

GROUND-WATER LEVELS

SOUTHAMPTON COUNTY

364109077230701. Local number, 51B 3.

**LOCATION.**--Lat 36°41'10", long 77°23'06", NAD83, Hydrologic Unit 03010201, 150 ft, west of the intersection of U.S. Highway 58 and State Highway 615, and 0.5mi south of Adams Grove. Owner: U.S. Geological Survey.

**AQUIFER.**--Middle Potomac aquifer of Cretaceous age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4 in., depth 175 ft, screened 165 to 175 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by USGS personnel. July 1977 to September 1995, digital recorder 60-minute punch. July 1975 to July 1977 continuous strip-chart recorder. Prior to July 1975 occasional measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 126 ft, above sea level, from topographic map. Measuring point: top of recorder shelf, 3.12 ft above land-surface datum.

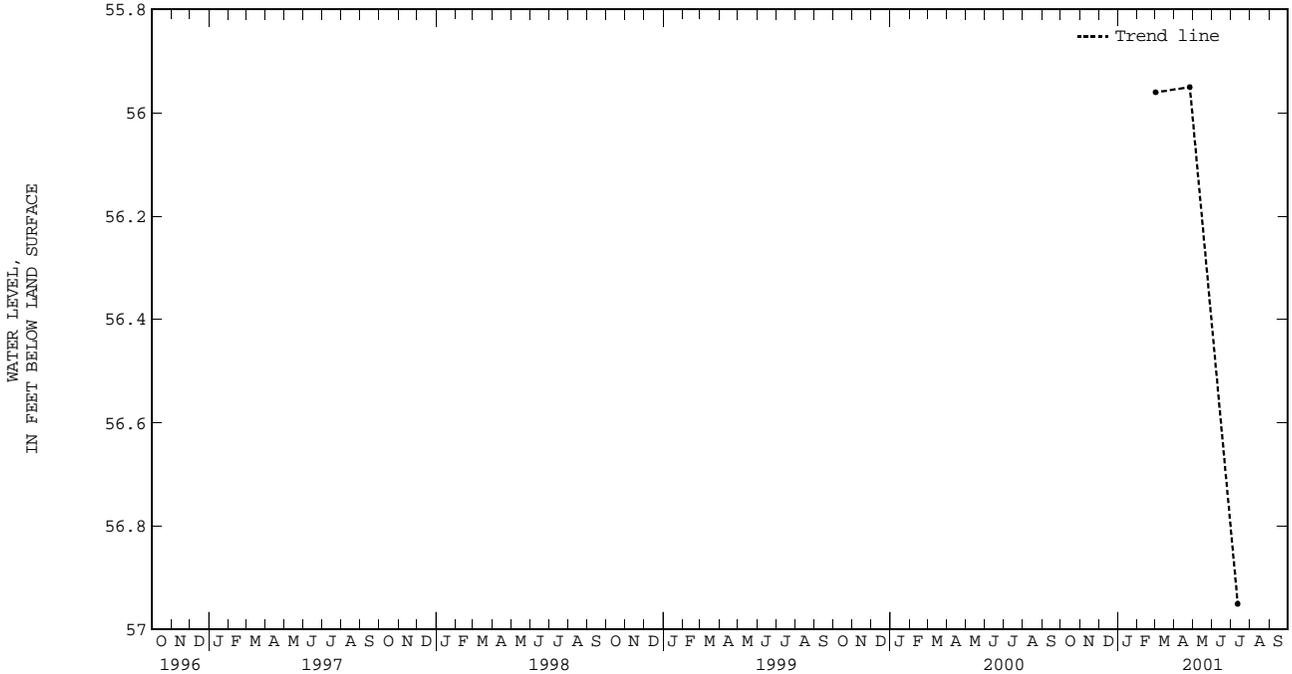
**REMARKS.**--Water level may be affected by regional drawdown. The depth of the well was reported incorrectly as 253 ft, for the period October 1981 to September 1993.

**PERIOD OF RECORD.**--October 1974 to September 1995. March 2001 to September 2001.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level recorded, 54.21 ft, below land-surface datum, Apr. 30, 1978; lowest recorded, 60.03 ft below land-surface datum, Oct. 24, 25, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL		
MAR 02	55.96	APR 26	55.95	JUL 12	56.95		
WATER YEAR 2001		HIGHEST	55.95	APR 26, 2001	LOWEST	56.95	JUL 12, 2001



GROUND-WATER LEVELS

SOUTHAMPTON COUNTY

363410077150801. Local number, 52A 1.

**LOCATION.**--Lat 36°34'11", long 77°15'07", NAD83, Hydrologic Unit 03010204, along Seaboard Coastline railroad, 0.15 mi northwest of intersection of State Highways 195 and 701 in Branchville. Owner: L. W. Grizzard.

**AQUIFER.**--Middle Potomac aquifer of Cretaceous age.

**WELL CHARACTERISTICS.**--Drilled withdrawal water well, diameter 4 in., depth 217 ft, screened 204 to 217 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by USGS personnel.

**DATUM.**--Elevation of land-surface datum is 44 ft above sea level, from topographic map. Measuring point: Top of casing, 0.8 ft above land-surface datum.

