

INTERVAL SHEET

WWCR - 935

Page 1 of 1

VDMR Well No: 1074

Date rec'd: 6/30/64

Sample Interval: from 0 to 340

PROP: National Park Service
(Dundo Test Hole #2, Site #1)

Number of samples: 68

COMP: Martin Drilling Company

Total Depth: 340'

COUNTY: Albemarle (Shenandoah Natl. Park) Oil or Gas: Water: ^X Exploratory:
Washed samples only

From-To	From-To	From-To	From-To
0 - 5	150 - 155	300 - 305	-
5 - 10	155 - 160	305 - 310	-
10 - 15	160 - 165	310 - 315	-
15 - 20	165 - 170	315 - 320	-
20 - 25	170 - 175	320 - 325	-
25 - 30	175 - 180	325 - 330	-
30 - 35	180 - 185	330 - 335	-
35 - 40	185 - 190	335 - 340	-
40 - 45	190 - 195	-	-
45 - 50	195 - 200	-	-
50 - 55	200 - 205	-	-
55 - 60	205 - 210	-	-
60 - 65	210 - 215	-	-
65 - 70	215 - 220	-	-
70 - 75	220 - 225	-	-
75 - 80	225 - 230	-	-
80 - 85	230 - 235	-	-
85 - 90	235 - 240	-	-
90 - 95	240 - 245	-	-
95 - 100	245 - 250	-	-
100 - 105	250 - 255	-	-
105 - 110	255 - 260	-	-
110 - 115	260 - 265	-	-
115 - 120	265 - 270	-	-
120 - 125	270 - 275	-	-
125 - 130	275 - 280	-	-
130 - 135	280 - 285	-	-
135 - 140	285 - 290	-	-
140 - 145	290 - 295	-	-
145 - 150	295 - 300	-	-

OWNER: National Park Service (Shenandoah)
(Dundo Test Hole #2, Site #1)
DRILLER: F. W. Martin Drilling Company
COUNTY: Albemarle (Shenandoah Natl. Park)

VDMR: 1074
WWCR: 935
TOTAL DEPTH: 340'

GEOLOGIC LOG

Depth in feet

LOUDOUN FORMATION (0-130')

0-5	Phyllite - purplish-gray with yellow segregations along cleavage planes; very fine grained; a few quartz grains; weathered buff and tan.
5-10	"
10-15	" very deeply weathered.
15-20	" "
20-25	" trace of vein quartz.
25-30	" "
30-35	" "
35-40	" "
40-45	" "
45-50	" "
50-55	" "
55-60	" "
60-65	" "
60-65	Phyllite - greenish-gray; very deeply weathered; with chlorite, sericite, quartz, clay; well-developed cleavage; trace of vein quartz.
65-70	" slightly weathered
70-75	" "
75-80	" "
80-85	Phyllite - dark greenish- and purplish-gray; with yellowish segregations along cleavage planes; sericite, chlorite, clay, trace of vein quartz.
85-90	"
90-95	"

OWNER: National Park Service (Shenandoah)
(Dundo Test Hole #2, Site #1)

#1074

- 95 - 100 Phyllite - dark greenish- and purplish-gray; with yellowish segregations along cleavage planes; sericite, chlorite, clay, trace of vein quartz.
- 100-105 " with feldspar amygdules; less fissile.
- 105 - 110 " " "
- 110 - 115 " " "
- 115 - 120 " " "
- 120 - 125 Phyllite - medium-light purplish-gray; very fine-grained, lusterous; ilmenite-bearing vein quartz; some light yellowish-gray, fine-grained, massive metamorphosed basalt; some weathered material; phyllite is slightly magnetic.
- 125 - 130 " no vein quartz.

CATOCTIN FORMATION (130 - 340')

- 130 - 135 Greenstone - light greenish-gray, weathered to greenish-tan; very fine grained; massive, magnetic; some light purplish-gray phyllite, and vein quartz.
- 135 - 140 " "
- 140-145 " no vein quartz.
- 145 - 150 " "
- 150 - 155 " "
- 155 - 160 " "
- 160 - 165 " trace of vein quartz.
- 165 - 170 " considerable vein quartz.
- 170 - 175 Phyllite - light purplish-gray; very fine grained, iron stained, magnetic; some vein quartz.
- 175 - 180 " "

OWNER: National Park Service (Shenandoah)
(Dundo Test Hole #2, Site #1)

#1074

- 180 - 185 Greenstone - yellowish gray; fine grained, massive, slightly weathered and magnetic; trace of phyllite.
- 185 - 190 "
- 190 - 195 "
- 195 - 200 " with iron-oxide stains and limonite cement; weathered.
- 200 - 205 Greenstone - medium greenish-gray; fine grained, massive; amygdules of epidote and feldspar; slightly weathered.
- 205 - 210 "
- 210 - 215 "
- 215 - 220 "
- 220 - 225 Andesitic basalt - purplish gray; fine grained, massive; amygdules of feldspar.
- 225 - 230 "
- 230 - 235 Andesitic basalt - dark purplish-gray; fine grained, massive; disseminated grains of greenish feldspar.
- 235 - 240 "
- 240 - 245 "
- 245 - 250 "
- 250 - 255 "
- 255 - 260 "
- 260 - 265 "
- 265 - 270 " some amygdules of quartz, feldspar and epidote.
- 270 - 275 " "
- 275 - 280 " many amygdules of quartz, feldspar, and epidote.
- 280 - 285 " "

OWNER: National Park Service (Shenandoah)
(Dundo Test Hole #2, Site #1)

#1074

- 285 - 290 Andesitic basalt - dark purplish-gray and greenish-gray; fine grained, massive; pink amygdules of feldspar and epidote; some quartz fragments.
- 290 - 295 "
- 295 - 300 "
- 300 - 305 "
- 305 - 310 "
- 310 - 315 "
- 315 - 320 "
- 320 - 325 "
- 325 - 330 " with considerable asbestos.
- 330 - 335 "
- 335 - 340 " some gray-green phyllite with slickensides.

GEOLOGIC SUMMARY

<u>Rock Unit</u>		<u>Age</u>
0 - 130'	Loudoun Formation	Cambrian
130 - 340'	Catoctin Formation	

Virginia Division of Mineral Resources
T. M. Gathright, Geologist
May 23, 1967