

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.

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, 66.53 ft below land-surface datum, Sept. 25-27, 29, 30, 1998.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
LOWEST DAILY VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	65.95	66.00	65.83	66.08	65.53	65.85	65.80	65.78	65.91	66.12	66.40	66.31
10	66.08	65.81	65.93	66.00	65.92	65.74	65.78	65.72	66.07	66.13	66.42	66.33
15	66.06	65.77	66.00	66.10	65.96	65.94	65.84	65.91	65.91	66.29	66.40	66.42
20	65.98	65.91	66.00	65.97	65.70	65.72	65.90	65.87	65.99	66.11	66.50	66.42
25	65.97	66.00	65.90	65.98	65.80	66.01	65.86	65.91	66.07	66.22	66.43	66.53
EOM	65.98	65.92	66.06	65.90	65.75	65.86	65.96	65.92	66.00	66.29	66.22	66.53

WATER YEAR 1998 HIGHEST INSTANTANEOUS 65.28 FEB 05, 1998
 LOWEST INSTANTANEOUS 66.53 SEP 25-27, 29, 30, 1998

