

GROUND-WATER LEVELS
CITY OF NEWPORT NEWS

371208076341105. Local number, 58F 54 SOW 171E.

LOCATION.--Lat 37°12'08", long 76°34'11", Hydrologic Unit 02080206, 0.4 mi southeast of the intersection of State Highways 143 and 238 and 150 ft north of State Highway 143 in the city of Newport News. Owner: Virginia Department of Environmental Quality.

AQUIFER.--Yorktown confining unit of Pliocene age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in., depth 88 ft, screened 78 to 88 ft.

INSTRUMENTATION.--Digital recorder--60-minute punch. Removed digital recorder Oct. 18, 1991; reinstalled July 8, 1992. Occasional measurements with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 55 ft above sea level, from topographic map. Measuring point: Top of casing, 1.0 ft above land-surface datum.

REMARKS.--Missing record due to recorder malfunction; lowest water level for the 1994 water year may have occurred during this period. Water level affected by occasional pumpage for water-quality sampling. Stepping in hydrograph due to well not being plum and float rubbing the side of the casing.

PERIOD OF RECORD.--June 1984 to October 1991, July 1992 to current year. Unpublished records available prior to October 1986 in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 22.05 ft below land-surface datum, May 20, 21, 1993; lowest recorded, 27.34 ft below land-surface datum, Nov. 1, 1990.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	25.49	24.73	23.89	22.79	22.41	22.75	23.33	24.12	24.67
10	---	---	---	25.47	24.63	23.68	22.63	22.35	22.89	23.45	24.20	24.79
15	---	---	25.50	25.49	24.51	23.55	22.60	22.42	22.93	23.60	24.31	24.86
20	---	---	25.52	25.38	24.26	23.25	22.49	22.46	23.04	23.70	24.49	24.93
25	---	---	25.48	25.32	24.05	23.12	22.41	22.52	23.17	23.81	24.55	25.01
EOM	---	---	25.49	25.06	23.98	22.96	22.44	22.58	23.17	23.98	24.63	25.10

WATER YEAR 1998	HIGHEST INSTANTANEOUS	22.39	MAY 09, 1998
	LOWEST INSTANTANEOUS	a25.56	DEC 21-22, 1997

a May have gone lower during period of missing record.

