



## FRESHWATER POND SCIENCE 101 ZOOM WEBINAR

THURSDAY, AUGUST 22, 4:00-5:30 PM

<https://us02web.zoom.us/j/87160986875?pwd=znULqp5EnLwRe1d1p5ExbFli4BBhab.1>

The webinar will provide **an introduction to Freshwater Pond Science**, helping us understand the basic biological, chemical, and physical processes that govern these dynamic and critically important ecosystems. By understanding pond ecology, water quality, the biodiversity of aquatic life in our ponds, cyanobacteria, and the impacts of human activities, we will be more effective in protecting our ponds. The webinar will:

- explain the importance of freshwater ponds in the ecosystem
- cover the basic physical and chemical properties of freshwater ponds
- identify key biological components of pond ecosystems, including plants, animals, and microorganisms
- describe the nutrient cycles (nitrogen and phosphorus)
- highlight human impacts on ponds, including pollution, invasive species, and conservation and restoration efforts.

### **Julie Hambrook Berkman, Ph.D.**

As the Association to Preserve Cape Cod's Pond and Cyanobacteria Program Manager, Julie is responsible for coordinating and managing the Pond Monitoring Program and the Cyanobacteria Monitoring Program. In her role, she builds and maintains partnerships with municipalities, agencies, organizations, and volunteers, engaging with interested citizens and organizations that care about Cape Cod's 890 ponds to preserve pond water quality for the benefit of all.

### **Liz Moran, Ph.D.**

Liz is a Planning and Restoration Specialist at Anchor QEA and an environmental scientist with a long career in lake and watershed management. She is also a member of the Cape Cod Commission team that is guiding the Freshwater Ponds Initiative. Liz has worked on multiple pond assessment and restoration projects across the Cape.

We hope you will join us, whether you live in Falmouth or elsewhere on Cape Cod. There is no need to register, but it would be helpful to know approximately how many people may participate. **If you know you plan to attend please send a note to [FPCwebinarsevents@gmail.com](mailto:FPCwebinarsevents@gmail.com)**

### **Zoom Link:**

<https://us02web.zoom.us/j/87160986875?pwd=znULqp5EnLwRe1d1p5ExbFli4BBhab.1>