

Smithville Lake

Region - Glacial Plains

Smithville Lake is a 7,087 acre Army Corps of Engineers reservoir located north of the Kansas City metro area. Grassland/pasture make up the largest portion of the watershed at 46%. Row cropping makes up about 28%, and 19% consists of forest. Only about 2% of the watershed is developed, with Plattsburg (located on the upper-reaches of the Little Platte Arm) being the bulk of this developed area. It should be noted that new developments are being built within the watershed.

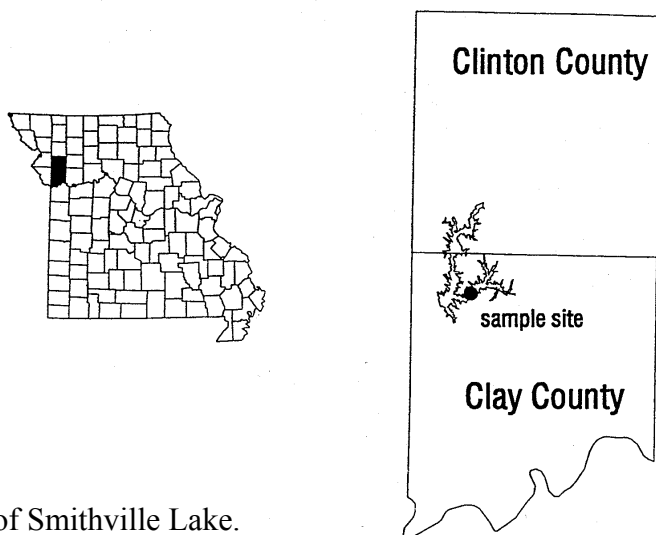


Figure 45. Location of Smithville Lake.

1999 Results

- ▶ Smithville Lake was only sampled twice in 1999.
- ▶ Average values for 1999 were: chlorophyll = 23.1 $\mu\text{g/L}$, nitrogen = 1570 $\mu\text{g/L}$, and phosphorus = 34 $\mu\text{g/L}$.
- ▶ These values suggest that Smithville Lake was eutrophic in 1999.