

## GROUND-WATER LEVELS

## CITY OF CHESAPEAKE

364852076252201. Local number, 59C 29 SOW 163A.

LOCATION.--Lat 36°48'52", long 76°25'22", Hydrologic Unit 02080208, 0.7 mi southeast of intersection of State Highways 191 and 337 in Chesapeake. Owner: Virginia Department of Environmental Quality.

AQUIFER.--Columbia aquifer of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in., depth 35 ft, screened 25 to 35 ft.

INSTRUMENTATION.--Biweekly measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Aug. 21, 1985 to Oct. 9, 1996, bimonthly measurement with chalked tape. Prior to Aug. 21, 1985, occasional 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, prior to Mar. 11, 1996; 2.45 ft Mar. 12, 1996 to May 28, 1998; 3.74 ft thereafter.

REMARKS.--Records provided by the Virginia Department of Environmental Quality - Water Division.

PERIOD OF RECORD.--November 1981 to current year. Unpublished records available prior to October 1985 in files of the Virginia Department of Environmental Quality - Water Division.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.70 ft below land-surface datum, Mar. 14, 1989; lowest measured, 18.39 ft below land-surface datum, Nov. 5, 1991.

## WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

| DATE            | WATER LEVEL | DATE    | WATER LEVEL | DATE         | WATER LEVEL | DATE   | WATER LEVEL | DATE   | WATER LEVEL | DATE   | WATER LEVEL |
|-----------------|-------------|---------|-------------|--------------|-------------|--------|-------------|--------|-------------|--------|-------------|
| OCT 08          | 6.86        | DEC 08  | 7.53        | FEB 16       | 8.28        | APR 09 | 7.40        | JUN 14 | 7.79        | AUG 13 | 6.55        |
| OCT 26          | 7.25        | DEC 16  | 7.18        | FEB 26       | 7.90        | APR 22 | 7.25        | JUN 28 | 7.30        | AUG 27 | 6.64        |
| NOV 12          | 7.44        | JAN 04  | 8.14        | MAR 11       | 7.93        | MAY 06 | 7.39        | JUL 15 | 6.70        | SEP 09 | 5.44        |
| NOV 30          | 7.42        | JAN 21  | 8.00        | MAR 25       | 7.57        | MAY 24 | 7.43        | JUL 29 | 6.15        | SEP 24 | 5.48        |
| WATER YEAR 1999 |             | HIGHEST | 5.44        | SEP 09, 1999 |             |        |             |        |             |        |             |
|                 |             | LOWEST  | 8.28        | FEB 16, 1999 |             |        |             |        |             |        |             |

