

GROUND-WATER LEVELS

CLARKE COUNTY

390348078035501. Local number, 46W175.

LOCATION.--Lat 39°03'48", long 78°03'55", Hydrologic Unit 02070007, 1.5 mi east of the intersection of U.S. Highways 17/50 and 340 at Blandly Experimental Farm. Owner: University of Virginia.

AQUIFER.--Conococheague Limestone of Middle Cambrian age.

WELL CHARACTERISTICS.--Drilled unused water well, diameter 6 in., depth 80.4 ft, cased to 24 ft, open hole 24 to 80.4 ft.

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

DATUM.--Elevation of land-surface datum is 600 ft above sea level, from topographic map. Measuring point: Top of casing, 3.7 ft above land-surface datum.

REMARKS.--Missing record due to recorder malfunction.

PERIOD OF RECORD.--July 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 24.63 ft below land-surface datum, Apr. 1, 1998, may have gone higher during period of missing record, Jan. 16 to Apr. 1, 1998; lowest recorded, 44.51 ft below land-surface datum, Feb. 11, 13-16, 1992.

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 | 34.31 | 35.43 | 36.41 | 37.27 | 35.60 | 36.71 | 35.36 | 36.42 | 37.66 | 38.69 | 39.83 | 40.97 |
| 10 | 34.51 | 35.64 | 36.55 | 37.40 | 36.01 | 36.45 | 35.70 | 36.66 | 37.81 | 38.86 | 40.04 | 40.41 |
| 15 | 34.74 | 35.79 | 36.68 | 37.36 | 36.35 | 36.41 | 35.66 | 36.88 | 37.98 | 39.06 | 40.23 | 40.53 |
| 20 | 34.94 | 35.94 | 36.80 | 36.51 | 36.54 | 35.16 | 35.93 | 37.09 | 38.15 | 39.23 | 40.47 | 39.23 |
| 25 | 35.13 | 36.10 | 36.94 | 34.90 | 36.74 | 34.64 | 36.01 | 37.25 | 38.31 | 39.40 | 40.69 | 39.31 |
| EOM | 35.19 | 36.26 | 37.09 | 35.11 | 36.87 | 35.03 | 36.13 | 37.47 | 38.48 | 39.63 | 40.86 | 38.65 |

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| WATER YEAR 1999 | HIGHEST INSTANTANEOUS | 34.03 | OCT 01, 1998 |
| | LOWEST INSTANTANEOUS | 40.97 | SEP 4-5, 1999 |

DAILY LOW-WATER LEVELS

