

OWNER: Va. Wildlife Clubs, Inc. Lake-of-the-Woods VDMR: 2181
 (Hollyfield Div., Well #1) WWCR: 89
 DRILLER: Sydnor Hydrodynamics, Inc. TOTAL DEPTH: 250'
 COUNTY: Orange (Locust Grove)

GEOLOGIC LOG

<u>Depth in feet</u>	
0-7	Loam -- tan, weathered and iron-oxide stained; minor amount of organic material
7-30	Sand -- gray, minor amount of iron-oxide staining, fine- to very-coarse sand; poorly-sorted, rounded to subangular; quartz, fragments
30-45	" tan; with minor amounts of silt and clay
45-61	Metamorphosed quartz diorite -- tan-gray, slightly weathered and iron-oxide stained, fine-grained; feldspar, amphiboles, epidote, and quartz; trace of pyrite
61-76	" gray; no weathering or iron-oxide stains
76-91	" "
91-106	" "
106-121	" "
121-136	" "
136-151	" "
151-166	" "
166-181	" "
181-196	" " slickensides
196-211	" "
211-226	Anorthosite -- gray, aphanitic to phaneritic; feldspar, and quartz, traces of amphiboles and epidote
226-241	Metamorphosed quartz diorite -- gray, fine-grained; feldspar, amphiboles, epidote, and quartz; trace of pyrite
241-250	" "

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-7'	Soil	—
7-45'	Sand	Quaternary
45-250'	Evington Group (?)	Early Cambrian (?)

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
May 15, 1968

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: February 21, 1968

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	1	IV Top soil	
1	7	Rotten granite	
7	130	Gray granite	
130	130 $\frac{1}{2}$	Weathered granite, water	
130 $\frac{1}{2}$	195	Gray granite	
195	196	Weathered granite, water	
196	215	Gray granite	
215	218	Quartz	
218	219	Weathered rock, water	
219	250	Gray granite	