INTERVAL SHEET

WWCR - 973

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VDMR Well No: 1811

Date rec'd: February 14, 1967

Sample Interval: from 2 to 117

PROP: Virginia Division of Mineral Resources (Dundo Exploration Hole #2)

Number of samples: 105

COMP: Sydnor Hydrodynamics

Total Depth: 118

COUNTY: Albemarle (Shenandoah National Park)

Oil or Gas: Water: Exploratory: X

From-To	From-To	From-To	From-To
No sample	33 - 34	67 - 68	97 - 98
2 - 3	34 - 35	68 - 69	No sample
3 - 4	35 - 36	69 - 70	99 - 100
4 - 5	36 - 37	70 - 71	100 - 101
5 - 6	37 - 38	71 - 72	101 - 102
6 - 7	38 - 39	72 - 73	102 - 103
7 - 8	39 - 40	73 - 74	103 - 104
8 - 9	40 - 41	74 - 75	104 - 105
9 - 10	41 - 42	75 - 76	105 - 106
10 - 11	42 - 43	76 - 77	106 - 107
11 - 12	43 - 44	77 - 78	107 - 108
12 - 13	44 - 45	78 - 79	108 - 109
13 - 14	45 - 46	79 - 80	109 - 110
14 - 15	46 - 47	No sample	110 - 111
15 - 16	47 - 48	81 - 82	111 - 112
16 - 17	48 - 49	82 - 83	No sample
17 - 18	49 - 50	83 - 84	113 - 114
18 - 19	50 - 51	84 - 85	114 - 115
19 - 20	51 - 52	85 - 86	115 - 116
20 - 21	52 - 53	86 - 87	116 - 117
21 - 22	53 - 54	87 - 88	No sample
No samples	54 - 55	88 - 89	-
25 - 26	55 - 60	89 - 90	-
26 - 27	60 - 61	90 - 91	-
27 - 28	61 - 62	91 - 92	-
28 - 29	62 - 63	92 - 93	-
29 - 30	63 - 64	93 - 94	-
30 - 31	64 - 65	94 - 95	-
31 - 32	65 - 66	95 - 96	-
32 - 33	66 - 67	96 - 97	-

All intervals have both washed and unwashed samples

OWNER: Virginia Division of Mineral Resources
(Dundo Exploration Hole #2)
DRILLER: Sydnor Pump & Well Company
COUNTY: Albemarle (Shenandoah National Park)

VDMR: 1811
WWCR: 973
TOTAL DEPTH: 118'

GEOLOGIC LOG

Depth (feet)	
0 - 2	No sample
Weaverton Formation (2 - 91)	
2 - 3	Quartz - Sericite-Phyllite - gray, buff, and brown; with some graphite, magnetite, and coarse-grained quartzite.
3 - 4	" with sub-rounded quartz granules and angular quartz fragments.
4 - 5	Conglomeratic quartzite - reddish-brown; some gray, buff, and brown quartz - sericite-phyllite with graphite, magnetite, and rounded to sub-rounded quartz granules.
5 - 6	"
6 - 7	"
7 - 8	Quartz - Sericite-phyllite - gray, buff, and brown; with some graphite and magnetite; minor amount of quartz - granule - conglomerate.
8 - 9	"
9 - 10	"
10 - 11	"
11 - 12	"
12 - 13	Conglomeratic phyllite - buff; with quartz, sericite, and graphite.
13 - 14	" with some conglomeratic quartzite.
14 - 15	" "
15 - 16	Quartz - Granule - Conglomerate and Conglomeratic Quartz - Sericite - Phyllite - gray, buff, and brown; with some magnetite, graphite, and rounded to sub-rounded quartz granules.
16 - 17	"

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17 - 18	Quartz - Sericite - Phyllite - gray, buff, and brown; with some magnetite and graphite; fragments of quartz - granule - conglomerate, and rounded to sub-rounded quartz - granules.
18 - 19	" with some conglomeratic phyllite.
19 - 20	" "
20 - 21	" "
21 -22	" "
22 - 25	No samples
25 - 26	Quartz - Sericite - Phyllite - gray, buff, and brown; with some magnetite and graphite; fragments of quartz - granule - conglomerate, and rounded to sub-rounded quartz granules.
26 - 27	Quartz - Sericite - Phyllite - buff and brown.
27 - 28	" with some magnetite and graphite.
28 - 29	" " and pyrite.
29 - 30	" " "
30 - 31	" " "
31 - 32	" "
32 - 33	Quartz - Sericite - Phyllite - buff and brown; with some graphite.
33 - 34	"
34 - 35	Quartz - Sericite - Phyllite and Conglomeratic Phyllite - gray, buff, and brown; with some graphite and pyrite.
35 - 36	" with some quartzite, conglomerate-quartzite, and vein quartz.
36 - 37	" "
37 - 38	Quartz-Granule and Quartz-Pebble Conglomerate - gray, buff, and brown; with magnetite and graphite; some conglomerate quartzite, quartz-sericite-phyllite, and conglomeratic phyllite with vein quartz, quartz granules, and quartz pebbles.

