



EutroPHIX®  
A SEPRO Scientific Solution

Why wait decades  
to enjoy your  
water again?





# Accelerating Water Resource Restoration

## A Global Problem

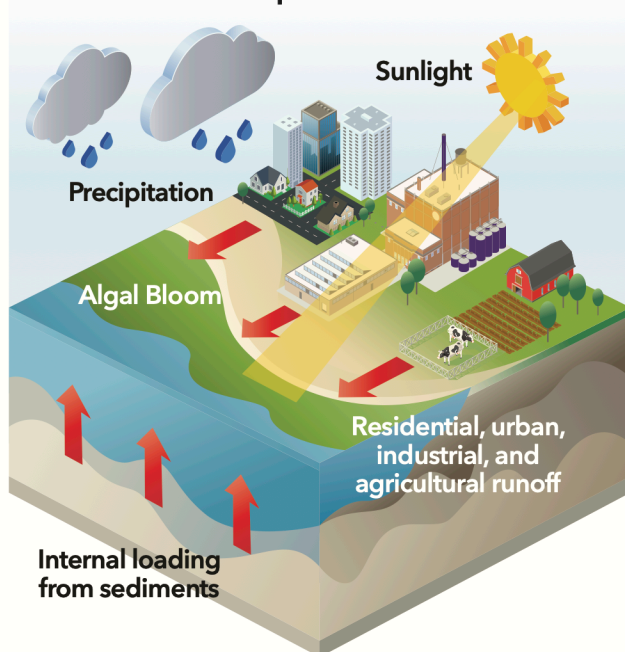
Eutrophication is the process of nutrients accumulating in a water body over time. An overabundance of nitrogen and phosphorus often leads to water quality impairment such as hypoxia (oxygen depletion) or harmful algae blooms (HABs or cyanobacteria).

Cyanobacteria blooms caused by nutrient pollution can produce toxins in water or air potent enough to put humans and wildlife at risk. Billions of dollars in economic damages related to HABs include the loss of recreational revenue, decreased property values, and increased drinking-water treatment costs.

## Speeding Up the Restoration Process

When it comes to in-lake water quality restoration, watershed management is a necessary component to the process. However, when relying only on watershed management strategies, it often takes decades before positive impacts are observed within the lake itself.

## What Causes Eutrophication



Eutrophication begins when nutrients enter a water body from sources such as residential, urban, industrial, and agricultural runoff. Once nutrients enter a lake, they remain in place (water and sediments) until mitigation occurs. Without mitigation, excess phosphorus will lead to harmful algae blooms (HABs) that can become toxic and put human health and wildlife at risk.



Harmful algae bloom at a recreational beach.

**Why wait decades to enjoy your water again? Safely enjoy your water now by complimenting good watershed management strategies with proven in-lake solutions to rapidly speed up the restoration process.**



