

OWNER: Mrs. E. B. Moore
DRILLER: Marvin O. Seek
COUNTY: Fairfax (Fairfax)

VDMR Well No: 975
WWCR Well No: 631
TOTAL DEPTH : 145

GEOLOGIC LOG

Residual Clay and Saprolitic Actinolite Schist (0-10')

0-10 Residual Clay and Saprolitic Actinolite Schist - light-orange-brown and pale-green-gray; clay, actinolite epidote, quartz, and iron oxides.

Actinolite Schist (10-130')

- 10-20 Weathered Actinolite Schist - light-greenish-gray; grain size: 0.2 x 0.2 mm to 0.2 x 4.0 mm; actinolite, pennine, epidote (clinozoisite); trace quartz, stilpnomelene, magnetite and iron-oxide stain.
- 20-30 As above - average grain size 0.2 x 0.2.
- 30-40 Actinolite Schist - medium-gray-green; grain size: 0.2 x 0.2 to 1.0 x 2.0 mm; actinolite, epidote (clinozoisite), chlorite, epidotized plagioclase, sericite, trace pyrite, bright-green mica, iron oxide stain.
- 40-50 As above - no iron oxide stain.
- 50-60 As above - with calcite.
- 60-70 As above
- 70-80 As above
- 80-90 As above - minor quartz and muscovite.
- 90-100 As above
- 100-110 Actinolite Schist - medium-green-gray; grain size: 0.2 x 0.2 to 1.0 x 3.0 mm; actinolite, epidote (clinozoisite) minor epidotized plagioclase, sericite, calcite, chlorite, quartz; trace pyrite.
- 110-120 As above - more quartz.
- 120-130 As above - less quartz, more chlorite.
- 130-145 No Sample

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-10	Residual Clay and Actinolite Schist	Recent & Precambrian ?
10-130	Actinolite Schist	Precambrian ?
130-145	No Sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
December 30, 1965