

OWNER: Randolph Equipment Depot
DRILLER: Mitchell's
COUNTY: Henrico

W#: 539
C#: 323
TOTAL DEPTH: 239.5'
QUAD.: Yellow Tavern

GEOLOGIC LOG

Depth
(feet)

- 0-2 Sand — yellowish gray; moderate clay; fine to medium grained, few granules, few pebbles; subangular to subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite.
- 2-8 As above except pale yellowish orange; some very fine grains.
- 8-13 Sand — light brown; moderate clay; fine to very coarse grained, 5% granules, 5% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; some glauconite; muscovite.
- 13-26 Sand and gravel — yellowish gray; slightly clayey; fine to coarse grained, 7% granules, 50% pebbles (4-16 mm); subangular to subrounded; poorly sorted; quartz; feldspar; some muscovite; few grains of glauconite; few pieces of granite; few flakes of weathered biotite.
- 26-40 Granite (weathered) — light olive gray; slightly clayey; 40% biotite; quartz; some muscovite.
- 40-50 As above except 15% biotite; 5% muscovite.
- 50-70 As above except 5% biotite.
- 70-80 Granite (weathered) — light olive gray; slightly clayey; quartz; some biotite; some muscovite.
- 80-90 As above except 5% biotite.
- 90-100 As above except 20% biotite.
- 100-110 Granite (slightly weathered) — light gray; quartz; 15% biotite; 3% muscovite; some white microcline; few grains of pyrite.
- 110-120 As above (feldspar shows slight alteration).
- 120-130 As above except 7% biotite.
- 130-140 Granite (weathered) — light gray; slightly clayey; quartz; microcline feldspar; 25% biotite (shows moderate alteration); 5% muscovite; trace of chlorite.
- 140-150 Granite (weathered) — light gray; quartz; microcline; 15% biotite; 2% muscovite; few grains of pyrite.

Depth
(feet)

- 150-160 Granite — light olive gray; quartz; microcline; some plagioclase; 10% biotite; some muscovite.
- 160-170 As above except 20% biotite.
- 170-180 Granite (weathered) — light olive gray; slightly clayey; quartz; feldspar; 20% biotite (shows considerable weathering); 20% muscovite.
- 180-190 Granite — light olive gray; quartz; microcline; 7% biotite; some plagioclase feldspar; some muscovite.
- 190-210 As above except 3% biotite.
- 210-220 As above.
- 220-239.5 As above except 2% biotite; 2% muscovite.

Logged by: Michael T. Currie

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-26	26	Columbia Group	Pleistocene
26-239.5	213.5	Petersburg Granite	Paleozoic (?)

VIRGINIA DIVISION OF MINERAL RESOURCES
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