

GROUND-WATER LEVELS

CITY OF CHESAPEAKE

364227076074707. Local number, 61B 13 SOW 091F.

LOCATION.--Lat 36°42'27", long 76°07'47", Hydrologic Unit 03010205, 300 ft south of Lockheed Avenue, 0.7 mi east of intersection of State Highway 165 and Lockheed Avenue, and 3.8 mi east of Fentress. Owner: Virginia Department of Environmental Quality.

AQUIFER.--Middle Potomac aquifer of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in. to 1,270 ft, diameter 2 in. from 1,270 to 1,390 ft, depth 1,390 ft, screened 1,370 to 1,380 ft.

INSTRUMENTATION.--Continuous strip-chart recorder. July 6, 1995 to Feb. 13, 1997, occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Prior to July 6, 1995, bimonthly measurement with chalked tape.

DATUM.--Elevation of land-surface datum is 15 ft above sea level, from topographic map. Measuring point: Top of casing, 1.1 ft above land-surface datum.

REMARKS.--Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown. Missing record due to recorder malfunction.

PERIOD OF RECORD.--March 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.00 ft below land-surface datum, Aug. 10, 1989; lowest measured, 70.02 ft below land-surface datum, Sept. 27, 28, 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	66.67	66.96	67.20	67.75	---	---	---	68.92	69.30	69.50	69.76	69.73
10	66.65	67.09	67.25	67.77	---	---	---	69.08	69.34	69.55	69.72	69.67
15	66.81	67.02	67.33	67.88	---	---	---	69.18	69.33	69.57	69.85	69.90
20	66.84	67.12	67.47	---	---	---	68.99	69.17	69.39	69.60	69.90	69.84
25	66.96	67.12	67.55	---	---	---	68.92	69.09	69.37	69.49	69.96	69.92
EOM	66.95	67.20	67.58	---	---	---	68.98	69.27	69.38	69.65	69.95	69.95

WATER YEAR 1999 HIGHEST INSTANTANEOUS 66.52 OCT 01, 1998
 LOWEST INSTANTANEOUS 70.02 SEP 27, 28, 1999

