

how *E. COLI* impacts YOUR LAKE



THREAT

E. coli is a bacterium that plays a role in several harmful diseases. More than 77,000 residents and thousands of vacationers rely on local water. Yet, the county's waterways could produce hidden health risks. The high *E. coli* levels in Koscisko County are unacceptable.



Water samples were tested for humans, dog, goose, duck and gull DNA. Only gull came back positive.



There were 70% more birds at Center Lake, but they didn't have an impact on overall *E. coli* levels.

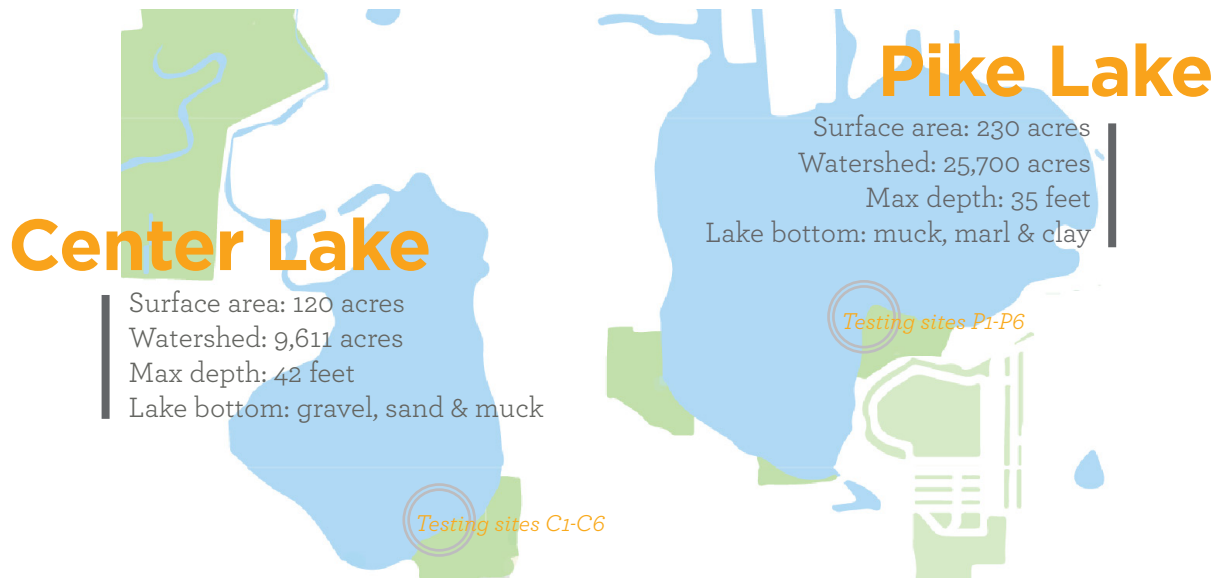


Center Lake had over twice the amount of swimming activity as Pike Lake. Swimming was not strongly correlated to *E. coli*.

PURPOSE

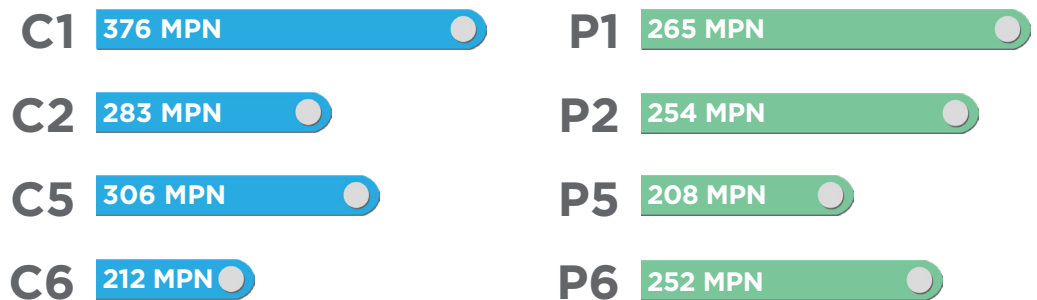
This study investigates the cause of elevated *E. coli* levels at the public swimming areas on Pike and Center lakes, and provides recommendations to lower them.

FOCUS



E. COLI LEVELS

Center & Pike Lakes



E. coli levels become dangerous at 235 MPN/100 ml or above.



LILLY CENTER FOR
**LAKES
& STREAMS**

GRACE
COLLEGE