



OWNER: Virginia Wildlife Clubs, Inc. VDMR: 1938  
 Lake of Woods - Wakefield Div. Well #1 WWCR: 68  
 DRILLER: Sydnor Hydrodynamics, Inc. TOTAL DEPTH: 325'  
 COUNTY: Orange (Locust Grove)

GEOLOGIC LOG

Depth in feet

0-5	No sample
5-20	Amphibole gneiss - light greenish-gray, very-fine-grained, amphibolite-rich; quartz, feldspar, amphibole, and minor amount of magnetite; slightly weathered, with kaolinite and iron-oxide-stained vein quartz
20-35	" unweathered
35-50	" "
50-65	" "
65-80	" minor weathering
80-85	No sample
85-100	Amphibole gneiss - light- to medium-greenish-gray, very fine-grained, schistose; quartz feldspar, amphibole, chlorite, sericite, and minor magnetite; vein quartz
100-115	Chlorite schist - light greenish-gray, very fine-grained; quartz, chlorite, sericite, feldspar, and minor amount of amphibole; vein quartz
115-130	"
130-145	"
145-160	Quartz-chlorite-sericite schist - light-gray, phyllitic; with sheared quartzite
160-175	Chlorite-sericite phyllite and quartzite - light greenish-gray, schistose phyllite with vein quartz; very light-gray, sheared, micaceous quartzite with traces of pyrite

OWNER: Virginia Wildlife Clubs, Inc.  
Lake of Woods - Wakefield Div. Well #1

#1938

175-190	Quartz-sericite-chlorite phyllite - very light-gray, very quartzose; hematite on slickensided surfaces
190-205	" with pink, finely-crystalline marble
205-220	Quartzite - very light-gray, sheared, micaceous; quartz-chlorite-sericite schist and phyllite; minor amounts of white-to-pinkish, finely-crystalline marble; a few grains of pyrite and magnetite
220-235	" minor amount of red quartzites and phyllites
235-250	"
250-265	Phyllite - medium gray-green, very quartzose; quartz, chlorite, sericite and minor pyrite; vein quartz
265-280	" with minor amount of quartzite
280-295	Quartzose sericite phyllite - medium gray-green, very fine-grained, sheared; chlorite, quartz, sericite, and minor amount of pyrite
295-310	"
310-325	"

GEOLOGIC SUMMARY

ROCK UNIT

AGE

Evington Group

Early Paleozoic

Virginia Division of Mineral Resources  
T. M. Gathright, Geologist  
January 16, 1968