

OWNER: Va. Dept. of Highways
DRILLER: Moseley and Nash
COUNTY: Greenville

VDMR #997
WWCR #37
TOTAL DEPTH 220'

GEOLOGIC LOG

Yorktown formation (0-44?)

- 0-10 Sand-yellow to light brown, medium grained, angular to subangular, quartzose, argillaceous.
- 10-20 Sand-yellow, medium to coarse grained, angular to subangular, quartzose, slightly argillaceous.
- 20-30 As above (slightly fossiliferous)
- 30-40 Sand-yellow, medium to coarse grained, medium size grains are angular to subangular, the coarse grains generally rounded to subrounded, pelecypods test fragments.

Petersburg granite (44-220')

- 44 Granite-pink to gray, medium grained, quartz, pink feldspar, minor biotite (about 10%).
- 44-60 No sample
- 60-70 As above (limonite stains)
- 70-80 As above
- 80-90 Granite-pink to gray, medium grained, quartz, pink feldspar, minor chloritized biotite.
- 90-100 As above
- 100-110 Granite-pink to gray, medium grained, fractured ?, quartz, pink feldspar, minor chloritized biotite, and green, finely divided sericite (X-ray analysis)
- 110-120 Granite-pink, medium grained, quartz, pink feldspar, chlorite, green, finely divided sericite and a few quartz crystals.
- 120-130 As above
- 130-140 As above

140-150	As above
150-160	No sample
160-170	Granite - pink, medium grained, quartz, pink feldspar, chlorite, green, finely divided sericite and a few quartz crystals.
170-180	As above
180-190	As above
190-200	As above
200-210	Granite - white to gray, medium grained, quartz, pink and white feldspar, minor chlorite.
210-220	Granite - pink to gray, medium grained, quartz, pink feldspar, chlorite, and minor kaolin.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-44?	Yorktown formation	Tertiary
44-220	Petersburg granite	Late Paleozoic (?)

Virginia Division of Mineral Resources
Villard S. Griffin, Jr., Geologist
June 22, 1964