



**EXPLANATION OF SYMBOLS
(map and cross-section)**

<p>R2255 Well number</p> <p>I ● Industrial well</p> <p>O ● Observation well</p> <p>P ● Public supply well</p> <p>R ● Irrigation well</p> <p>T ● Test well-bearing</p> <p>× Sand/gravel pit</p> <p style="margin-left: 20px;">A: active</p> <p style="margin-left: 20px;">Ab: abandoned</p> <p style="margin-left: 20px;">R: reclaimed</p> <p>~~~~~ Unconformity</p> <p>— 350 — Elevation of base of Manokin formation in feet below mean sea level</p> <p>A — A' Line of hydrogeologic cross-section</p>	<p style="text-align: center;">Aquifers</p> <p>clg: Columbia Group aquifer</p> <p>psw: Pocomoke aquifer</p> <p>clgpo: Columbia Pocomoke aquifer</p> <p>mrk: Manokin aquifer</p> <p style="text-align: center;">Tide and Streamgages</p> <p>▲ Continuous record tide gage</p> <p>▽ Partial record tide gage</p> <p>△ Continuous record streamgage</p> <p>▽ Partial record streamgage</p> <p style="text-align: center;">Streamgages</p> <p>USGS</p> <p>0246401 Number</p> <p>Drainage area (sq. mi.)</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>8.2</td> </tr> <tr> <td>121.6 (4.49)</td> </tr> </table> <p>Lowest recorded flow (cfs)—Highest recorded flow (cfs)</p>	8.2	121.6 (4.49)
8.2			
121.6 (4.49)			

HYDROGEOLOGIC CROSS-SECTION

A P851-19 Q851-9 Q853-4 Q853-2 R215-1 R225-5 **A'**

mean sea level

100

200

300

400

500

600

700

Fe

Tk

Ts

Tch

TD 1007

TD 287

TD 101

TD 330

TD 103

TD 109

TD 105

TD 106

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MONTHLY PRECIPITATION AT LEWES
(1951-1985) NOAA STATION 5320

Station 5320 is located 16.1 miles southeast of Rehoboth Beach at Latitude 33°49' 00" and Longitude 75°39' 00".

HYDROGRAPH, WELL Qe44-1, COLUMBIA GROUP AQUIFER

DEPTH TO WATER, FT.
BELOW LAND SURFACE

Depth: 25 ft.
Datum: land surface (approx. + 49.6 mean sea level)

1977 1978 1979 1980 1981 1982 1983 1984 1985 1986

Note: Well Qe44-1 is located approximately 10 miles west of Frankfort at latitude N38°31'39" and longitude W79°28'02".

The figure contains two hydrographs, one for the Pocomoke Aquifer (top) and one for the Manokin Aquifer (bottom). Both graphs plot water level depth in feet against time from 1977 to 1986. The Pocomoke Aquifer graph shows a depth range from 12.0 to 18.0 feet, with a mean sea level of 14.6 feet. The Manokin Aquifer graph shows a depth range from 1.0 to 4.0 feet, with a mean sea level of 2.5 feet. Both graphs show significant seasonal fluctuations and a general downward trend in water levels over the decade.

HYDROGRAPH, WELL Qh54-6, POCOMOKE AQUIFER

DEPTH TO WATER, FT.
BELOW LAND SURFACE

Depth: 14.6 ft.
Datum: land surface (approx. - 35 ft. mean sea level)

1977 1978 1979 1980 1981 1982 1983 1984 1985 1986

HYDROGRAPH, WELL RJ22-5, MANOKIN AQUIFER *

DEPTH TO WATER, FT. ABOVE (+)
OR BELOW (-) LAND SURFACE

Depth: 4.0 ft.
Datum: land surface (approx. - 5 ft. mean sea level)

1977 1978 1979 1980 1981 1982 1983 1984 1985 1986

*Note: Water levels are affected by pumping in the Firewick, Inland and Ocean City areas.

[illegible]

	Aquifer	Specific Capacity (ft/s) (1)	Pumping Interval (days)	Yield (gpd)	Transmissivity (ft/s)
Columbia	20.7	8.0	352	22,500	
Columbia	32.0	1.0	1,056		
Manassas	36.3	20.0	1,056		
Columbia	46.4	8.0	208		
Columbia	40.8	4.7	214		
Columbia	40.0	1.0	1,056		
Columbia	21.0	65.0	500	21,000	
Columbia	31.8	25.0	700		
Columbia	11.4	11.0	600		
Columbia	24.0	—	240		
Columbia	33.3	4.0	200		
Pocomoke	36.3	40.0	297		
Pocomoke	15.8	20.0	333	8,000	
Pocomoke	29.0	24.0	272	8,500	
Pocomoke	12.8	24.0	500	4,300	
Pocomoke	15.1	4.0	128		

[illegible]

Milligrams per liter (m. of samples).
 Analyses based on more than one sample represent average concentrations.
 Coastal wells affected by salt water are excluded.

STIFF DIAGRAMS

Graphic representation of water quality

Concentration, milliequivalents per liter

Qh11-3, clg

Cl
HCO₃
SO₄

Concentration, milliequivalents per liter

Rj22-8, clg

Na+K
Ca
Mg
Fe

Cl
HCO₃
SO₄

Concentration, milliequivalents per liter

Qh54-7, clg

Cl
HCO₃
SO₄

Concentration, milliequivalents per liter

Qh54-6, poco

Cl
HCO₃
SO₄

Concentration, milliequivalents per liter

Rj22-7, poco

Na+K
Ca
Mg
Fe

Cl
HCO₃
SO₄

Concentration, milliequivalents per liter

Rj22-6, mkn

Na+K
Ca
Mg
Fe

Cl
HCO₃
SO₄