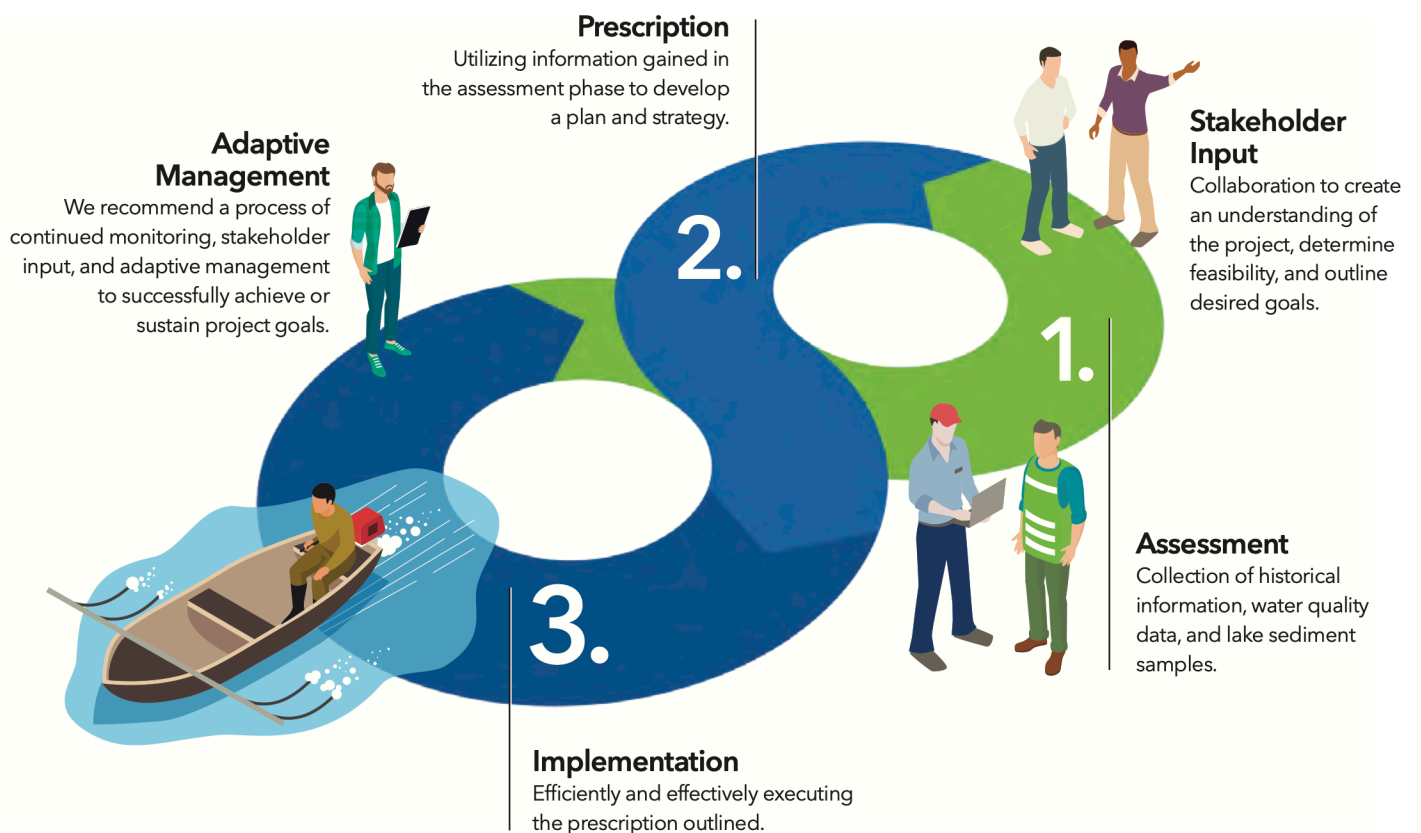
## Three Steps to Accelerate Water Quality Restoration

**Step 1. Assessment** - A critical phase that evaluates historical information, water quality data, and lake sediment samples to determine the scale of management and options to consider for restoration.

**Step 2. Prescription** - Utilizing information gained in the assessment phase to develop specific mitigation goals, applicable technologies, and restoration strategies.

**Step 3. Implementation** - The process of efficiently and effectively executing the prescription outlined to implement restoration.

This three-step process is guided by continuous communication and input with **key stakeholders**. Following implementation, we recommend a process of continued monitoring, stakeholder input, and adaptive management based upon outlined objectives and data to successfully achieve or sustain project goals.





Large lake application. (Photo courtesy of AquaTechnex, LLC.)

## Get Started

Restoring surface water resources from phosphorus pollution and toxic algae should not take years or decades to fix. With over 30 years of experience in water resource management, our team of experts are ready to help you protect and restore your lake's water quality quickly and effectively.

When you are ready to get started or want to learn more about the restoration process, contact us at:

**844-HAB-PHIX (844-422-7449) or [info@eutrophix.com](mailto:info@eutrophix.com).**

Visit [eutrophix.com](http://eutrophix.com).

