

OWNER: James E. Layne
DRILLER: C. R. Moore (Ollie Gibson)
COUNTY: Albemarle (Earlsville)

VDMR # 758
WWCR # 755
TOTAL DEPTH:201

SAMPLE DESCRIPTION
(Washed Samples)

0-32	No samples (Top of bedrock in this interval)
32-40	Biotite schist - black and white, hard, dense, medium to coarse grained, 40% feldspar, 40% quartz, 18% biotite, trace of small garnet crystals, red clay, and iron oxide.
40-50	Biotite schist - black with some white, very hard, dense, medium grained (X-ray analysis: 50% plagioclase feldspar, 25% biotite, 23% quartz) trace of garnet and iron oxide.
50-60	Biotite schist - white, and black, hard, dense to moderately permeable, fine to medium grained, 45% feldspar, 30% biotite, 23% quartz, trace of brown weathered material.
60-70	Biotite schist - brown with some white, moderately hard and permeable, fine grained, 50% feldspar, 30% quartz, 18% biotite, heavy trace of garnet and iron oxide.
70-80	Biotite schist - black and white, very hard, dense, medium grained, 40% feldspar, 40% quartz, 18% biotite, slight trace of weathered material.
80-90	Granite gneiss - black and white, very hard, dense, coarse grained (X-ray analysis: 40% orthoclase feldspar, 30% plagioclase feldspar, 20% quartz, 8 % biotite).
90-100	As above
100-110	As above
110-120	As above
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 Biotite schist - black with some white, hard, dense, medium grained, 35% feldspar, 35% quartz, 28% biotite, slight trace of weathered material.
- 191-192 Biotite schist - black with some white, hard, dense, medium grained, 35% feldspar, 35% quartz, 28% biotite, heavy trace of weathered material.
- 192-201 Biotite schist - black with some white, hard, dense, medium grained (X-ray analysis: 35% plagioclase feldspar, 35% quartz, 28% biotite).

GEOLOGIC SUMMARY

AGE

Precambrian

ROCK UNIT

Lovington formation

Virginia Division of Mineral Resources
Merrick S. Whitfield - Geologist
January 25, 1963