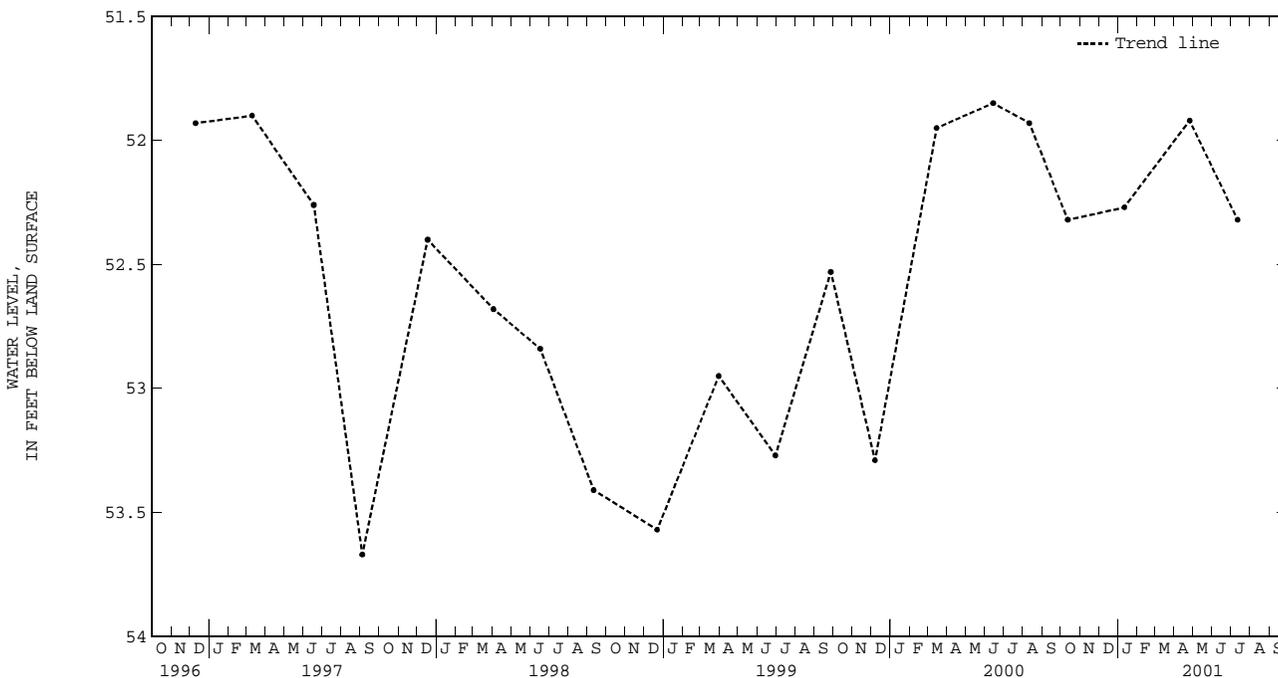
**REMARKS.**--Water level affected by regional drawdown.

**PERIOD OF RECORD.**--September 1970 to December 1975, January 1978 to current year. Unpublished records available prior to October 1985 in files of the Geological Survey.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 32.85 ft below land-surface datum, Sep. 9, 1970; lowest measured, 53.70 ft below land-surface datum, Sep. 20, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	52.32	JAN 11	52.27	APR 26	51.92	JUL 12	52.32
WATER YEAR 2001		HIGHEST	51.92	APR 26, 2001		LOWEST	52.32
							OCT 12, 2000 JUL 12, 2001



GROUND-WATER LEVELS

SOUTHAMPTON COUNTY

363916077201001. Local number, 52B 8 SOW 178A.

**LOCATION.**--Lat 36°39'17", long 77°20'09", NAD83, Hydrologic Unit 03010204, 0.25 mi northeast of State Highway 661, 0.6 mi south of the intersection of State Highways 652 and 661, and 4.5 mi southeast of Drewryville. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Newark Supergroup sandstone of Jurassic and Triassic age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4 in., depth 316 ft, screened 285 to 295 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by USGS personnel.

**DATUM.**--Elevation of land-surface datum is 120 ft above sea level, from topographic map. Measuring point: Top of casing, 1.6 ft above land-surface datum.

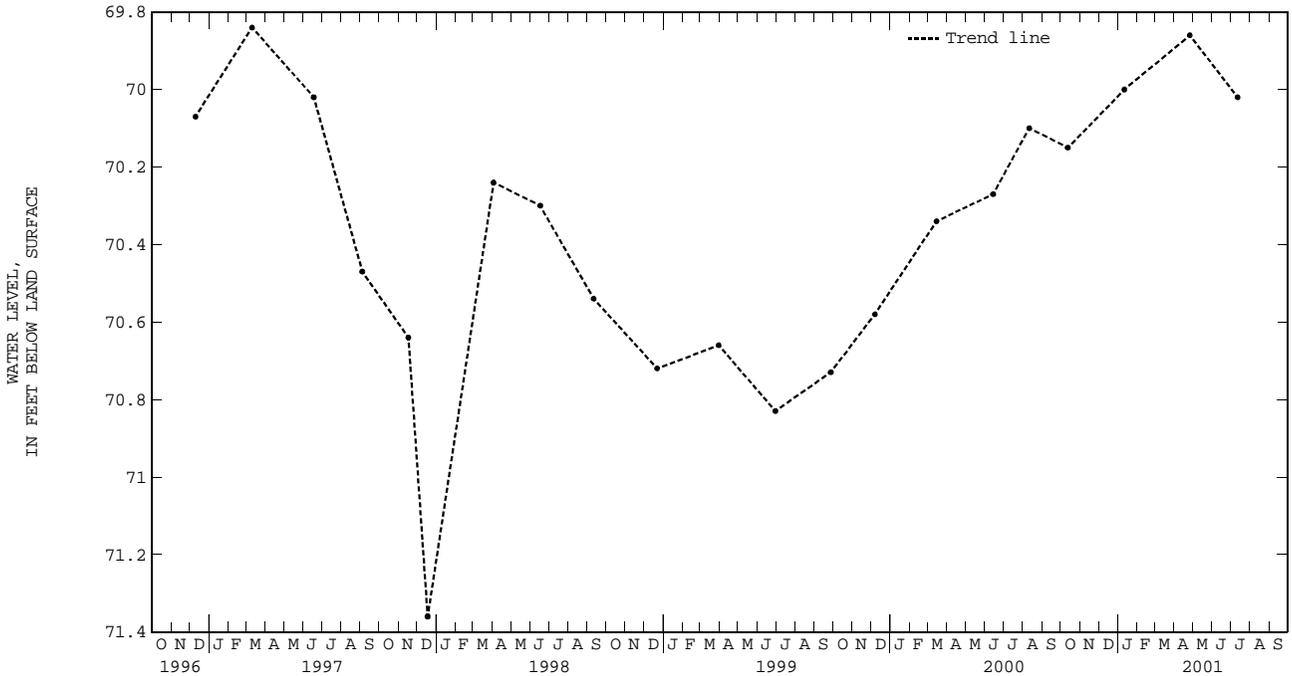
**REMARKS.**--Water level may be affected by regional drawdown. Water from this well is known to contain concentrations of dissolved solids greater than 1,000 mg/L.

