

OWNER: Sheffield Terrace Water Supply Inc.
R. A. Tavenner, Well #2
DRILLER: B. N. Peters
COUNTY: Henry (Martinsville)

VDMR #1408
WWCR #164
TOTAL DEPTH: 250'

GEOLOGIC LOG

- 0-50 No samples.
- Hornblende Gneiss (50-250')
- 50-60 Hornblende Gneiss — black and white; coarse-grained; hornblende, epidote, quartz, plagioclase; minor biotite, muscovite, pyrite, and magnetite.
- 60-70 As above — with minor iron stain.
- 70-80 As above.
- 80-90 As above — no iron stain.
- 90-100 As above.
- 100-110 As above.
- 110-120 Hornblende Gneiss — dark-greenish-gray and white; coarse-grained; hornblende, epidote, quartz, plagioclase; minor biotite, muscovite, pyrrhotite, magnetite, and zeolites.
- 120-130 As above.
- 130-140 Hornblende Gneiss — medium-dark-gray-green, pale-pink and white; coarse-grained; hornblende, epidote, quartz, oligoclase, alkali-feldspar, muscovite, chlorite; minor apatite and sphene; traces of pyrite, pyrrhotite and magnetite; minor vein of euhedral zeolites.
- 140-150 As above — no zeolite vein.
- 150-160 Hornblende-Epidote Gneiss — dark-gray-green, pale-pink and white; medium- to coarse-grained; hornblende, epidote, quartz, oligoclase, alkali-feldspar, garnet; minor apatite, sericite, calcite, magnetite, pyrrhotite and pyrite.
- 160-170 Leucocratic Vein or Lens — very-pale-pink to white; extremely-coarse-grained; albite, microcline, quartz, sericite, minor hornblende, garnet, epidote sphene and apatite.
- 170-180 Hornblende-Epidote Gneiss — dark-gray, yellow-green and white; coarse-grained; hornblende, epidote, plagioclase, alkali-feldspar, quartz, muscovite; minor pyrite and garnet; trace of magnetite.

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- 180-190 Hornblende Gneiss — dark-gray, white and pale-pink, coarse-grained; hornblende, plagioclase, alkali-feldspar, quartz, epidote, muscovite and trace pyrite.
- 190-200 As above.
- 200-210 Hornblende Gneiss — dark-green-gray, minor white; coarse-grained; hornblende; minor epidote, plagioclase, alkali-feldspar, chlorite, quartz and zeolites; trace muscovite and pyrite.
- 210-220 Hornblende-Biotite Gneiss — dark-green-gray and white; coarse-grained, hornblende, biotite, epidote, quartz, plagioclase; trace pyrite.
- 220-230 As above.
- 230-240 As above — slightly lighter color; grain mount examination showed presence of scapolite, apatite and sphene.
- 240-250 As above.

GEOLOGIC SUMMARY

<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-50 No samples	
50-250 Hornblende Gneiss (Leucocratic Lens or Vein at 160-170')	Precambrian ?

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
November 15, 1965