

GROUND-WATER LEVELS

PRINCE WILLIAM COUNTY

384931077420301. Local number, 49U 1.

**LOCATION.**--Lat 38°49'30", long 77°42'07", NAD83, Hydrologic Unit 02070010, 500 ft north of State Highway 55, 0.8 mi east of Thoroughfare Gap, and 3.7 mi west of Haymarket. Owner: Virginia Department of Transportation.

**AQUIFER.**--Waterfall Formation of Early Jurassic age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 7 in., depth 345 ft, cased to 20 ft, open hole 20 to 345 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by USGS personnel. Prior to February 1980, continuous strip-chart recorder.

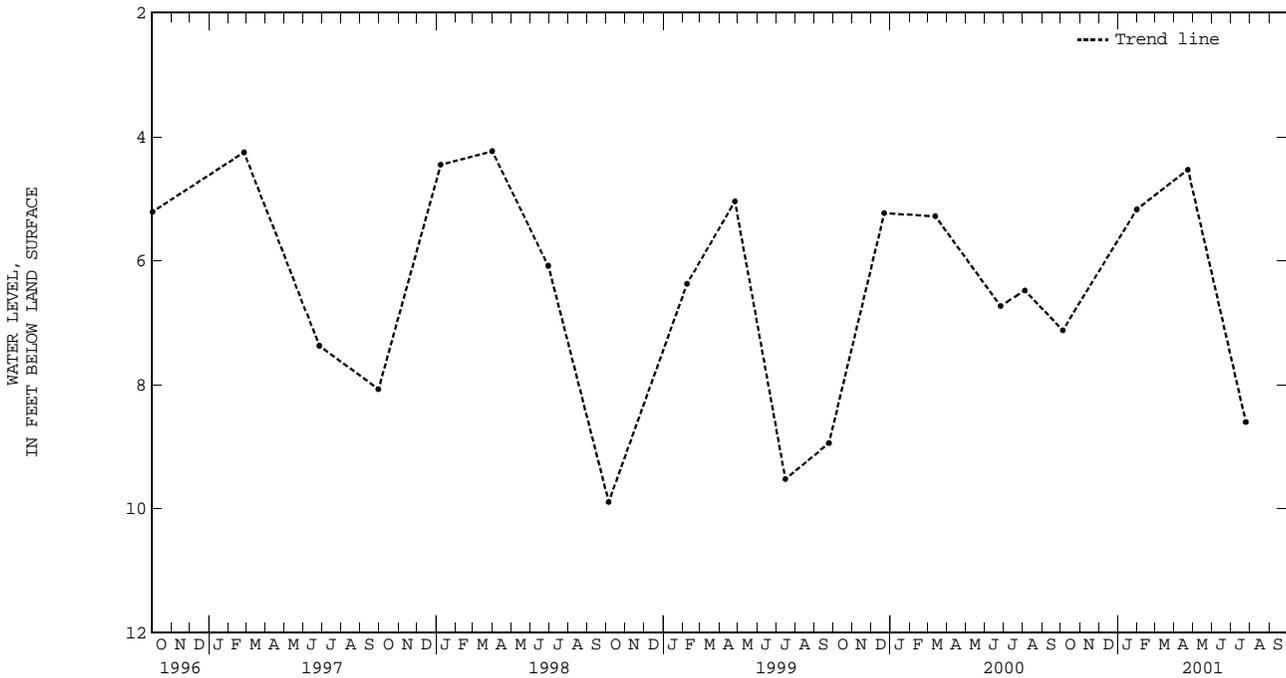
**DATUM.**--Elevation of land-surface datum is 383 ft above sea level, from topographic map. Measuring point: Top of casing, 2.0 ft above land-surface datum.

**PERIOD OF RECORD.**--October 1968 to current year. Unpublished records available prior to May 1969 in files of the Geological Survey.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level recorded, 2.59 ft below land-surface datum, Mar. 19, 1975; lowest measured, 10.33 ft below land-surface datum, Oct. 14, 1988.

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 04	7.12	JAN 31	5.17	APR 23	4.53	JUL 25	8.60
WATER YEAR 2001		HIGHEST	4.53	APR 23, 2001	LOWEST	8.60	JUL 25, 2001



**GROUND-WATER LEVELS**  
**PRINCE WILLIAM COUNTY**

385607077381101. Local number, 49V 1.

**LOCATION.**--Lat 38°56'07", long 77°38'10", NAD83, Hydrologic Unit 02070010, near intersection of State Highways 600 and 615, 2.8 mi south of Aldie. Owner: J. H. Hutchison.

**AQUIFER.**--Turkey Run Formation of Early Jurassic age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 7 in., depth 165 ft, cased to 10 ft, open hole 10 to 165 ft.

