

GROUND-WATER LEVELS

KING GEORGE COUNTY

381829077040101. Local number, 54Q 67.

LOCATION.--Lat 38°18'29", long 77°04'01", Hydrologic Unit 02070011, 1.5 mi northwest of the main gate at Tetotum Flats at the Naval Surface Warfare Center, Dahlgren Laboratory, in Dahlgren. Owner: U.S. Department of the Navy.

AQUIFER.--Nanjemoy-Marlboro confining unit of Eocene age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in. to 48.2 ft, 58.2 to 68.7 ft, depth 68.7 ft, screened 48.2 to 58.2 ft.

INSTRUMENTATION.--Occasional measurement with chalked tape by USGS personnel. Prior to Sept. 30, 1996, digital recorder--60-minute punch. Prior to Dec. 6, 1995, monthly measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 12.61 ft above sea level. Measuring point: Top of recorder shelf, 1.90 ft above land-surface datum. Prior to Dec. 6, 1995, and since Sept. 30, 1996, top of casing, 1.6 ft above land-surface datum.

REMARKS.--Water level affected by pumpage for water-quality sampling in July 1994. This well is known to contain dissolved solids greater than or equal to 1,000 mg/l.

PERIOD OF RECORD.--March 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.81 ft below land-surface datum, Mar. 30, 1998; lowest measured from natural causes, 12.48 ft below land-surface datum, Sept. 25, 1995; lowest measured, 16.52 ft (caused by pumpage for water-quality sampling) below land-surface datum, July 6, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL
MAR 30	9.81

