

GREENE COUNTY—Continued

353111077334402. County number, GR-085; L6 Lizzie N26q6.

LOCATION.--Lat 35°31'11.78", long 77°33'43.09", Hydrologic Unit 03020203, near Lizzie, north of Secondary Road 1335 and west of Secondary Road 1345.
 Owner: DENR (North Carolina Department of Environment and Natural Resources).

WATER-LEVEL RECORDS

AQUIFER.--Surficial.

WELL CHARACTERISTICS.--Drilled observation well, depth 8 ft, diameter 2 in., screened interval from 4 to 7 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape.

DATUM.--Land-surface datum is 73.38 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 3.38 ft above land surface datum.

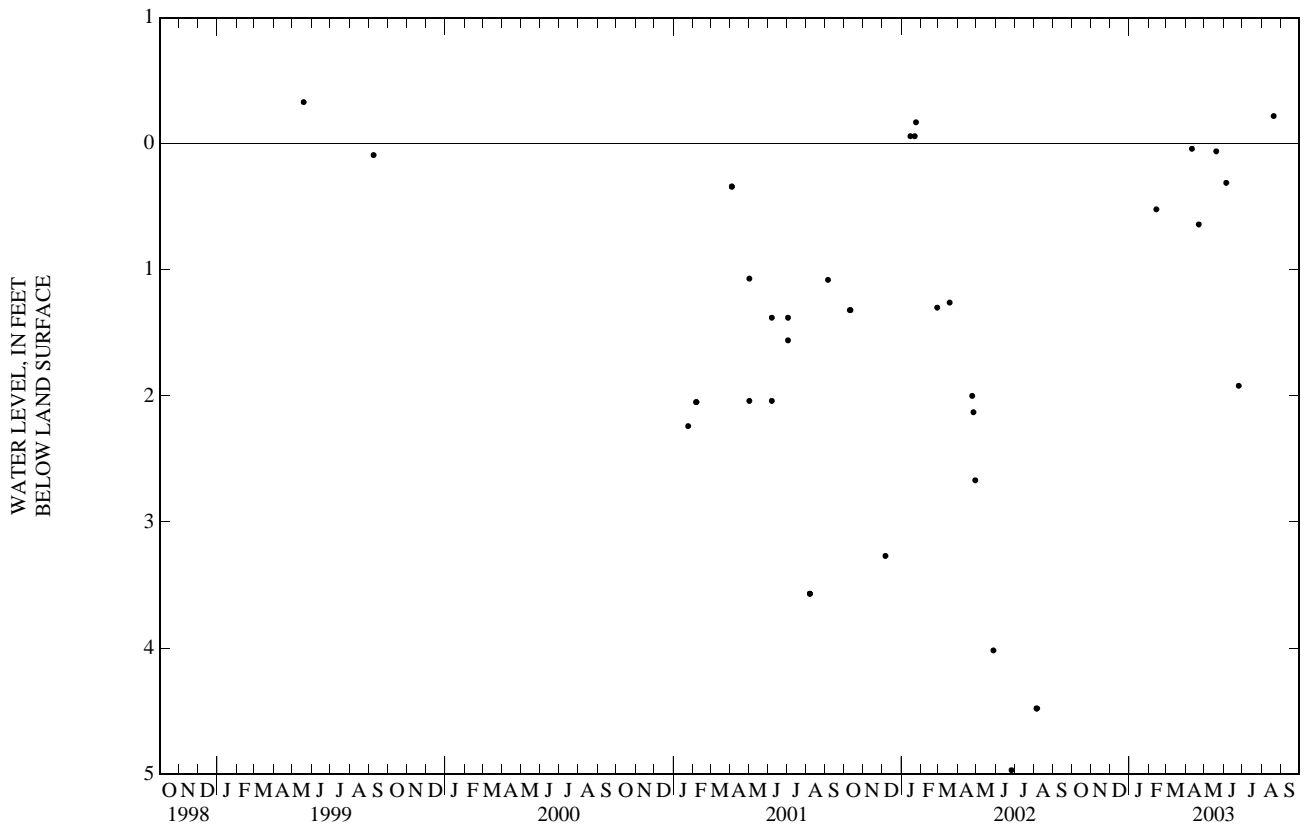
REMARKS.--Station operated in cooperation with DENR as part of the Lizzie research site water-quality monitoring project.

