

OWNER: Riverside Manor Water Supply, Well #1
DRILLER: Sydnor Pump & Well Co., Inc.
COUNTY: Fairfax (Forestville)

VDMR: 1689
WWCR: 698
TOTAL DEPTH: 913'

GEOLOGIC LOG

Depth in feet

0-10	Metamorphosed mafic igneous intrusive - tan-gray with iron-oxide stains; fine-grained to microcrystalline, hypidiomorphic; quartz, sericite, feldspar, biotite, magnetite, tremolite and talc
10-20	Metamorphosed mafic igneous intrusive - gray; fine-grained to microcrystalline, hypidiomorphic; quartz, sericite, biotite, feldspar, magnetite, tremolite and talc, with trace of calcite
20-30	"
30-40	"
40-50	"
50-60	"
60-70	"
70-80	"
80-90	"
90-100	"
100-110	"
110-120	"
120-130	"
130-140	" very fine grained, schistose
140-150	" "
150-160	" aphanitic, phyllitic

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160-170	Quartz-Sericite Phyllite - silver-gray to gray; aphanitic, foliated, soft, schistose; sericite, biotite, feldspar, quartz and amphiboles with traces of chlorite and magnetite
170-180	"
180-190	"
190-200	"
200-210	"
210-220	"
220-230	"
230-240	"
240-250	Metamorphosed mafic igneous intrusive - gray; aphanitic, micro-crystalline to cryptocrystalline, schistose; quartz, biotite, sericite, magnetite and feldspar with trace of calcite
250-260	"
260-270	"
270-280	"
280-290	"
290-300	"
300-310	"
310-320	"
320-330	"
330-340	"
340-350	"
350-360	"
360-370	"
370-380	"
380-390	"

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390-400	Metamorphosed mafic igneous intrusive - gray; aphanitic, micro-crystalline to cryptocrystalline, schistose; quartz, biotite, sericite, magnetite and feldspar with trace of calcite
400-410	Quartz-Sericite-Phyllite - silver-gray to gray; aphanitic to very fine-grained, phaneritic; soft, very schistose; sericite, biotite, quartz, feldspar and amphiboles with trace of chlorite
410-420	"
420-430	"
430-440	"
440-460	"
460-470	"
470-480	"
480-490	"
490-500	"
500-510	"
510-520	"
520-530	"
530-540	"
540-550	"
550-560	"
560-570	"
570-580	"
580-590	"
590-600	"
600-610	"
610-620	"
620-630	"

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630-640	Quartz-Sericite-Phyllite - silver-gray to gray; aphanitic to very fine-grained, phaneritic; soft, very schistose; sericite, biotite, quartz, feldspar and amphiboles with trace of chlorite
640-650	"
650-660	"
660-670	"
670-680	"
680-690	"
690-700	"
700-710	"
710-720	"
720-730	"
730-740	"
740-750	"
750-760	"
760-770	"
770-780	"
780-790	"
790-800	"
800-810	"
810-820	" mostly schist
820-830	" "
830-840	" "
840-850	" "
850-860	" "
860-870	" "

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870-880	Quartz-Sericite-Phyllite - silver-gray to gray; aphanitic to very fine-grained, phaneritic; soft, very schistose; sericite, biotite, quartz, feldspar and amphiboles with trace of chlorite ; mostly schist
880-890	"
890-900	"
900-910	"
910-913	No sample.

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-910	Wissahickon Formation (?)	Precambrian
910-913	No sample	

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
December 13, 1967