

OWNER: Virginia Department of Highways #3
DRILLER: Sydnor Pump & Well Co., Inc.
COUNTY: Henrico (Solomon)

VDMR: 1659
WWCR: 187
TOTAL DEPTH: 350'

GEOLOGIC LOG

Depth in feet

| | |
|---------|---|
| 0-10 | Weathered - pebbles, sand, mica |
| 10-20 | " |
| 20-30 | Granite - gray-green, coarse-grained, weathered, sharp edged mica, considerable greenish clay |
| 30-40 | " |
| 40-50 | " |
| 50-60 | Granite - biotite, K-feldspar, quartz, pyrite |
| 60-70 | " |
| 70-80 | " |
| 80-90 | " |
| 90-100 | " red iron-oxide stains, traces calcite |
| 100-110 | Granite - K-feldspar, biotite, quartz, few calcite crusts |
| 110-120 | " increased biotite |
| 120-130 | " " |
| 130-140 | Granite - microcline, biotite, quartz, muscovite |
| 140-150 | " some calcite |
| 150-160 | " |
| 160-170 | " |
| 170-180 | " |
| 180-190 | " |
| 190-200 | " |
| 200-210 | " |

Yell. Tan. gravel elev ~ 130 top

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210-220 Granite - microcline, biotite, quartz, muscovite, trace pyrite

220-230 " " " " " "

230-240 " " " " no pyrite

240-250 " " " " " "

250-260 No samples

260-270 Granite - K-feldspar, plagioclase, quartz, biotite

270-280 No sample

280-290 Granite - K-feldspar, plagioclase, quartz, biotite, muscovite

290-300 " " " " " "

300-310 " " " " with garnets

310-320 " " " " " "

320-330 " " " " increase in biotite

330-340 " " " " " pyrite

340-350 " " " " " "

GEOLOGIC SUMMARY

| <u>Rock Unit</u> | <u>Age</u> |
|---------------------------|------------|
| 0-20 Overburden | |
| 20-350 Petersburg Granite | Paleozoic |

Virginia Division of Mineral Resources
 Warren J. Souder, Geologist
 August 1966