PERIOD OF RECORD.--May 1999 to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, -0.33 ft below land-surface datum, May 19, 1999; lowest water level measured, 4.97 ft below land-surface datum, June 26, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"),
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|--------|-------------|--------|-------------|--------|-------------|--------|-------------|
| FEB 13 | .52 | APR 22 | .64 | JUN 05 | .31 | AUG 20 | +.22 |
| APR 11 | .04 | MAY 20 | .06 | JUN 25 | 1.92 | | |



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1995 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources as part of the Lizzie Research site water-quality monitoring project.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Time | Depth to water level, feet below LSD (72019) | Barometric pressure, mm Hg (00025) | Dissolved oxygen, mg/L (00300) | Dissolved oxygen, percent of saturation (00301) | pH, water, unfltrd field, std units (00400) | Specif. conductance, wat unfltrd uS/cm 25 degC (00095) | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | Hardness, water, unfltrd mg/L as CaCO3 (00900) | Calcium water, fltrd, mg/L (00915) | Magnesium, water, fltrd, mg/L (00925) | Potassium, water, fltrd, mg/L (00935) |
|-----------|------|--|------------------------------------|--------------------------------|---|---|--|---------------------------------|-----------------------------------|--|------------------------------------|---------------------------------------|---------------------------------------|
| FEB 13... | 1345 | 0.52 | 775 | 2.8 | 24 | 4.3 | 777 | -- | 8.9 | 170 | 43.2 | 15.9 | 12.7 |
| APR 11... | 1425 | 0.04 | 756 | 0.8 | 8 | 3.5 | 705 | 9.5 | 12.6 | 160 | 38.9 | 14.6 | 14.1 |
| APR 22... | 1000 | 0.64 | 756 | 0.9 | 9 | 4.2 | 743 | 22.0 | 16.9 | 160 | 39.7 | 14.9 | 13.0 |
| JUN 05... | 1405 | 0.31 | 763 | 0.6 | 5 | 4.4 | 822 | 31.0 | 13.4 | 150 | 36.6 | 13.2 | 12.5 |
| AUG 20... | 1410 | -0.22 | 772 | 0.7 | 8 | 4.3 | 671 | 31.0 | 23.2 | 120 | 28.6 | 12.0 | 9.75 |

| Date | Sodium, water, fltrd, mg/L (00930) | Chloride, water, fltrd, mg/L (00940) | Sulfate water, fltrd, mg/L (00945) | Ammonia + org-N, water, fltrd, mg/L as N (00623) | Ammonia water, fltrd, mg/L as N (00608) | Nitrite + nitrate water fltrd, mg/L as N (00631) | Nitrite water, fltrd, mg/L as N (00613) | Organic nitrogen, water, fltrd, mg/L (00607) | Orthophosphate, water, fltrd, mg/L as P (00671) | Phosphorus, water, fltrd, mg/L (00666) | Total nitrogen, water, fltrd, mg/L (00602) | Organic carbon, water, fltrd, mg/L (00681) | Iron, water, fltrd, ug/L (01046) |
|-----------|------------------------------------|--------------------------------------|------------------------------------|--|---|--|---|--|---|--|--|--|----------------------------------|
| FEB 13... | 48.7 | 110 | 21.4 | 0.38 | <0.04 | 41.9 | <0.008 | -- | 0.02 | 0.022 | 42 | 2.3 | E5 |
| APR 11... | 46.0 | 96.8 | 19.8 | 0.90 | 0.56 | 37.0 | 0.017 | 0.34 | 0.02 | 0.024 | 38 | -- | 20 |
| APR 22... | 44.8 | 98.9 | 20.7 | 0.42 | 0.17 | 45.1 | E.004 | 0.26 | E.01 | -- | 46 | 2.2 | 38 |
| JUN 05... | 42.3 | 98.4 | 18.6 | 0.40 | 0.08 | 38.2 | 0.014 | 0.32 | -- | 0.025 | 39 | 2.0 | 39 |
| AUG 20... | 35.1 | 85.7 | 15.0 | 0.47 | 0.12 | 32.4 | 0.013 | 0.35 | <0.18 | 0.030 | 33 | -- | 37 |