

SUSSEX COUNTY

365530077104002. Local number, 53D 6 SOW 179A.

LOCATION.--Lat 36°55'30", long 77°10'40", Hydrologic Unit 03010201, off State Highway 634, 1.4 mi south of State Highway 35, and 1.7 mi southeast of Homeville. Owner: Virginia Department of Environmental Quality.

AQUIFER.--Lower Potomac aquifer of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4.5 in. to 460 ft, diameter 2 in., 439 ft to 460 ft, depth 470 ft, screened 460 to 470 ft.

INSTRUMENTATION.--Occasional measurement with chalked tape by USGS personnel. Prior to Mar. 1, 1988, digital recorder 60-minute punch.

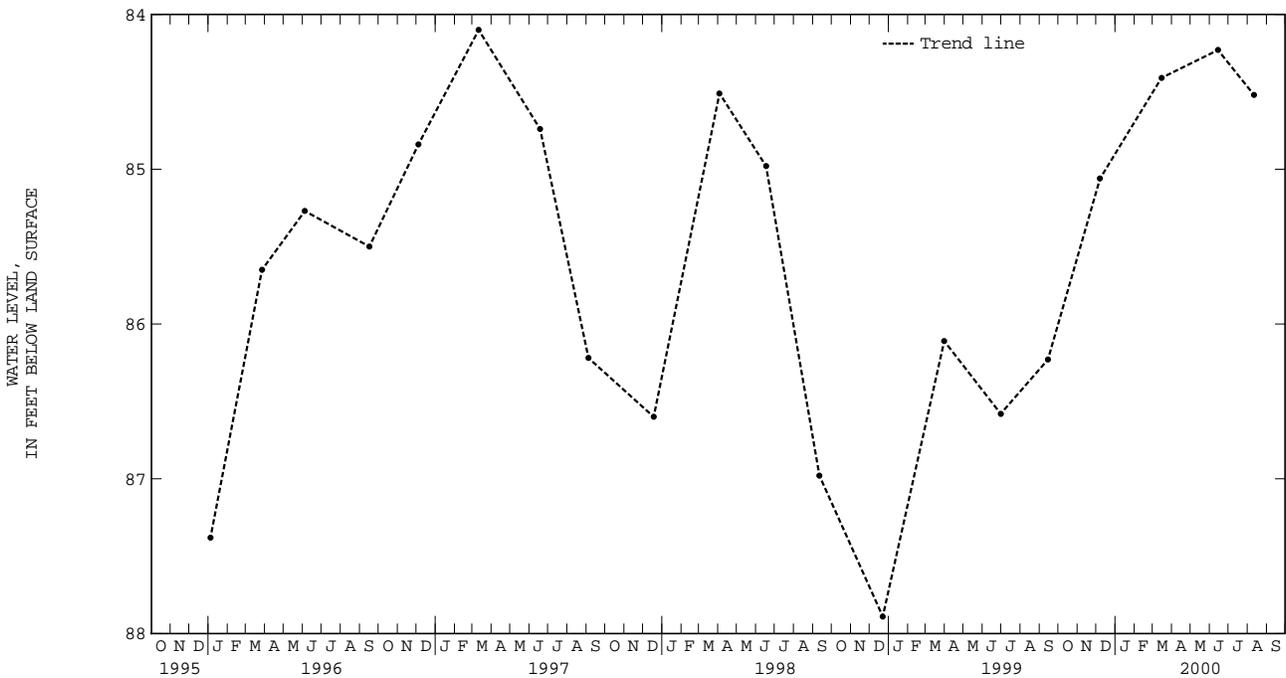
DATUM.--Elevation of land-surface datum is 90 ft above sea level, from topographic map. Measuring point: Top of casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--November 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 78.50 ft below land-surface datum, Feb. 12, 1988; lowest measured, 87.89 ft below land-surface datum, Dec. 22, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DATE            | WATER LEVEL | DATE    | WATER LEVEL | DATE         | WATER LEVEL | DATE   | WATER LEVEL        |
|-----------------|-------------|---------|-------------|--------------|-------------|--------|--------------------|
| DEC 07          | 85.06       | MAR 15  | 84.41       | JUN 14       | 84.23       | AUG 11 | 84.52              |
| WATER YEAR 2000 |             | HIGHEST | 84.23       | JUN 14, 2000 |             | LOWEST | 85.06 DEC 07, 1999 |



GROUND-WATER LEVELS

SUSSEX COUNTY

365530077104006. Local number, 53D 10 SOW 179E.

LOCATION.--Lat 36°55'30", long 77°10'40", Hydrologic Unit 03010201, off State Highway 634, 1.4 mi south of State Highway 35, and 1.7 mi southeast of Homeville. Owner: Virginia Department of Environmental Quality.

AQUIFER.--Middle Potomac aquifer of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4.5 in. to 130 ft, diameter 4 in. from 140 to 145 ft, depth 145 ft, screened 130 to 140 ft.

