

## GROUND-WATER LEVELS

## CITY OF NEWPORT NEWS

371208076341102. Local number, 58F 51 SOW 171B.

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.--Middle Potomac aquifer of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in., depth 851 ft, screened 820 to 830 ft.

INSTRUMENTATION.--Electronic pressure transducer data logger--60-minute record interval. Prior to Apr. 24, 1996, 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; 1.80 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 Unpublished records available prior to October 1986 in files of the Geological Survey.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, 126.35 ft below land-surface datum, Mar. 23-25, 1985; lowest recorded, 160.80 ft below land-surface datum, May 18, 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	140.94	152.13	---	---	153.22	157.22	155.98	158.45	148.65	144.89	144.08	146.96
10	140.25	---	---	156.36	155.35	158.38	157.39	158.15	147.18	144.67	144.06	147.56
15	140.04	---	---	155.33	156.11	158.78	154.00	160.25	146.09	144.40	143.86	147.97
20	144.41	150.99	---	153.86	157.08	158.85	153.72	159.72	145.94	144.29	143.62	146.01
25	145.17	---	---	153.63	157.94	159.48	156.32	157.56	145.40	144.13	144.93	146.56
EOM	150.12	151.28	151.08	155.27	156.76	160.02	158.09	151.15	145.06	144.04	146.32	147.26

WATER YEAR 1999      HIGHEST INSTANTANEOUS      139.54      OCT 15, 1998  
 LOWEST INSTANTANEOUS      160.80      MAY 18, 1999

