

OWNER: TOWN OF WARSAW
DRILLER: SYDNOR PUMP AND WELL CO.
COUNTY: RICHMOND (WARSAW)

VDMR# 687
WWCR# 70
DEPTH: 700

SAMPLE EXAMINATION
(unwashed samples)

0-10	Sand - tan to yellow, medium to coarse grained, rounded, clear quartz grains
10-20	Sand - light yellow, medium to very coarse grained, angular to subangular clear quartz grains, 1% blue quartz, 1% white feldspar
20-30	as above
30-40	as above
40-50	as above
50-60	Sand - light yellow, medium to coarse grained, subangular to subrounded clear quartz grains, heavy trace of blue quartz and white feldspar, trace of iron staining.
60-70	as above
70-80	Sand - medium gray, very fine to coarse grained, subrounded quartz grains, 15% gray clay, trace of iron staining, increase in compaction.
80-90	as above
90-100	as above
100-110	Clay - medium gray, hard, 5% silt.
110-120	Clay - medium gray, hard, 2% silt.
120-130	Clay - medium gray, hard, 5% silt, trace of coarse grained milky quartz grains.
130-140	Clay - medium gray, hard, 10% silt, calcareous, 1% shell fragments.
140-150	as above
150-160	Clay - medium gray, hard, 10% silt, calcareous, trace of shell fragments.
160-170	Clay medium gray, hard, 10% silt, calcareous, slight trace of shell fragments.
170-180	as above
180-190	Clay - medium gray, hard, 10% silt, calcareous

190-200	as above
200-210	as above
220-230	as above
230-240	as above
240-250	as above
250-260	as above
260-270	Marl - medium gray, moderately hard, highly calcareous, glauconitic, 20% shell fragments, 10% silt
270-280	as above
280-290	as above
290-300	as above
300-310	as above
310-320	as above
320-330	as above
330-340	Sand - medium gray moderately compacted, fine to medium grained, calcareous, glauconitic, argillaceous, 5% shell fragments
340-350	as above
350-360	as above
360-370	as above
370-380	as above
380-390	Sand - medium gray, moderately compacted, fine grained, with some coarse quartz grains, calcareous, glauconitic, argillaceous, trace of shell fragments.
390-400	as above
400-410	as above
410-420	as above
420-430	as above
430-440	as above
440-450	as above

450-460	Sand - medium gray, moderately compacted, fine grained with trace of quartz pea gravel size pebbles, calcareous, glauconitic, argillaceous
460-470	Sand - medium gray, moderately compacted, fine grained, calcareous, glauconitic, argillaceous.
470-480	as above
480-490	Sand - medium gray, moderately compacted, fine grained, calcareous, highly glauconitic, argillaceous, 1% shell fragments.
490-500	as above
500-510	as above
510-520	as above
520-530	as above
530-540	as above
540-550	as above
550-560	Sand - light gray, moderately compacted, fine to coarse grained, calcareous, glauconitic, argillaceous, trace of shell fragments trace of blue quartz grains.
560-570	as above
570-580	as above
580-590	Clay - dark gray, moderately hard, calcareous, 10% silt trace of shell fragments.
590-600	as above
600-610	as above
610-620	as above
620-630	Sand - light gray, moderately compacted, fine to coarse grained, calcareous, glauconitic highly argillaceous, trace of shell fragments.
630-640	as above
640-650	as above
650-660	Sand - light gray, moderately compacted, fine to coarse grained, calcareous, glauconitic, argillaceous, trace of shell fragments.
660-670	as above
670-680	as above
680-690	as above

690-700 as above

GEOLOGIC SUMMARY

<u>Age</u>	<u>FORMATION OR UNIT</u>
0-70	Quaternary
70-260	Pleistocene
260-700	Chesapeake Group
	Pamunkey Group

Virginia Division of Mineral Resources
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