INSTRUMENTATION.--Occasional measurement with chalked tape by USGS personnel. Prior to Mar. 1, 1988, digital recorder 60-minute punch.

DATUM.--Elevation of land-surface datum is 90 ft above sea level, from topographic map. Measuring point: Top of casing, 1.3 ft above land-surface datum.

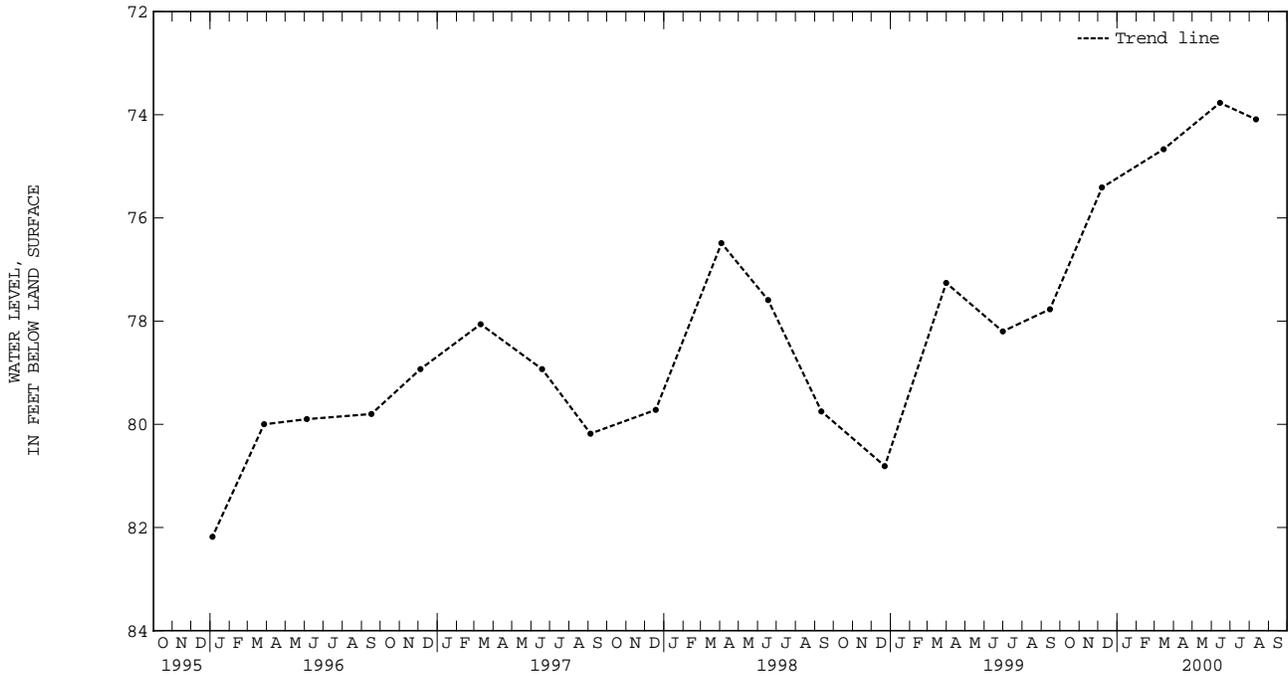
REMARKS.--Water level affected by local pumpage and regional drawdown.

PERIOD OF RECORD.--December 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.77 ft below land-surface datum, Jun. 14, 2000; lowest measured, 82.50 ft below land-surface datum, Sep. 12, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DATE                    | WATER LEVEL | DATE   | WATER LEVEL  | DATE   | WATER LEVEL | DATE   | WATER LEVEL        |
|-------------------------|-------------|--------|--------------|--------|-------------|--------|--------------------|
| DEC 07                  | 75.41       | MAR 15 | 74.67        | JUN 14 | 73.77       | AUG 11 | 74.09              |
| WATER YEAR 2000 HIGHEST |             | 73.77  | JUN 14, 2000 |        | LOWEST      |        | 75.41 DEC 07, 1999 |



SUSSEX COUNTY

365530077104007. Local number, 53D 11 SOW 179F.

LOCATION.--Lat 36°55'30", long 77°10'40", Hydrologic Unit 03010201, off State Highway 634, 1.4 mi south of State Highway 35, and 1.7 mi southeast of Homeville. Owner: Virginia Department of Environmental Quality.

AQUIFER.--Aquia aquifer of Paleocene age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4.5 in. to 82 ft, diameter 4 in. from 92 to 97 ft, depth 97 ft, screened 82 to 92 ft.

INSTRUMENTATION.--Occasional measurement with chalked tape by USGS personnel. Prior to Mar. 1, 1988, digital recorder 60-minute punch.

DATUM.--Elevation of land-surface datum is 90 ft above sea level, from topographic map. Measuring point: Top of casing, 1.0 ft above land-surface datum.

REMARKS.--Water level affected by local pumpage.

