



OWNER: Carlisle Water Corporation #2  
S. G. Whittle, III  
DRILLER: Ben N. Peters  
COUNTY: Henry (Martinsville)

VDMR #416  
WWCR #21  
TOTAL DEPTH: 230'

GEOLOGIC LOG

- 10-20 Weathered Diorite — light-brown, white, and black; coarse-grained; feldspar, quartz, biotite, hornblende, chlorite; minor epidote, magnetite and iron oxide stain.
- 20-30 As above.
- 30-40 Hornblende-Quartz Diorite — white and black; coarse-grained; quartz, hornblende, epidote, oligoclase, chlorite, biotite, minor calcite, iron oxide stain, zircon and apatite; grain mount verification.
- 40-50 As above — less hornblende.
- 50-60 As above — more hornblende.
- 60-70 As above.
- 70-80 As above — more oxidation.
- 80-90 As above — trace pyrite.
- 90-100 As above.
- 100-110 As above.
- 110-120 Hornblende-Quartz Diorite — bluish-black and white; coarse-grained; hornblende (50%), quartz, epidote, oligoclase, biotite, chlorite; trace calcite, apatite, pyrite, and iron oxide stain.
- 120-130 As above.
- 130-140 As above.
- 140-150 As above — no iron oxide stain.
- 150-160 Hornblende Granodiorite — black, white, and pink; coarse-grained; hornblende, quartz, epidote, oligoclase, potash feldspar, biotite, trace pyrite; minor iron oxide stain.
- 160-170 As above.

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- 170-180      Hornblende-Quartz Diorite -- black and white; coarse-grained; hornblende, quartz, epidote, oligoclase, biotite, trace apatite and pyrite; minor iron oxide stain.
- 180-190      As above -- no iron oxide stain; with muscovite and chlorite.
- 190-200      As above -- more biotite.
- 200-210      Granodiorite -- black and white; coarse-grained, quartz, oligoclase-andesine, biotite, hornblende, epidote, muscovite, potash feldspar, minor pyrite; grain mount verification.
- 210-220      As above -- less biotite, more muscovite.
- 220-230      No sample.

GEOLOGIC SUMMARY

ROCK UNIT

TIME ROCK UNIT

Hornblende-Quartz Diorite

Uncertain Age

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