**PERIOD OF RECORD.**--March 1988 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 69.30 ft below land-surface datum, Mar. 15, 1990; lowest measured, 71.39 ft below land-surface datum, Sep. 20, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	70.15	JAN 11	70.00	APR 26	69.86	JUL 12	70.02
WATER YEAR 2001		HIGHEST	69.86	APR 26, 2001	LOWEST	70.15	OCT 12, 2000



SOUTHAMPTON COUNTY

363916077201004. Local number, 52B 11 SOW 178D.

LOCATION.--Lat 36°39'17", long 77°20'09", NAD83, Hydrologic Unit 03010204, 0.25 mi northeast of State Highway 661, 0.6 mi south of intersection of State Highways 652 and 661, and 4.5 mi southeast of Drewryville. Owner: Virginia Department of Environmental Quality.

AQUIFER.--Middle Potomac aquifer of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in., depth 190 ft, screened 160 to 170 ft.

INSTRUMENTATION.--Occasional measurement with chalked tape by USGS personnel. Prior to November 1987, digital recorder 60-minute punch.

DATUM.--Elevation of land-surface datum is 120 ft above sea level, from topographic map. Measuring point: Top of casing, 2.1 ft above land-surface datum.

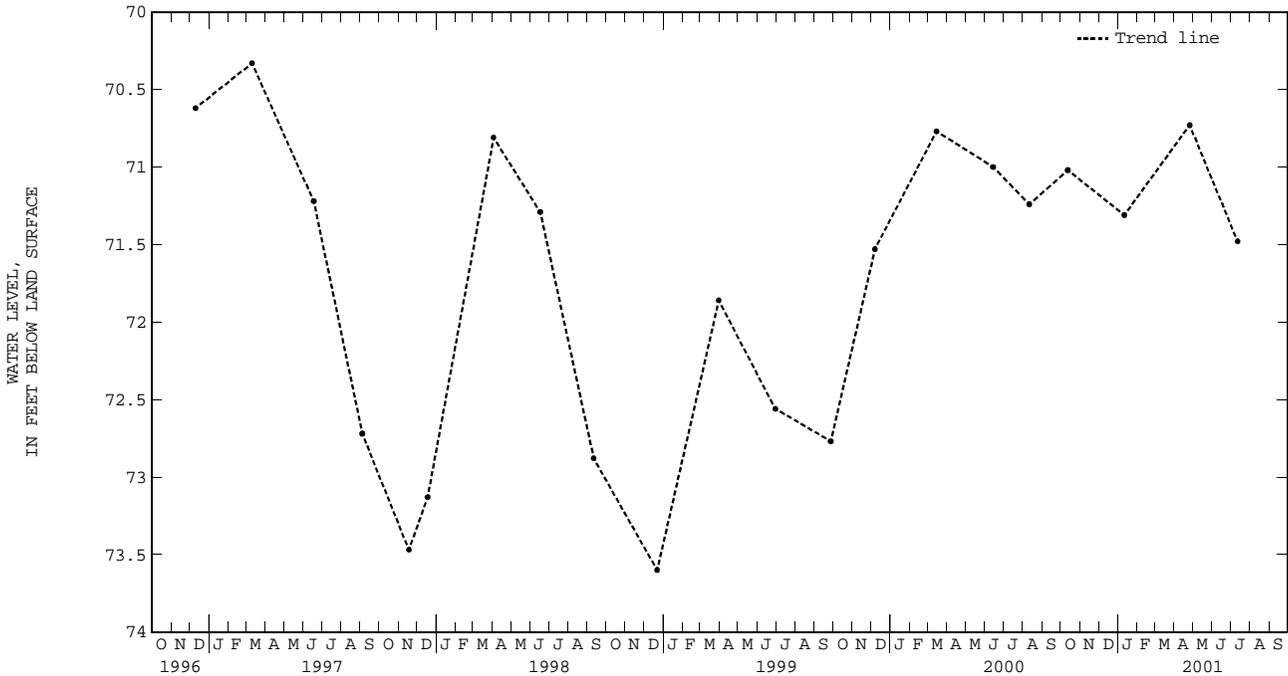
REMARKS.--Water level may be affected by regional drawdown.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 69.81 ft below land-surface datum, Apr. 16, 1987; lowest recorded, 73.89 ft below land-surface datum, Sep. 20, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	71.02	JAN 11	71.31	APR 26	70.73	JUL 12	71.48
WATER YEAR 2001		HIGHEST	70.73	APR 26, 2001	LOWEST	71.48	JUL 12, 2001



GROUND-WATER LEVELS

SOUTHAMPTON COUNTY

363916077201005. Local number, 52B 12 SOW 178E.

LOCATION.--Lat 36°39'17", long 77°20'09", NAD83, Hydrologic Unit 03010204, 0.25 mi northeast of State Highway 661, 0.6 mi south of intersection of State Highways 652 and 661, and 4.5 mi southeast of Drewryville. Owner: Virginia Department of Environmental Quality.

AQUIFER.--Middle Potomac aquifer of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in., depth 135 ft, screened 120 to 130 ft.

INSTRUMENTATION.--Occasional measurement with chalked tape by USGS personnel. Prior to November 1987, digital recorder 60-minute punch.

DATUM.--Elevation of land-surface datum is 120 ft above sea level, from topographic map. Measuring point: Top of casing, 2.2 ft above land-surface datum.