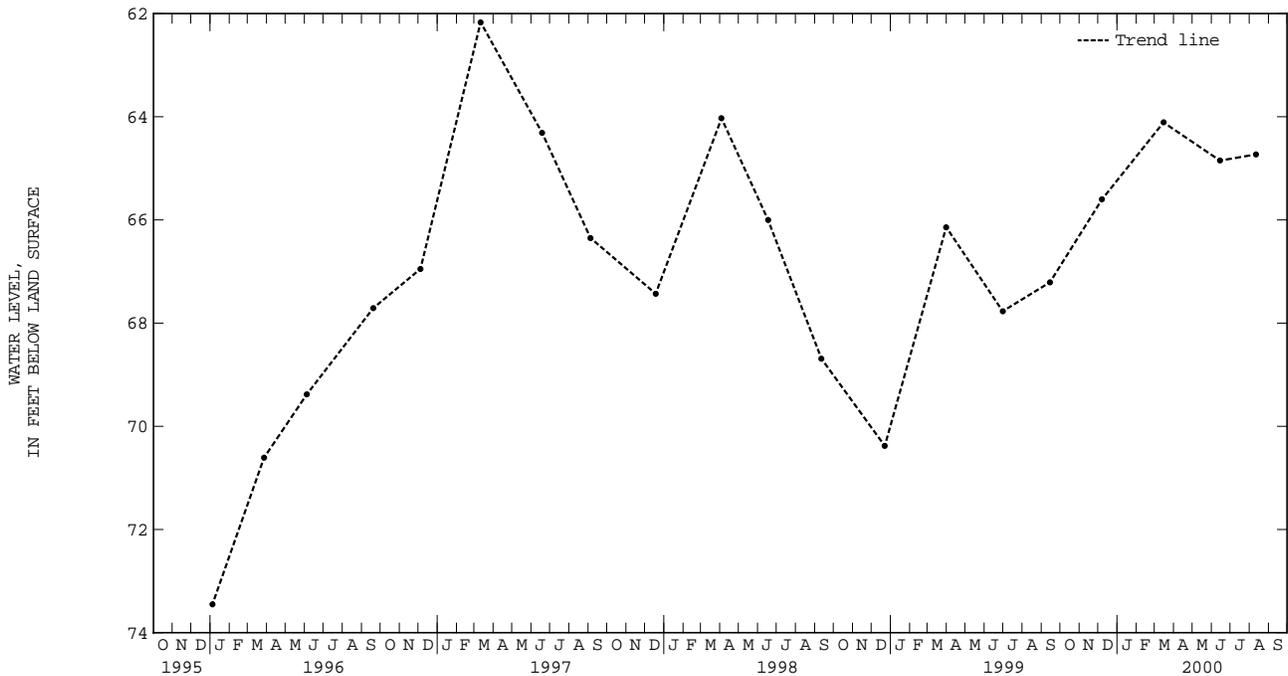
PERIOD OF RECORD.--December 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.17 ft below land-surface datum, Mar. 11, 1997; lowest recorded, 77.16 ft below land-surface datum, Nov. 28 to Dec. 1, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DATE   | WATER LEVEL |
|--------|-------------|--------|-------------|--------|-------------|--------|-------------|
| DEC 07 | 65.60       | MAR 15 | 64.11       | JUN 14 | 64.85       | AUG 11 | 64.73       |

WATER YEAR 2000      HIGHEST    64.11    MAR 15, 2000      LOWEST    65.60    DEC 07, 1999



GROUND-WATER LEVELS

SUSSEX COUNTY

365235077150501. Local number, 53E 5 SOW 045.

LOCATION.--Lat 37°02'37", long 77°11'30", Hydrologic Unit 03010201, 400 ft northeast of State Highway 625, 2.5 mi north of Newville. Owner: Butler Lumber Company.

AQUIFER.--Aquia aquifer of Paleocene age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 4 in., depth 172 ft, screened 162 to 172 ft.

INSTRUMENTATION.--Occasional measurement with chalked tape by USGS personnel. Prior to Mar. 1, 1989, bimonthly measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel.

DATUM.--Elevation of land-surface datum is 126.65 ft above sea level. Measuring point: Top of casing, 0.3 ft above land-surface datum prior to Mar. 8, 1988; 1.2 ft thereafter.

REMARKS.--Water level affected by local pumpage and regional drawdown.

PERIOD OF RECORD.--September 1971, October 1974 to current year. Unpublished records available prior to October 1985 in files of the Virginia Department of Environmental Quality - Water Division.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.90 ft below land-surface datum, Mar. 16, 1976; lowest measured, 95.82 ft below land-surface datum, Dec. 22, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DATE            | WATER LEVEL | DATE    | WATER LEVEL | DATE         | WATER LEVEL | DATE   | WATER LEVEL  |
|-----------------|-------------|---------|-------------|--------------|-------------|--------|--------------|
| DEC 07          | 91.69       | MAR 15  | 90.92       | JUN 14       | 91.44       | AUG 11 | 91.82        |
| WATER YEAR 2000 |             | HIGHEST | 90.92       | MAR 15, 2000 | LOWEST      | 91.82  | AUG 11, 2000 |