**INSTRUMENTATION.**--Occasional measurements with chalked tape by USGS personnel. Jun. 19, 1979 to Oct. 1, 1995, digital recorder 60-minute punch. Prior to Jun. 19, 1979, continuous strip-chart recorder.

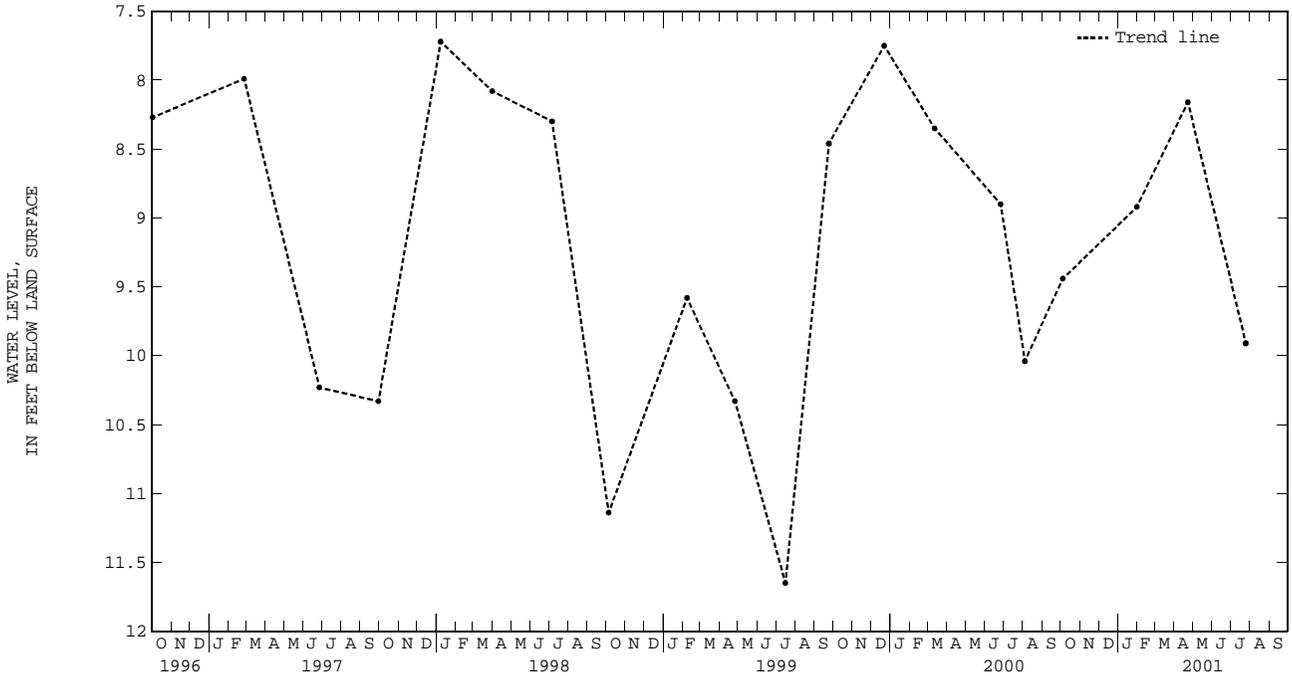
**DATUM.**--Elevation of land-surface datum is 420 ft above sea level, from topographic map. Measuring point: Top of casing, 1.0 ft above land-surface datum. Readings from 1979 to 1981 should be 0.7 ft lower than previously published.

**PERIOD OF RECORD.**--November 1968 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level recorded, 6.85 ft below land-surface datum, Oct. 12, 1979; lowest recorded, 13.09 ft below land-surface datum, Sep. 16, 1991.

**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 04	9.44	JAN 31	8.92	APR 23	8.16	JUL 25	9.91
WATER YEAR 2001		HIGHEST	8.16	APR 23, 2001	LOWEST	9.91	JUL 25, 2001



GROUND-WATER LEVELS

PRINCE WILLIAM COUNTY

383423077245901. Local number, 51S 7.

**LOCATION.**--Lat 38°34'23", long 77°24'58", NAD83, Hydrologic Unit 02070011, in Prince William Forest Park, 700 ft north of State Highway 619, 0.7 mi southeast of Belfair Crossroads, and 4.6 mi south of Independent Hill. Owner: National Park Service.

**AQUIFER.**--Lunga Reservoir Formation of Cambrian age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 6 in., depth 490 ft, cased to 50 ft, open hole 50 to 490 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by USGS personnel. Dec. 21, 1982 to Feb. 1, 1996, digital recorder 60-minute punch. Prior to Dec. 21, 1982, occasional measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 295 ft above sea level, from topographic map. Measuring point: Top of casing, 2.0 ft above land-surface datum.