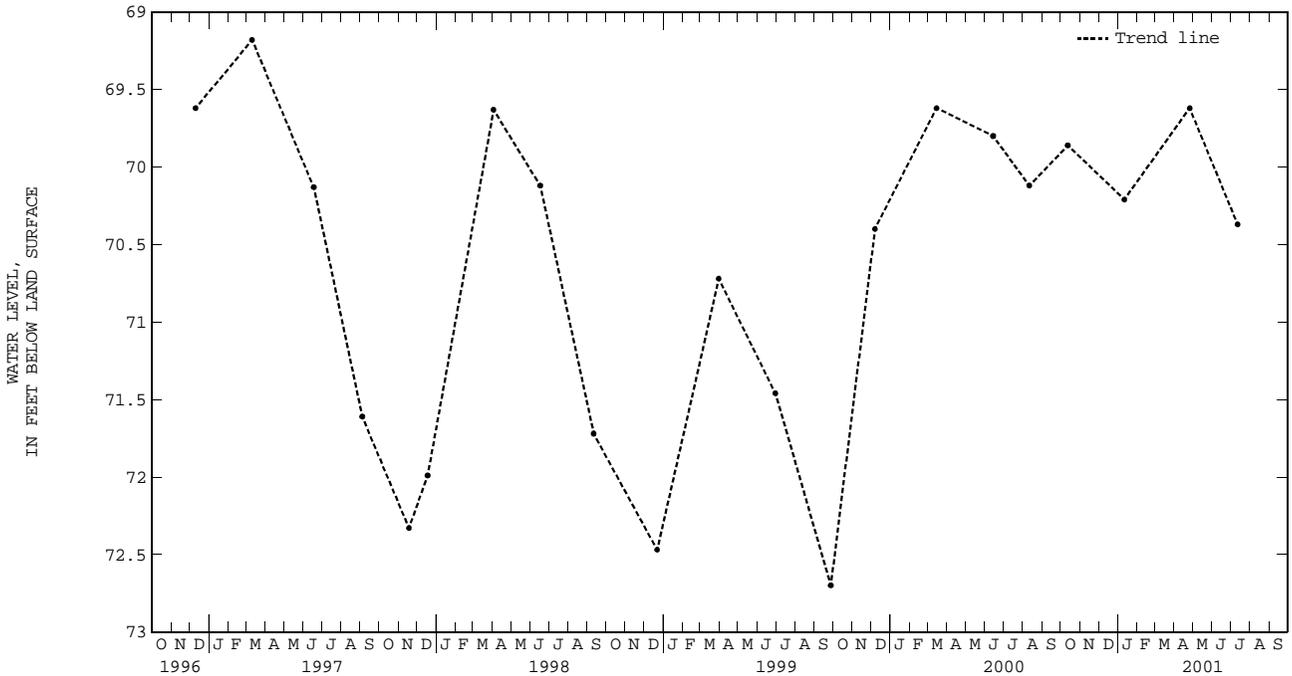
REMARKS.--Water level may be affected by regional drawdown.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 68.75 ft below land-surface datum, Apr. 16, 1987; lowest recorded, 72.86 ft below land-surface datum, Sep. 20, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	69.86	JAN 11	70.21	APR 26	69.62	JUL 12	70.37
WATER YEAR 2001		HIGHEST	69.62	APR 26, 2001	LOWEST	70.37	JUL 12, 2001



SOUTHAMPTON COUNTY

363916077201006. Local number, 52B 13 SOW 178F.

**LOCATION.**--Lat 36°39'17", long 77°20'09", NAD83, Hydrologic Unit 03010204, 0.25 mi northeast of State Highway 661, 0.6 mi south of intersection of State Highways 652 and 661, and 4.5 mi southeast of Drewryville. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Yorktown-Eastover aquifer of Miocene-Pliocene age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4 in., depth 65 ft, screened 40 to 50 ft.

**INSTRUMENTATION.**--Occasional measurements with chalked tape by USGS personnel. Prior to November 1987, digital recorder 60-minute punch.

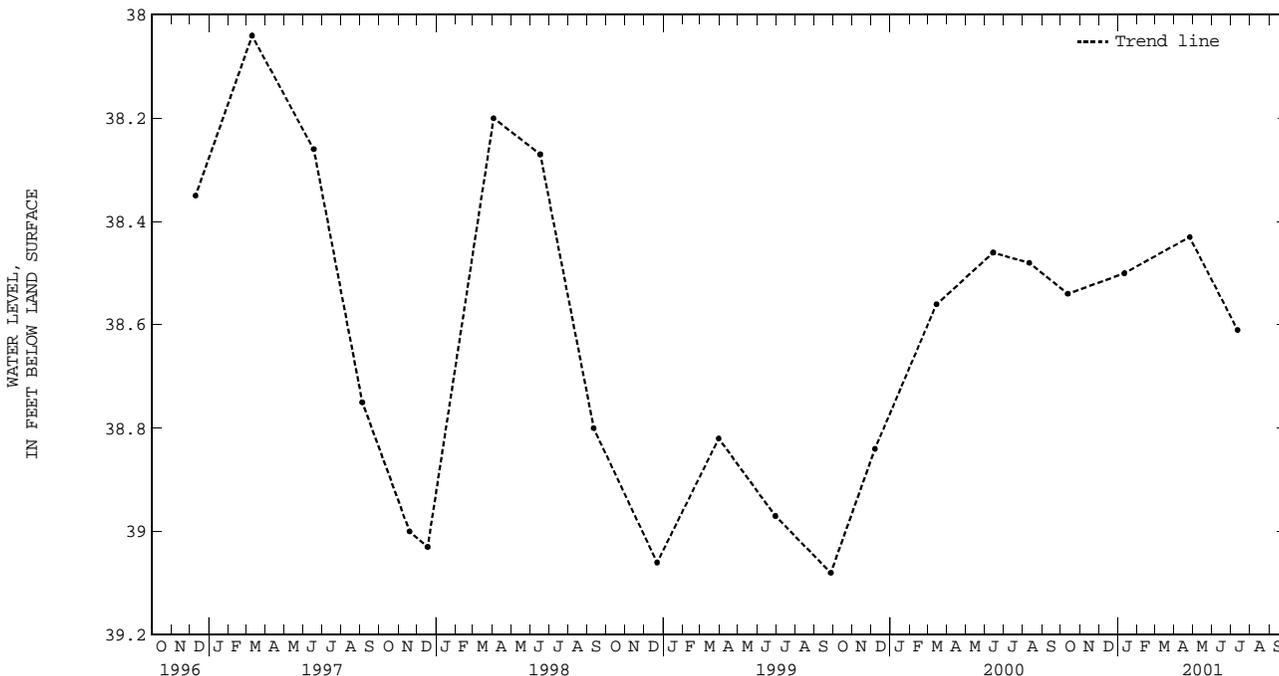
**DATUM.**--Elevation of land-surface datum is 120 ft above sea level, from topographic map. Measuring point: Top of casing, 2.9 ft above land-surface datum.