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38 - 39 Quartz-Granule and Quartz-Pebble Conglomerate - gray, buff, and brown; with magnetite and graphite; some conglomerate quartzite, quartz-sericite-phyllite, and conglomeratic phyllite with vein quartz, quartz granules, and quartz pebbles, with some hornblende.

39 - 40 "

40 - 41 "

41 - 42 "

42 - 43 "

43 - 44 Quartz-Sericite-Phyllite - medium-gray; with graphite and magnetite; some conglomeratic phyllite and quartz granules.

44 - 45 " "

45 - 46 " " and vein quartz.

46 - 47 " " "

47 - 48 Quartz-Sericite-Phyllite - medium-gray and brown; with magnetite, graphite, and some vein quartz.

48 - 49 " with some conglomeratic phyllite and quartz granules.

49 - 50 " with some conglomeratic phyllite, magnetite, and conglomerate quartzite.

50 - 51 Quartz-Sericite-Phyllite and Conglomeratic Phyllite - medium-gray and brown; with some magnetite, graphite, quartz granules, and vein quartz.

51 -52 "

52 - 53 Quartz-Sericite-Phyllite - medium-gray and black; with magnetite and graphite.

53 - 54 "

54 - 55 "

55 - 60 "

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60-61 Quartz-Sericite-Phyllite and Conglomeratic Phyllite - medium-gray; with magnetite and graphite.

61-62 " with quartz-granule-conglomerate and conglomerate-quartzite; some rose quartz.

62-63 Quartz-Sericite-Phyllite - medium-gray; with magnetite, graphite, and some fragments of quartzite and conglomerate-quartzite.

63-64 "

64-65 "

65-66 "

66-67 Quartzite and Conglomerate-Quartzite - medium-gray and brown; with iron-oxide stains; fragments of quartz-sericite-phyllite and conglomeratic phyllite with graphite and weathered feldspathic metacrysts.

67-68 "

68-69 "

69-70 "

70-71 "

71-72 " with some vein quartz.

72-73 Quartz-Sericite-Phyllite - medium-gray with magnetite and graphite; some fragments of quartz-granule-conglomerate, quartzite, and conglomerate-quartzite.

73-74 Quartz-Sericite-Phyllite and Conglomeratic Phyllite - medium gray and brown; with some graphite, magnetite, quartzite, quartz granules, and vein quartz.

74-75 "

75-76 Quartz-Sericite-Phyllite - medium-gray and brown; some vein quartz.

76-77 "

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77-78 Quartz-Sericite-Phyllite - medium-gray; with magnetite, graphite, and some black, argillaceous, foliated, dolomitic limestone.

78-79 "

79-80 Quartz-Sericite-Phyllite - medium-gray; with magnetite and graphite.

80-81 No sample

81-82 Quartz-Sericite-Phyllite - medium-gray; with magnetite and graphite.

82-83 " with quartzite and black, argillaceous, foliated, dolomitic limestone. (X-ray analysis)

83-84 "

84-85 Quartz-Sericite-Phyllite - medium-gray; with magnetite and graphite.

85-86 "

86-87 " with some vein quartz.

87-88 " "

88-89 " "

89-90 " "

90-91 " "

LOUDOUN FORMATION (91-117')

91-92 Phyllite - medium-gray, dark-gray, and purple; nodular; with iron-oxide stains and some vein quartz.

92-93 "

93-94 "

94-95 "

95-96 "

OWNER: Virginia Division of Mineral Resources #1811
(Dundo Exploration Hole #2)

96 - 97	Albite - Chlorite Schist - yellowish-brown; garnetiferous; some plagioclase metacrysts in a mafic matrix.
97 - 98	"
98 - 99	No sample
99 - 100	Albite - Chlorite Schist - yellowish- brown; garnetiferous; some plagioclase metacrysts in a mafic matrix.
100 - 101	Quartz - Sericite - Phyllite with some magnetite and plagioclase metacrysts in a mafic matrix.
101 - 102	" with some nodular purple phyllite.
102 - 103	" with some yellowish-brown, garnetiferous, albite - chlorite schist
103 - 104	" "
104 - 105	" "
105 - 106	Quartz-Sericite-Phyllite - magnetite and plagioclase metacrysts in a mafic matrix; with some yellowish-brown, garnetiferous schist and dark-gray, magnetite-bearing schist.
106 - 107	" "
107 - 108	Schist - green and light green; magnetite-bearing; with vein calcite; some buff quartz-sericite-phyllite and purple phyllite with slickensides.
108 - 109	"
109 - 110	Schist - green and light green; magnetite-bearing; with some calcite and slickensides.
110 - 111	"
111-112	"
112 - 113	No sample

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113 - 114	Schist - green and light green; magnetite-bearing; with some vein calcite and slickensides.
114 - 115	" with some pyrite.
115 - 116	" "
116 - 117	" "
117 - 118	No sample

GEOLOGIC SUMMARY

Rock Unit		Age
0 - 2	No sample	
2 - 91	Weaverton Formation	Early Cambrian
91 - 117	LoudounFormation	Early Cambrian

Virginia Division of Mineral Resources
W. W. Winters, Geologist
February 21, 1967