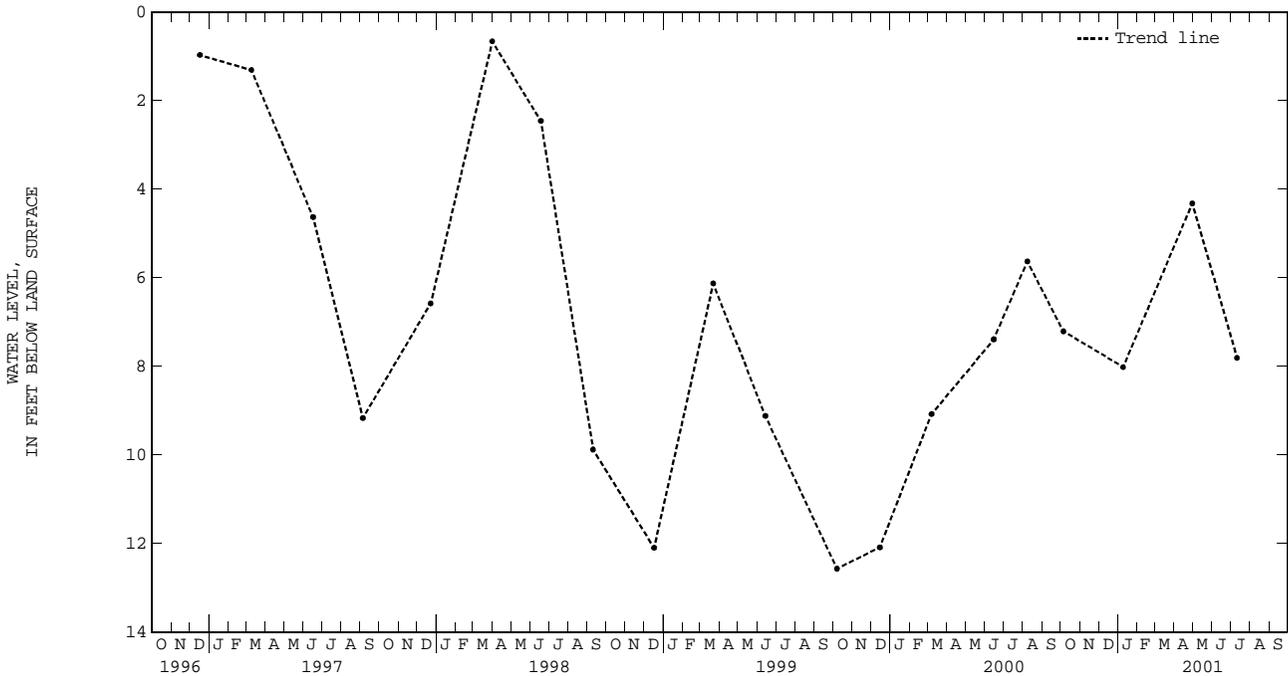
**PERIOD OF RECORD.**--September 1973 to November 1975, December 1977 to current year. Unpublished records available prior to December 1977 in files of the Geological Survey.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level recorded, 1.00 ft above land-surface datum, Mar. 29, 1994; lowest recorded, 12.95 ft below land-surface datum, Nov. 16, 1988.

**CORRECTION.**--Highest water level for period of record, as published in the 1997-99 reports, was in error.

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 05	7.21	JAN 09	8.02	APR 30	4.32	JUL 11	7.81
WATER YEAR 2001		HIGHEST		4.32 APR 30, 2001		LOWEST	
						8.02 JAN 09, 2001	



GROUND-WATER LEVELS

PRINCE WILLIAM COUNTY

383634077151301. Local number, 52S 4.

**LOCATION.**--Lat 38°36'34", long 77°15'12", NAD83, Hydrologic Unit 02070010, 193 ft east of Richmond, Fredericksburg, and Potomac (RFP) railroad tracks, 1.1 mi southeast of the intersection of U.S. Highway 1 and State Highway 636 (Featherstone Road), 1.4 mi south of the intersection of State Highway 636 (Featherstone Road) and RFP railroad tracks, and near Woodbridge. Owner: District of Columbia Department of Sanitary Engineering.

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

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 10 in., depth 186 ft, screened 156 to 176 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by USGS personnel. Aug. 1, 1971, to Jul. 10, 1978, continuous strip-chart recorder. Prior to Aug. 1, 1971, occasional measurement with chalked tape.

