



OWNER: Virginia Division of Parks  
(House for Lake Manager)  
DRILLER: Farmville Well Drilling Co., Inc.  
COUNTY: Cumberland (Bear Creek Lake)

VDMR #1479  
WWCR #32  
TOTAL DEPTH: 162'

### GEOLOGIC LOG

0-35	No sample.
35-62	Weathered Gneiss — cream, pale-orange, light- to medium-gray; grain size up to 3 mm; banded, minor augen structure; oligoclase, quartz, potash feldspar, hornblende, biotite, muscovite, epidote, apatite, garnet, clay and iron oxide.
62-82	Gneiss — light-greenish-gray to medium-gray; grain size up to 10 mm; cataclastic augen, banded; quartz, muscovite, biotite, oligoclase, microcline, apatite, epidote, graphite, pyrite, hornblende, garnet; minor iron oxide stain.
82-102	" only a trace of iron oxide stain.
102-122	" "
122-142	" "
142-162	" "

### GEOLOGIC SUMMARY

These samples are of a muscovite-biotite gneiss probably derived from hornblende gneiss and granite; both of uncertain age.

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
February 23, 1966