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

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level recorded, 37.90 ft below land-surface datum, Apr. 29, 1987; lowest recorded, 43.77 ft below land-surface datum, Oct. 6-9, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	38.54	JAN 11	38.50	APR 26	38.43	JUL 12	38.61
WATER YEAR 2001		HIGHEST	38.43	APR 26, 2001	LOWEST	38.61	JUL 12, 2001



GROUND-WATER LEVELS

SOUTHAMPTON COUNTY

364242077121501. Local number, 53B 6.

**LOCATION.**--Lat 36°42'43", long 77°12'14", NAD83, Hydrologic Unit 03010201, at Virginia Department of Transportation - Capron Area Headquarters, 50 ft east of State Highway 654 and 2000 ft north of U.S. Highway 58. Owner: U.S. Geological Survey.

**AQUIFER.**--Brighseat-upper Potomac aquifer of Cretaceous-Paleocene age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 2 in., depth 115.65 ft, screened 110.65 ft to 115.65 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Oct. 1, 1998 to Oct. 1, 1999, occasional measurement with chalked tape by USGS personnel. Prior to Oct. 1, 1998, monthly measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 95 ft above sea level, from topographic map. Measuring point: Top of casing, 0.88 ft above land-surface datum.

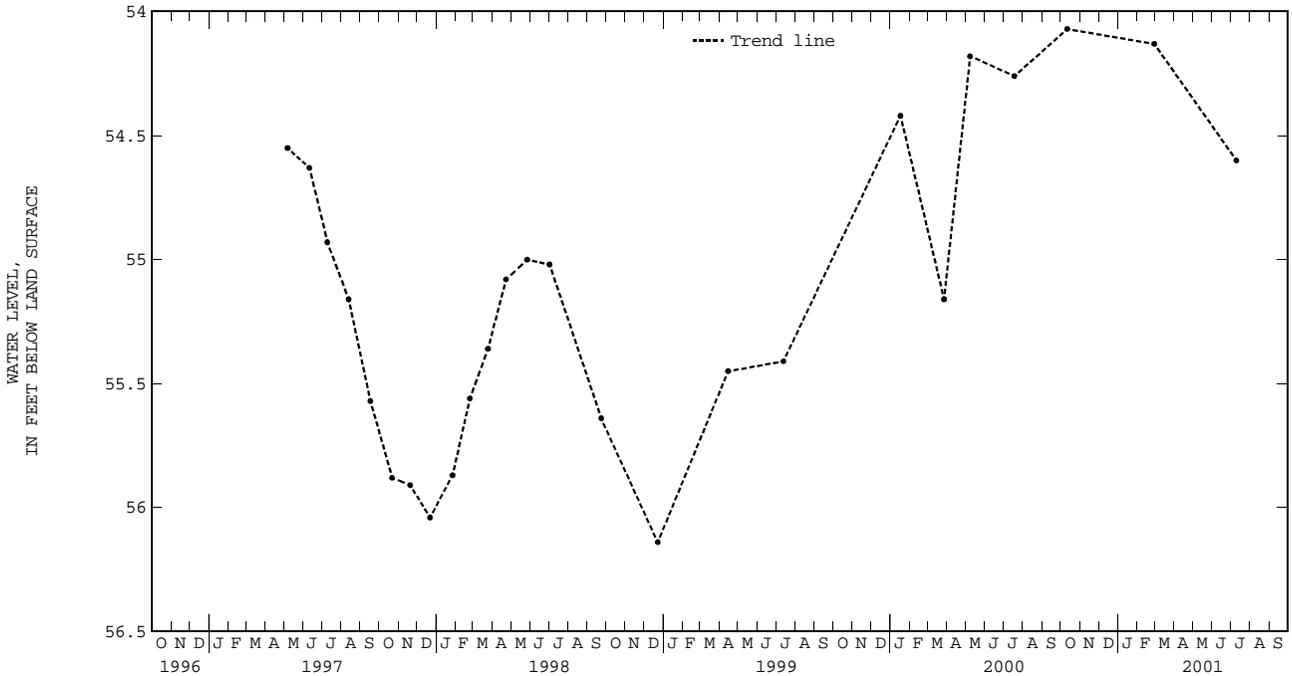
**REMARKS.**--Records provided by Virginia Department of Environmental Quality - Water Division. Well drilled as part of Fall Zone ground-water study.

**PERIOD OF RECORD.**--May 1997 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 54.07 ft below land-surface datum, Oct. 11, 2000; lowest measured, 56.14 ft below land-surface datum, Dec. 23, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	54.07	FEB 28	54.13	JUL 10	54.60
WATER YEAR 2001 HIGHEST		54.07	OCT 11, 2000		LOWEST
					54.60 JUL 10, 2001



SOUTHAMPTON COUNTY

364242077121502. Local number, 53B 7.

**LOCATION.**--Lat 36°42'43", long 77°12'14", NAD83, Hydrologic Unit 03010201, at Virginia Department of Transportation - Capron Area Headquarters, 50 ft east of State Highway 654 and 2000 ft north of U.S. Highway 58. Owner: U.S. Geological Survey.

