

Well: 5838
Property Owner: Commonwealth of Virginia
Driller: Froehling and Robertson
Location: Glen Allen 7½' Quadrangle. East side of secondary road trending NE from Mountain Road to Hunton. .6 mile from its intersection with Mountain Road.
Elevation: 280 feet
Total Depth: 64.2 feet
Started drilling: June 28, 1972
Completed drilling: June 29, 1972

GEOLOGIC LOG

Depth in
feet

- | | |
|-------|---|
| 0-3 | Pebbly sand - reddish brown; slightly silty; angular to rounded quartz grains; fine grained sand with a few rounded quartz pebbles. |
| 3-5 | Sand - reddish brown; fine grained; a few rounded quartz pebbles. |
| 5-10 | Sand - mottled light gray and reddish brown; fine grained; silty; quartz grains are angular to rounded. |
| 10-15 | Sand - mottled light gray and reddish brown; very fine grained; slightly silty. |
| 15-20 | Gravel - light pinkish tan; abundant rounded quartz pebbles and granules in a medium to fine sand matrix. |
| 20-25 | Gravel - light pink and white; abundant quartz pebbles and granules in a medium grained quartz sand matrix. |
| 25-30 | Mafic saprolite - hematite red; abundant muscovite; fine grained; clayey; minor quartz; a deeply weathered muscovite and biotite rich parent rock. Possibly a large xenolith or roof pendent within the Petersburg granite. |
| 30-35 | Same as above. |
| 35-40 | Same as above. |
| 40-45 | Same as above. |
| 45-50 | Granite saprolite - pinkish tan; abundant muscovite; fine grained. |
| 50-55 | Granite saprolite - pinkish tan; abundant muscovite; fine grained; muscovite, quartz, and feldspar are dominant. |
| 55-60 | Granite saprolite - tan; abundant muscovite; biotite common; fine grained. |

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-25	Upland gravel	Tertiary
25-45	Mafic inclusion in Petersburg granite (?)	Upper Paleozoic
45-60	Petersburg granite	Upper Paleozoic