

GROUND-WATER LEVELS

CITY OF NEWPORT NEWS

371208076341101. Local number, 58F 50 SOW 171A.

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.--Lower Potomac aquifer of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in., depth 1,236 ft, screened 1,205 to 1,215 ft.

INSTRUMENTATION.--Electronic pressure transducer data logger--60 minute-record interval. Prior to May 8, 1997, digital recorder--60-minute punch.

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 Apr. 14, 1993; 1.85 ft thereafter.

REMARKS.--Missing record due to recorder malfunction. Water level affected by regional drawdown, nearby pumpage, and occasional pumpage for water-quality sampling. This well is known to contain dissolved solids greater than or equal to 1,000 mg/l.

PERIOD OF RECORD.--July 1984 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 Unpublished records available prior to October 1986 in files of the Geological Survey.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, 106.32 ft below land-surface datum, May 23-27, 1996, 1995; lowest recorded, 146.42 ft below land-surface datum, May 21, 1999.

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	133.69	137.39	139.20	140.93	142.08	143.94	145.08	144.66	143.98	140.99	139.26	139.11
10	133.80	138.59	139.89	141.59	142.18	144.09	144.71	144.72	142.98	140.13	139.16	139.30
15	133.84	139.47	140.50	142.12	142.63	144.32	144.59	146.04	---	139.85	139.06	139.57
20	134.16	139.94	141.43	142.16	142.95	144.17	143.54	146.41	141.93	139.62	138.80	139.36
25	134.78	139.03	141.93	142.04	143.50	144.44	143.55	145.94	141.25	139.52	138.50	139.04
EOM	136.13	139.40	140.94	142.21	143.56	144.94	144.17	145.17	141.11	139.20	138.94	138.94

WATER YEAR 1999	HIGHEST INSTANTANEOUS	132.98	OCT 01, 1998
	LOWEST INSTANTANEOUS	146.42	MAY 21, 1999

