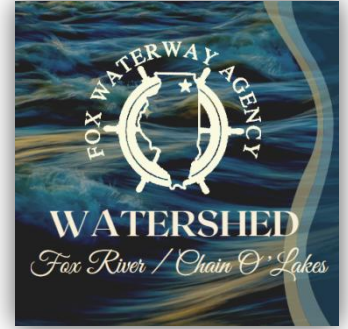


# Chain O'Lakes Watershed Based Plan

## Basic Water Quality 101



**Date:** Thursday, October 27<sup>th</sup>

**Time:** 7:00 – 8:15 pm

**Place:** Fox Waterway Agency

45 S. Pistakee Lake Rd, Fox Lake, IL 60020

**Zoom:** <https://us06web.zoom.us/j/9722712331>

**Cost:** Free

With funding from the Illinois Environmental Protection Agency (IEPA) Section 319 program, the Fox Waterway Agency is taking the lead in overseeing the development of a Watershed Based Plan (WBP), which is a strategy and work plan for identifying existing water quality issues and identifying potential solutions to protect and enhance water quality.

The key to success in this effort is educating those watershed stakeholders on the various issues and encouraging their active involvement in both the watershed planning and watershed plan implementation phases. As part of this effort, education outreach presentations are being scheduled on the current state of water quality issues and conditions of the Fox River / Chain O'Lakes, as well as opportunities for watershed stakeholders to help address these problems.

The first of these presentations on October 27<sup>th</sup> will focus on the cause and source of pollutants impacting the waterway, these pollutants include sediment from shoreline erosion causing increased turbidity; nutrients from fertilizers contributing to algae blooms and excessive weed growth; bacteria from failing septic systems and waterfowl resulting in swim advisories; and unfiltered urban storm water runoff from paved areas carrying various pollutants into the waterway. Additional information will be provided on water quality monitoring activities currently being conducted, and how the data from that monitoring can be used in the development and implementation of the watershed plan.

### **Meeting Agenda:**

- Brief introduction – Fox Waterway Agency
- Chain O'Lakes Water Quality Issues and Impacts – Alana Bartolai
- Chain O'Lakes Water Quality Monitoring – Diane Tancl
- Question and Answer Session – Project Team and Audience

### **Speakers:**

**Alana Bartolai** – Ecological Services Program Coordinator at Lake County Health Department

*Alana is an experienced Water Specialist with a Master Degree focused in Water Resource Sciences from University of Minnesota-Twin Cities. Experience skilled in limnology, water sampling and equipment maintenance, scientific writing, and watershed outreach.*

**Diane Tancl** - Environmental Protection Specialist with Illinois Environmental Protection Agency

*Diane is an experienced environmental biologist with 16 years coordinating the IEPA Inland Lake Monitoring Program in the Northern Monitoring Unit.*