



OWNER: U. S. Army Corps of Engineers  
North Bend Well #3  
DRILLER: Hickory Well Supply Co., Inc.  
COUNTY: Mecklenburg (Phillis)

VDMR #1295  
WWCR #55  
TOTAL DEPTH: 150'

### GEOLOGIC LOG

- 0-10 Weathered Granite — light-brown and white, coarse-grained; feldspar, quartz, clays, muscovite, iron stain; trace magnetite.
- 10-20 As above — pinkish.
- 20-30 As above — more iron stain; minor biotite.
- 30-40 As above — less clay.
- 40-55 As above — more biotite, minor epidote.
- 55-65 Quartz-Monzonite Gneiss — black, white, and minor pink; very-coarse-grained; oligoclase, quartz, microcline, biotite, muscovite, chlorite, minor calcite.
- 65-75 Granite — white and pink, minor black; very-coarse-grained; quartz, potash feldspar, plagioclase, biotite, muscovite, trace magnetite and epidote.
- 75-85 Granodiorite Gneiss — black, white, and pink; very-coarse-grained; slight lineation; oligoclase, quartz, microcline, biotite, epidote; minor muscovite and magnetite.
- 85-95 Quartz Monzonite Gneiss — white, pink, and black; very-coarse-grained; potash feldspar, plagioclase, quartz, biotite, minor muscovite, epidote, magnetite.
- 95-105 As above.
- 105-115 Granite — pale-salmon-pink and black; very-coarse-grained; potash feldspar, plagioclase, quartz, biotite; minor muscovite, epidote, magnetite, chlorite, and iron oxide stain.
- 115-125 Quartz Monzonite — light-brown and black; very-coarse-grained; plagioclase, potash feldspar, quartz, biotite, chlorite; minor epidote and magnetite.
- 125-135 Gneissic Quartz Monzonite — white, very-pale-pink, black; very-coarse-grained; plagioclase, potash feldspar, quartz, biotite; minor epidote, magnetite and muscovite.
- 135-145 As above — minor iron oxide stain.
- 150 As above — less biotite.

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GEOLOGIC SUMMARY

ROCK UNIT

Redoak Granite

TIME ROCK UNIT

Precambrian

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
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