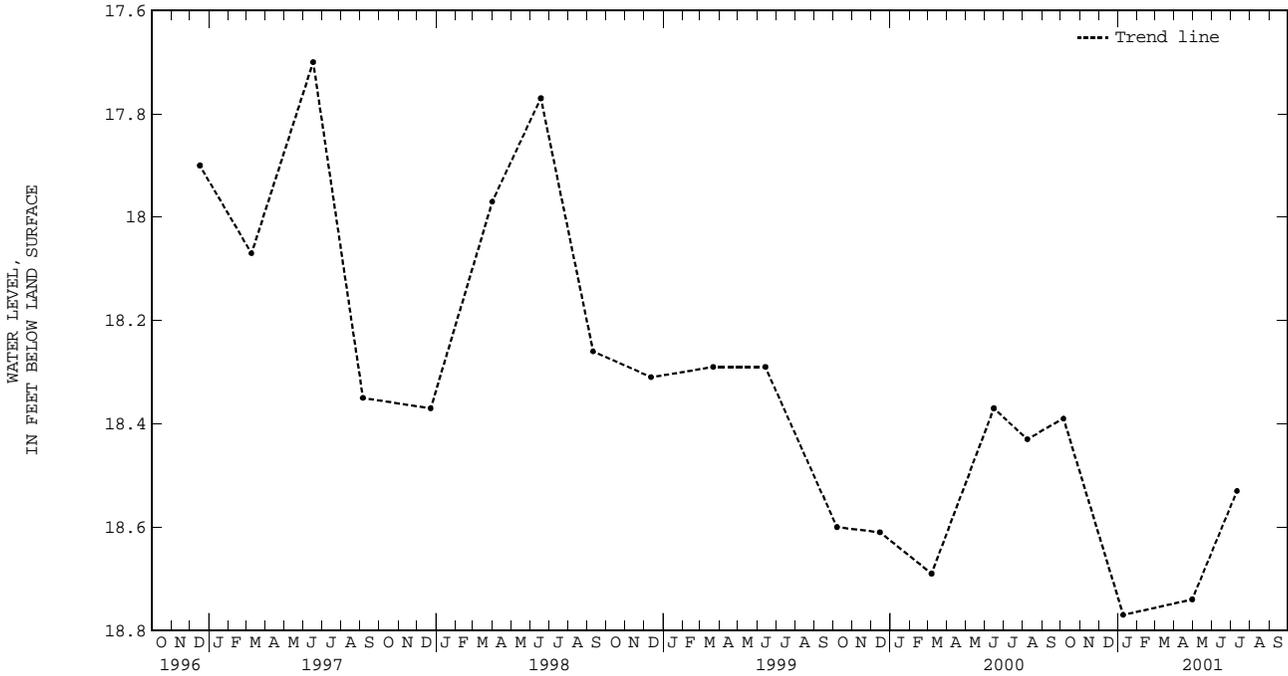
**DATUM.**--Elevation of land-surface datum is 28 ft above sea level, from topographic map. Measuring point: Top of casing, 3.3 ft above land-surface datum prior to Aug. 28, 1978; 1.9 ft thereafter.

**PERIOD OF RECORD.**--June 1969 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level recorded, 17.17 ft below land-surface datum, Apr. 28, 1973; lowest measured, 22.17 ft below land-surface datum, Jul. 1, 1969.

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 05	18.39	JAN 09	18.77	APR 30	18.74	JUL 11	18.53
WATER YEAR 2001 HIGHEST		18.39	OCT 05, 2000		LOWEST		18.77 JAN 09, 2001



GROUND-WATER LEVELS

PRINCE WILLIAM COUNTY

383830077135502. Local number, 53T 2 SOW 029.

LOCATION.--Lat 38°38'30", long 77°13'54", NAD83, Hydrologic Unit 02070010, at U.S. Army Woodbridge Research Facility, 1.5 mi east of Woodbridge. Owner: U.S. Department of the Army.

AQUIFER.--Lower Potomac aquifer of Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 10 in., depth 162 ft, screened 130 to 156 ft.

INSTRUMENTATION.--Occasional measurement with chalked tape by USGS personnel. Oct. 1, 1996 to Sep. 30, 1999, occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Sep. 25, 1985, to Oct. 1, 1996, bimonthly measurement with chalked tape. Prior to Sep. 25, 1985, occasional measurement with chalked tape.

DATUM.--Elevation of land-surface datum is 5 ft above sea level, from topographic map. Measuring point: Top of casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--March 1970 to current year. Unpublished records available prior to October 1987 in files of the Virginia Department of Environmental Quality - Water Division.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.60 ft below land-surface datum, Apr. 4, 1973; lowest measured, 10.35 ft below land-surface datum, Oct. 12, 1977.

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 05	2.03	JAN 09	2.56	APR 30	2.44	JUL 11	2.19
WATER YEAR 2001 HIGHEST		2.03	OCT 05, 2000		LOWEST		2.56
		JAN 09, 2001					

