

OWNER: John Frazer
DRILLER: James L. Colley
COUNTY: Orange (Monrovia)

VDMR #1345
WWCR #57
TOTAL DEPTH: 55'

GEOLOGIC LOG

Overburden (0-30')

0-10 Overburden — light-brown; clay, silt, and residual granite fragments; microcline, perthite, hornblende, quartz, epidote, minor apatite, and magnetite.

10-20 As above — with vein quartz.

20-30 As above.

Granite (30-40')

30-40 Weathered Granite — medium-brownish-gray, coarse-grained; alkali feldspar, hornblende, quartz, epidote, minor biotite, and magnetite.

Dike (40-50')

40-50 Basalt — dark-purple-gray, very-fine-grained; slight flow structure; biotite-schist contact between basalt and granite; minor vein quartz.

Dike and granite (50-55')

50-55 As above — with fragments of granite.

GEOLOGIC SUMMARY

| | <u>ROCK UNIT</u> | <u>TIME ROCK UNIT</u> |
|-------|------------------|--------------------------|
| 0-30 | Overburden | Recent |
| 30-40 | Granite | Precambrian ? |
| 40-50 | Dike | Triassic |
| 50-55 | Dike and granite | Triassic and Precambrian |

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
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