

OWNER: Sheppard and Kenner #1
DRILLER: Herman E. Hoppe
COUNTY: Fairfax (Langley)

VDMR #989
WWCR #640
TOTAL DEPTH: 106'

GEOLOGIC LOG

- 0-10 No sample.
- 10-20 Residual Mica Schist — light-yellow-brown; medium-grained; muscovite, quartz, minor biotite, magnetite, iron oxides and clay.
- 20-30 As above.
- 30-40 As above — more biotite.
- 40-50 Saprolitic Mica Schist — light-brown to light-gray, medium-grained; muscovite, quartz biotite, minor goethite (pseudomorphs after pyrite), magnetite and iron oxide stain.
- 50-60 As above — no goethite.
- 60-70 As above.
- 70-80 As above.
- 80-90 As above.
- 90-100 Weathered Mica Schist and Greenschist — light-brown to gray-green, medium-grained; muscovite, quartz, chlorite, amphibole, pyroxene, calcic plagioclase, epidote, magnetite and iron oxides.
- 100-106 Greenschist and Weathered Mica Schist — gray-green to light-brown, medium-grained; chlorite, quartz, muscovite, magnetite; minor amphibole, pyroxene, epidote, pyrite, apatite and calcite.

GEOLOGIC SUMMARY

These samples are of weathered mica schist and greenschist. They are too finely ground to determine the relationship between the two rocks. The greenschist is found below 90 feet.

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
February 4, 1966