

OWNER: Rappahannock Mfg. Inc. # 1
DRILLER: Sydnor Pump & Well Co., Inc.
COUNTY: Rappahannock (Flint Hill)

VDMR #721
WWCR # 32
TOTAL DEPTH: 168

SAMPLE DESCRIPTION
(washed)

- 0-15 Granite - light gray, green, and white, hard, medium grained, 65% weathered feldspar, 20% quartz, 10% fine grained biotite, trace of blue quartz (top of bedrock in this interval)
- 30 Granite - light gray, green, and white, hard, medium grained, schistose, trace of blue quartz, (X-ray analysis: microcline 40%, plagioclase 25%, quartz 20%, and biotite 15%)
- 45 Granite - light gray, green, and white, hard, medium grained, schistose, 60% feldspar, 20% quartz, 15% fine grained biotite, heavy trace of iron staining
- 60 Granite - light gray, green, and white, hard, medium grained, 65% feldspar, 20% quartz, 10% fine grained biotite, trace of iron oxide
- 75 Granite - light gray and white, hard, medium grained, 60% feldspar, 15% quartz, 20% fine grained biotite, trace of iron oxide
- 90 Granite - light gray and white, hard, medium grained, 60% feldspar, 25% quartz, 10% fine grained biotite, trace of iron oxide and pyrite.
- 105 Granite - light gray and white, hard, medium grained, 60% feldspar, 25% quartz, 10% fine grained biotite, trace of iron oxide
- 120 As above
- 135 Granite - light gray and white, hard, medium grained 65% feldspar, 20% quartz, 10% fine grained biotite, traces of iron oxide, pyrite, and blue quartz

- 140 Granite - light gray and white, hard, medium grained, schistose, 50% feldspar, 25% quartz, 20% fine grained biotite, slight trace of iron oxide
- 150 Schist - black, moderately hard, fine grained, dense massive (X-ray analysis: biotite 40%, 30% plagioclase, 20% quartz, 10% amphibole)
- 165 Granite - light gray and white, hard, medium to fine grained, 50% feldspar, 25% quartz, 20% fine grained biotite, trace of iron oxide and pyrite

GEOLOGIC SUMMARY

<u>AGE</u>	<u>FORMATION OR UNIT</u>
Pre-Cambrian	Granite injection complex

Virginia Division of Mineral Resources
Merrick S. Whitfield, Geologist
October 8, 1962