

GROUND-WATER LEVELS

CITY OF NEWPORT NEWS

371208076341106. Local number, 58F 55 SOW 171F.

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.--Cornwallis Cave aquifer of Pliocene-Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in., depth 60 ft, screened 50 to 60 ft.

INSTRUMENTATION.--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, 2.9 ft above land-surface datum.

REMARKS.--Missing record due to recorder malfunction. Water level affected by occasional pumpage for water-quality sampling.

PERIOD OF RECORD.--June 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 Unpublished records available prior to October 1986 in files of the Geological Survey.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, 23.04 ft below land-surface datum, May 21-24, 1993; lowest recorded, 29.12 ft below land-surface datum, Oct. 29, 1995.

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	27.73	28.28	28.47	28.42	28.06	27.91	27.22	26.52	27.02	27.43	27.88	28.00
10	27.82	28.33	28.49	28.42	28.06	27.85	27.10	26.59	27.11	27.54	27.98	27.98
15	27.93	28.37	28.47	28.43	28.06	27.67	26.71	26.65	27.14	27.53	28.03	27.96
20	28.03	28.40	28.52	28.29	27.99	27.30	26.62	26.72	27.20	27.63	28.10	25.69
25	28.13	28.43	28.49	28.03	27.96	27.28	26.56	26.77	27.26	27.68	28.09	25.89
EOM	28.24	28.45	28.48	28.08	27.94	27.27	26.53	26.91	27.36	27.79	28.09	26.03

WATER YEAR 1999	HIGHEST INSTANTANEOUS	24.55	SEP 16, 1999
	LOWEST INSTANTANEOUS	28.53	DEC 22-23, 1998

DAILY LOW-WATER LEVELS

