

GROUND-WATER LEVELS

JAMES CITY COUNTY

372546076532901. Local number, 55H 20.

LOCATION.--Lat 37°25'46", long 76°53'29", Hydrologic Unit 02080206, 100 ft north of State Highway 603, 700 ft east of the pumping station at Diascund Creek Reservoir, and 0.6 mi northwest of the intersection of U.S. Highway 60 and State Highway 603 in James City County. Owner: City of Newport News.

AQUIFER.--Lower and middle Potomac aquifers of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 12 in. to 300 ft, diameter 6 in. from 300 to 735 ft, depth 735 ft, screened 515 to 540 ft, 600 to 620 ft, 630 to 655 ft, 665 to 685 ft, 720 to 730 ft.

INSTRUMENTATION.--Digital recorder--60-minute punch.

DATUM.--Elevation of land-surface datum is 28 ft above sea level, from topographic map. Measuring point: Top of casing, 3.6 ft above land-surface datum.

REMARKS.--Missing record due to recorder malfunction; lowest water level for the 1995 water year may have occurred during this period. Water level affected by regional drawdown.

PERIOD OF RECORD.--May 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 90.99 ft below land-surface datum, June 4, 1988; lowest recorded, 109.88 ft below land-surface datum, Aug. 31, 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	109.42	109.50	109.54	109.03	108.93	108.91	108.69	108.60	108.94	109.24	109.53	109.67
10	109.40	109.68	109.53	109.02	108.94	108.77	108.60	108.68	109.00	109.27	109.66	109.73
15	109.46	109.47	109.28	109.00	108.99	108.50	108.59	108.75	108.98	109.26	109.79	109.82
20	109.51	109.53	109.36	108.94	108.81	108.73	108.62	108.72	109.08	109.33	109.78	109.63
25	109.59	109.59	109.28	108.91	108.88	108.64	108.64	108.66	109.08	109.37	109.85	109.61
EOM	109.53	109.55	109.15	109.07	108.73	108.71	108.69	108.83	109.11	109.46	109.88	109.51

WATER YEAR 1999	HIGHEST INSTANTANEOUS	107.58	SEP 16, 1999
	LOWEST INSTANTANEOUS	109.88	AUG 31, 1999

