Forest Lake Water Ecology June 2024

Below is the sample tests and results of E. Coli bacteria from our lake management service from Savin Lake management services for Forest lake.  Bacteria detection is important to human health and the results of testing put us within the EGLE allowable limits and we may conclude that our recently installed check dams and sediment ponds are working and have no apparent septic infiltration around the lake.  Additional water quality sampling will be taken throughout the year and test results will be shared and posted at the club house, on the Forest Lake website and face book pages.

Please remember that as always, lake users take the responsibility to “swim at your own risk” regarding your safety.

Ron Swagman Forest Lake Director of Lake Ecology.

**From:** Matt Novotny: Operations Manager Savin Lake Services Inc.
**Sent:** Friday, June 14, 2024 1:27 PM
**To:** r swagman
**Cc:** Guy Savin
**Subject:** Forest Lake E.Coli samples

We only had 1 detection of E.Coli in the lake at 63, and one detection in the river at 30. You can see below that the daily max is 300 (for whole body contact) or 1,000 (for partial body contact). That means Forest Lake E.Coli levels are far below any water quality standard threshold. Information was gathered from Michigan EGLE website: <https://www.michigan.gov/egle/about/organization/water-resources/glwarm/e-coli-in-surface-waters>

**Water Quality Standard for *E. coli*:**

**Total Body Contact (May 1 - October 31):**
Daily Maximum Geometric Mean: 300 *E. coli* per 100 milliliters (ml)
30-Day Geometric Mean: 130 *E. coli* per 100 ml

**Partial Body Contact (all year):**
Daily Maximum Geometric Mean: 1,000 *E. coli* per 100 ml