**AQUIFER.**--Brighseat-upper Potomac aquifer of Cretaceous-Paleocene age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 2 in., depth 80.77 ft, screened 75.77 ft to 80.77 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Oct. 1, 1998 to Oct. 1, 1999, occasional measurement with chalked tape by USGS personnel. Prior to Oct. 1, 1998, monthly measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 95 ft above sea level, from topographic map. Measuring point: Top of casing, 0.82 ft above land-surface datum.

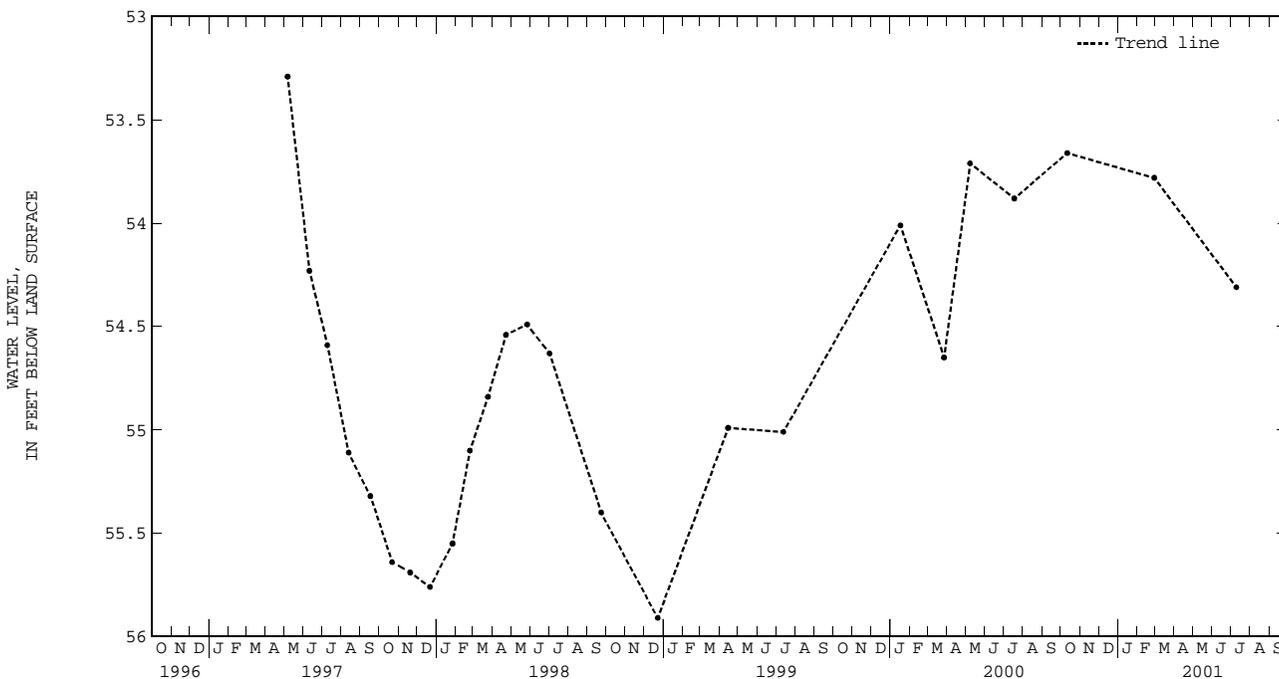
**REMARKS.**--Records provided by Virginia Department of Environmental Quality - Water Division. Well drilled as part of Fall Zone ground-water study.

**PERIOD OF RECORD.**--May 1997 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 53.29 ft below land-surface datum, May 7, 1997; lowest measured, 55.91 ft below land-surface datum, Dec. 23, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	53.66	FEB 28	53.78	JUL 10	54.31
WATER YEAR 2001 HIGHEST		53.66	OCT 11, 2000 LOWEST		54.31
JUL 10, 2001					



GROUND-WATER LEVELS

SOUTHAMPTON COUNTY

363722077014601. Local number, 54A 1.

**LOCATION.**--Lat 36°37'23", long 77°01'45", NAD83, Hydrologic Unit 03010201, 100 ft west of State Highway 681, 0.5 mi north of intersection of State Highways 672 and 681, and 2.4 mi north of Sunbeam. Owner: William Britt.

**AQUIFER.**--Brightseat-upper Potomac aquifer of Cretaceous-Paleocene age.

**WELL CHARACTERISTICS.**--Drilled withdrawal water well, diameter 4 in., depth 254 ft, screened 244 to 254 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by USGS personnel.

**DATUM.**--Elevation of land-surface datum is 35 ft above sea level, from topographic map. Measuring point: Top of casing, 1.03 ft above land-surface datum.

