board (Central High School) Continued

- 130-140            Biotite Gneiss - medium gray, medium grained, quartz, biotite, potash feldspar, plagioclase, minor calcite, and pyrite.
- 140-150            As above.
- 150-160            As above - minor garnet.
- 160-170            As above.
- 170-180            Biotite Gneiss - medium gray, medium grained quartz, biotite, feldspar, minor calcite, and pyrite.
- 180-190            Biotite Gneiss - light to medium gray, medium grained, quartz, potash feldspar, plagioclase (calcic oligoclase), minor epidote, and pyrrhotite.
- 190-200            As above - slightly more biotite.

GEOLOGIC SUMMARY

ROCK UNIT

AGE

Lynchburg

Precambrian

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
October 23, 1964