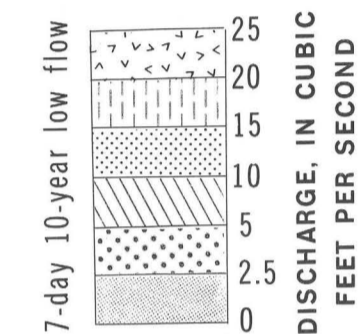




EXPLANATION

GAGING STATIONS

- ▲ Partial-record gaging station (floods)
- ▲ Measurement site without a gage
- 41 Map number
- 03-310130 Station number
- 1.85 Area above site, in square miles (approximated)
- × Small rapids at low flow on Nolin River below Gilead Church
- Basin boundary (surface water)
- - - Subbasin boundary (surface water)
- ▨ Area where no base flow was observed in period of study



QUALITY-OF-WATER SITES

- ▼ Active site
- ▼ Chemical-measurement site
- ▼ Temperature-measurement site

Chemical composition

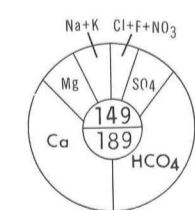


Figure above line at center of circle is carbonate hardness (calcium-magnesium hardness, as CaCO_3) in mg/L (milligrams per liter); figure below line is dissolved solids in mg/L. Hardness of water is classified by the Geological Survey as follows: 0-60 mg/L soft; 61-120 mg/L moderately hard; 121-180 mg/L hard; 181 mg/L or more, very hard. Areas of the segments of each circle are proportional to the mineral components in the dissolved solids in the water. Percentages are computed from milliequivalents per liter of anions and cations. Calcium and magnesium are shown as one segment in partial analysis. Date sample collected and discharge in ft^3/s are shown on leader. Chemical symbols are as follows: Br, bromide; Ca, calcium; Cl, chloride; CO_3 , carbonate; F, fluoride; HCO_3 , bicarbonate; I, iodide; K, potassium; Mg, magnesium; Na, sodium; NO_3 , nitrate; and SO_4 , sulfate.

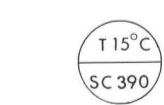


Figure above line at small circle is temperature of water, in $^{\circ}\text{C}$; figure below line is specific conductance of water in micromhos per centimeter at 25°C .

Streamflow measurement sites , water-quality sampling sites, and 7-day 10-year low flows , in Elizabethtown area, Kentucky.