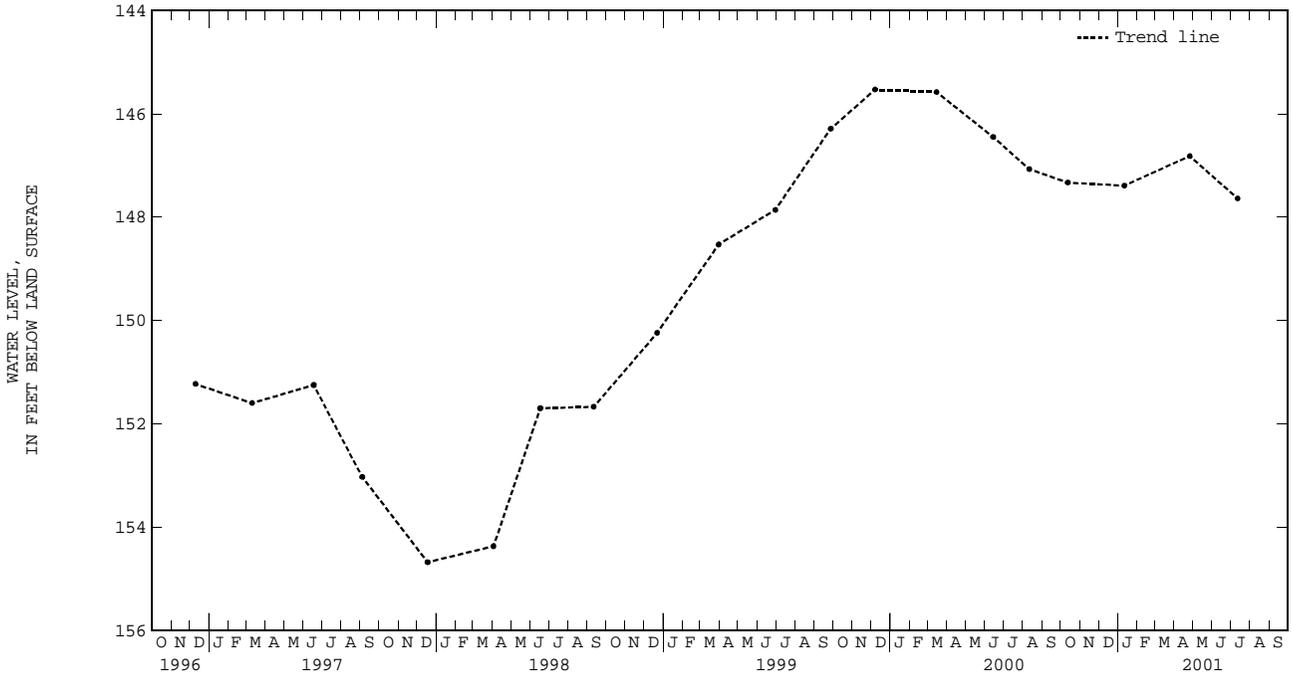
**REMARKS.**--Water level affected by regional drawdown.

**PERIOD OF RECORD.**--August 1970 to December 1975, January 1978 to current year. Unpublished records available prior to October 1985 in files of the Geological Survey.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 113.40 ft below land-surface datum, Aug. 17, 1970; lowest measured, 154.68 ft below land-surface datum, Dec. 18, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	147.33	JAN 11	147.39	APR 26	146.82	JUL 12	147.64
WATER YEAR 2001		HIGHEST	146.82	APR 26, 2001		LOWEST	147.64
							JUL 12, 2001



SOUTHAMPTON COUNTY

363632076580101. Local number, 55A 3 SOW 086.

**LOCATION.**--Lat 36°36'33", long 76°58'00", NAD83, Hydrologic Unit 03010201, 0.1 mi southeast of intersection of State Highways 687 and 689, 4.0 mi southwest of Franklin. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Lower Potomac aquifer of Cretaceous age.

**WELL CHARACTERISTICS.**--Drilled unused water well, diameter 4 in., depth 745 ft, screened 714 to 724 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Oct. 16, 1992, to Jul. 19, 1995, bimonthly measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Mar. 2, 1989, to Oct. 15, 1992, occasional measurement with chalked tape by USGS. 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 18 ft above sea level, from topographic map. Measuring point: Top of casing, 2.0 ft above land-surface datum prior to Jan. 11, 1988; 1.3 ft thereafter.

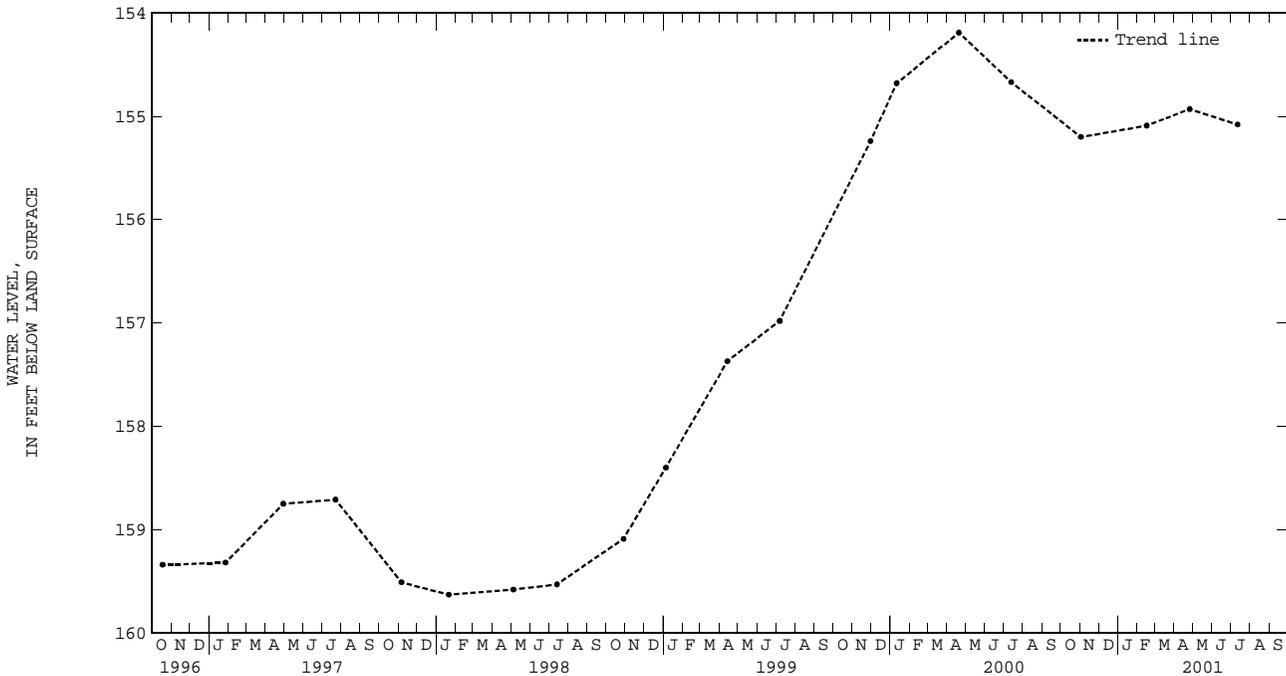
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division prior to Mar. 1, 1989; U.S. Geological Survey Mar. 2, 1989, to Oct. 15, 1992; Virginia Department of Environmental Quality - Water Division thereafter. Water level affected by regional drawdown.

