

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 prior to July 8, 1992; 1.6 ft thereafter.

REMARKS.--Missing record due to recorder malfunction. Water level affected by occasional pumpage for water-quality sampling. Occasional 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 Unpublished records available prior to October 1986 in files of the Geological Survey.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 1998 TO SEPTEMBER 1999
LOWEST DAILY VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.28	25.61	26.04	25.86	25.70	25.57	25.14	24.67	25.29	25.66	25.92	25.71
10	25.38	25.70	25.98	25.81	25.66	25.48	25.02	24.72	25.40	25.73	26.03	25.70
15	25.53	25.74	25.87	25.85	25.64	25.32	24.94	24.70	25.41	25.65	26.00	25.70
20	25.50	25.90	25.90	25.78	25.55	25.27	24.93	24.77	25.50	25.75	26.06	25.29
25	25.64	25.95	25.90	25.72	25.57	25.16	24.82	24.87	25.52	25.73	25.96	25.20
EOM	25.60	26.02	26.00	25.71	25.56	25.12	24.75	25.12	25.58	25.84	25.92	25.12

WATER YEAR 1999	HIGHEST INSTANTANEOUS	24.65	MAY 4-5, 1999
	LOWEST INSTANTANEOUS	26.10	DEC 2, 1998

DAILY LOW-WATER LEVELS

