

GROUND-WATER LEVELS
CITY OF CHESAPEAKE

364227076074708. Local number, 61B 14 SOW 091G.

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.--Brightseat-upper Potomac aquifer of Cretaceous-Paleocene age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in. to 987 ft, diameter 2 in. from 987 to 1,110 ft, depth 1,110 ft, screened 1,090 to 1,100 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, 0.9 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, 51.30 ft below land-surface datum, Mar. 22, 1989; lowest measured, 65.75 ft below land-surface datum, Aug. 25, 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 | 62.49 | 62.78 | 63.01 | 63.57 | 64.02 | 64.23 | 64.59 | 64.77 | 65.12 | 65.36 | 65.50 | 65.50 |
| 10 | 62.50 | 62.91 | 63.12 | 63.62 | 64.10 | 64.16 | 64.58 | 64.87 | 65.13 | 65.40 | 65.58 | 65.42 |
| 15 | 62.67 | 62.88 | 63.18 | 63.70 | 64.11 | 64.12 | 64.53 | 64.95 | 65.13 | 65.42 | 65.60 | 65.68 |
| 20 | 62.65 | 62.98 | 63.29 | 63.73 | 63.97 | 64.34 | 64.57 | 64.94 | 65.22 | 65.45 | 65.65 | 65.65 |
| 25 | 62.80 | 62.95 | 63.38 | 63.82 | 64.13 | 64.35 | 64.70 | 64.90 | 65.22 | 65.39 | 65.75 | 65.72 |
| EOM | 62.78 | 63.00 | 63.40 | 64.10 | 64.09 | 64.53 | 64.77 | 65.10 | 65.22 | 65.40 | 65.74 | 65.73 |

WATER YEAR 1999 HIGHEST INSTANTANEOUS 62.38 OCT 01, 1998
 LOWEST INSTANTANEOUS 65.75 AUG 25, 1999