**PERIOD OF RECORD.**--March 1977, October 1978 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, 125.00 ft below land-surface datum, Mar. 18, 1977; lowest measured, 159.67 ft below land-surface datum, Oct 11, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 02	155.20	FEB 16	155.09	APR 26	154.93	JUL 12	155.08
WATER YEAR 2001		HIGHEST	154.93	APR 26, 2001		LOWEST	155.20



GROUND-WATER LEVELS

SOUTHAMPTON COUNTY

364628076552701. Local number, 55C 3.

**LOCATION.**--Lat 36°46'29", long 76°25'26", NAD83, Hydrologic Unit 03010202, 0.2 mi north of Black Creek, at the intersection of State Highways 638 and 626. Owner: Black Creek Baptist Church.

**AQUIFER.**--Middle Potomac aquifer of Cretaceous age.

**WELL CHARACTERISTIC.**--Drilled unused water well, diameter 4 in., depth 312 ft, screened 300 to 312 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by USGS personnel.

**DATUM.**--Elevation of land-surface is 57 ft above sea level, from topographic map. Measuring Point: Top of coupling in breather pipe, 1.60 ft above land-surface datum prior to May 29, 2001; 1.12 ft thereafter.

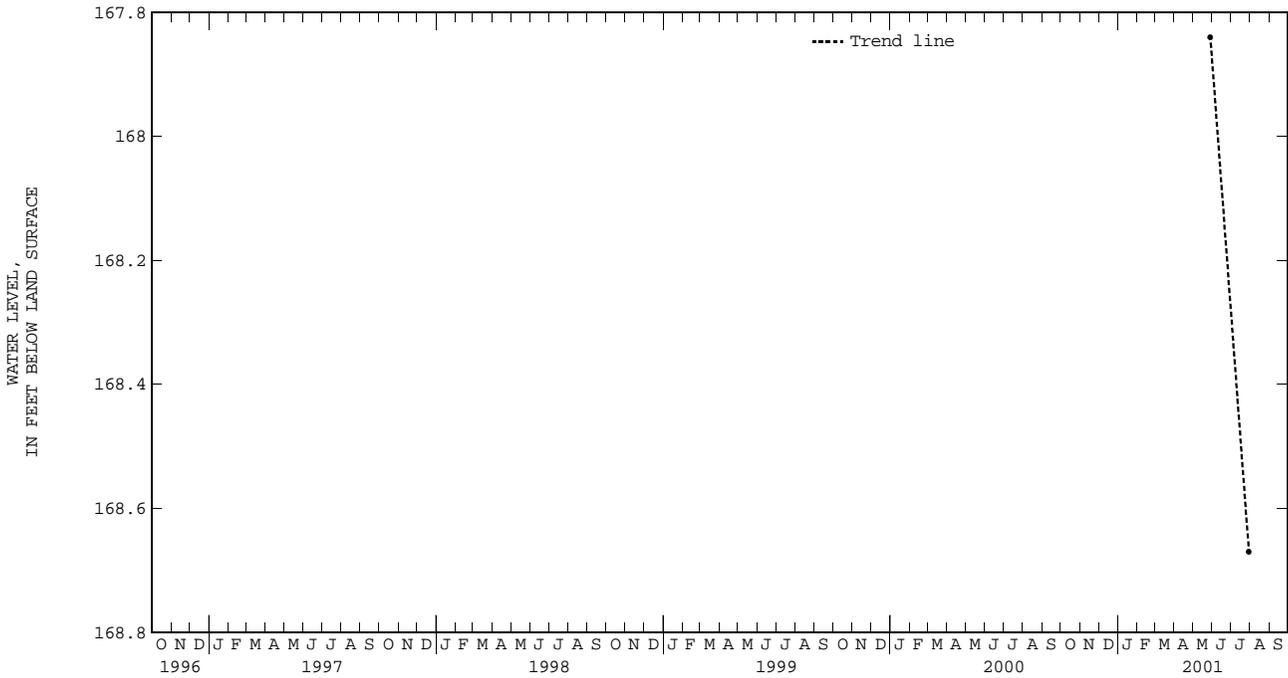
**Remarks.**--Water level affected by regional drawdown. Unpublished records available prior to October 1986 in files of the Geological Survey.

**PERIOD OF RECORD.**--August 1970 to December 1975, January 1978 to March 1990, May 2001 to September 2001.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 132.80 ft below land -surface datum, Dec. 29, 1970; lowest measured, 168.67 ft below land-surface datum, Jul. 30, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 29	167.84	JUL 30	168.67
WATER YEAR 2001		HIGHEST	167.84 MAY 29, 2001
		LOWEST	168.67 JUL 30, 2001



GROUND-WATER LEVELS

SOUTHAMPTON COUNTY

365120076585101. Local number, 55C 10.

LOCATION.--Lat 36°51'21", long 76°58'50", NAD83, Hydrologic Unit 03010202, 100 ft west of State Highway 616, 0.3 mi south of Berlin. Owner: R. L. Harrup.

AQUIFER.--Middle Potomac aquifer of Cretaceous age.

WELL CHARACTERISTICS.--Drilled withdrawal water well, diameter 4 in., depth 326 ft, screened 316 to 326 ft.

INSTRUMENTATION.--Occasional measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 65 ft above sea level, from topographic map. Measuring point: Top of casing, 1.0 ft above land-surface datum.

REMARKS.--Water level affected by regional drawdown.

PERIOD OF RECORD.--August 1970 to December 1975, January 1978 to current year. Unpublished records available prior to October 1985 in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.62 ft below land-surface datum, Aug. 21, 1970; lowest measured, 132.10 ft below land-surface datum, Apr. 2, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	128.60	JAN 11	128.73	APR 26	128.93	JUL 12	129.54
WATER YEAR 2001		HIGHEST	128.60	OCT 12, 2000	LOWEST	129.54	JUL 12, 2001

