

OWNER: Prince George School Board
DRILLER: Mitchell Pump & Well Co.
LOCATION: Prince George County (Prince George)

VDMR # 942
WWCR # 147
TOTAL DEPTH : 253'

GEOLOGIC LOG

Columbia group (0-60)

- 1-10 Silt-red, brown, purple, gray, variegated, indurated
- 10-20 Silt-yellowish brown to white, moderately indurated, collophane, muscovite
- 20-30 Sand-yellowish brown, feldspathic, coarse to very fine grained, subangular to subrounded, tourmaline, muscovite, garnet
- 30-40 Sand-white to yellowish brown, feldspathic, predominately granule to fine grained, some pebble size fragments, subangular to subrounded, muscovite, garnet, tourmaline
- 40-50 Sand-feldspathic, yellowish brown, medium to fine grained, subangular to subrounded, muscovite, glauconite, tourmaline
- 50-60 As above

Pamunkey group (60-110) ?

- 60-70 Siltstone-light green, arenaceous, muscovite, shell fragments
- 70-80 Sandstone-light green, friable, coarse to very fine grained, subangular to subrounded, echinoid spines.
- 80-90 Sandstone-green, friable, silty, coarse to fine grained, angular to subrounded, shell fragments
- 90-100 As above, with glauconite & collophane
- 100-110 Siltstone-light green, arenaceous, friable, some granule to coarse grains, angular to subrounded quartz, muscovite, shell fragments

Potomac group (110-200)

- 110-120 Sand-light gray, silty, granule to very fine grained, angular to subrounded, weathered pyrite, muscovite, garnet, chlorite, & epidote
- 120-130 As above
- 130-140 As above

140-150	As above
150-160	As above
160-170	As above
170-180	As above
180-190	Sand-white, granule to medium grained, angular, garnet, muscovite, weathered pyrite, epidote
190-200	Sand-light gray, silty, granule to very fine grained, angular to subangular, muscovite, garnet, glauconite, epidote, weathered pyrite
Granite wash (200-253')	
200-210	Gravel & granite wash-white to light gray, granule to medium grained, angular to subangular quartz & feldspar fragments with garnet, muscovite, epidote, weathered pyrite
210-220	As above
220-240	As above
240-253	As above

GEOLOGIC SUMMARY

<u>ROCK UNIT</u>		<u>AGE</u>
0-60	Columbia group	Pleistocene
60-110	Pamunkey group ?	Eocene
110-200	Potomac group	Cretaceous
200-253	Granite wash	Precambrian ?

Virginia Division of Mineral Resources
 Roger C. Wilkenloh - Geologist
 Feb. 24, 1964