

OWNER: Mrs. Hamilton (#1)
DRILLER: J. T. Ellington
COUNTY: Stafford

VDMR #953
WWCR #46
TOTAL DEPTH: 350'

GEOLOGIC LOG

0-57	No sample.
57-70	Sand - pale yellowish orange, medium to fine grained, subangular to rounded quartz grains, high clay content.
70-90	No sample.
90-105	Sand - pale yellowish orange, medium to fine grained, subangular to rounded quartz grains, angular to subangular feldspar grains, high clay content.
105-129	No sample.
129	Sand - pale yellowish-gray, medium grained, high quartz content, biotite, feldspar, X-ray analysis: Quartz 30%, plagioclase 20%, biotite 30%, vermiculite 20%.
129-180	No sample.
180-215	Granite - gray, medium grained, quartz, feldspar, biotite, and kaolin, weathered, X-ray analysis: Quartz 65%, potassic feldspar 35%.
215-230	Granite - yellowish-gray, medium grained, quartz, feldspar, biotite.
230-245	As above - increase in kaolin and in biotite.
245-260	Granite - gray, medium grained, quartz, feldspar, biotite, traces of epidote and sericite, minor vein quartz.
260-275	Granite - gray, medium grained, quartz, feldspar (plagioclase identified), biotite and traces of muscovite.
275-290	Granite - gray to pink, medium to coarse grained, quartz, pink feldspar, white feldspar, biotite, minor epidote and clay.
290-305	Granite - gray to pink, coarse to fine, quartz, pink and white feldspar, minor biotite, traces of muscovite and epidote.

OWNER: Mrs. Hamilton (#1) (Continued)

#953

- 305-320 Granite - gray to pink, coarse to fine, quartz, pink and white feldspar, minor biotite, traces of muscovite and epidote.
- 320-335 Granite - gray, medium to coarse grained, quartz, feldspar, biotite, minor epidote.
- 335-350 Granite - pink to light gray, medium to coarse grained, quartz, pink and white feldspar, minor biotite.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-57	No samples	
57-129	Potomac group	Cretaceous
129-180	No samples	
180-350	Petersburg granite	Precambrian

Virginia Division of Mineral Resources
Villard S. Griffin, Jr., Geologist
July 13, 1964