

## *Phragmites australis* & the Great Lakes

Non-native *Phragmites australis* (*Phragmites*) is a serious economic and environmental threat to the Great Lakes. Often developing into thick monoculture stands, *Phragmites* is one of the worst invasive species in the Great Lakes basin.

Land managers are attempting to remove *Phragmites* with the guidance of existing Best Management Practices (BMPs). BMPs provide information on generally-effective treatments, but site-specific, science-based treatment advice is not readily available.

Millions of dollars have been spent on *Phragmites* management across the Great Lakes basin; however, monitoring and management are inconsistent. This makes it difficult to measure regional progress, or compare data to learn from actions on the ground.

An adaptive management framework provides the opportunity to improve BMPs, promote consistent monitoring efforts across the basin, and make progress toward a regional strategy for the effective and efficient management of *Phragmites* across the Great Lakes basin.



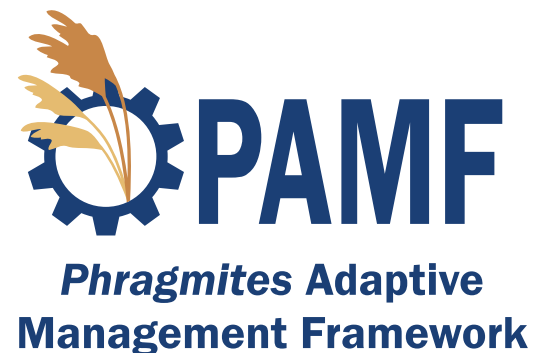
**Adaptive management means we are learning by actively managing. Effectiveness is recorded and will aid in achieving the fundamental goal: improved, regionwide management.**

Join the  
***Phragmites Adaptive  
Management Framework  
(PAMF) by visiting  
[greatlakesphragmites.net/pamf](http://greatlakesphragmites.net/pamf)***



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**Managing  
*Phragmites*  
with science  
on your side**



# Phragmites Adaptive Management Framework

Managing *Phragmites* with science on your side

The *Phragmites* Adaptive Management Framework (**PAMF**) is a new strategy for managing *Phragmites* in the Great Lakes basin that was initiated by the Great Lakes *Phragmites* Collaborative (GLPC) and funded by the Great Lakes Restoration Initiative.

A robust *Phragmites* management plan will have multiple components, but **PAMF** specifically focuses on improving the effectiveness and efficiency of management and monitoring activities.

To do this, **PAMF** applies adaptive management techniques using a centralized database, a standardized monitoring protocol, and a predictive model.

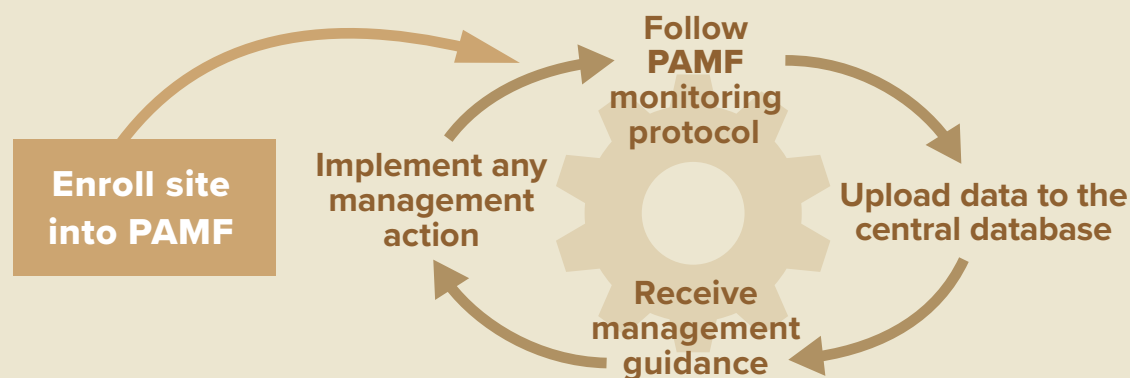
**PAMF** enables everyone to contribute site-specific information into a basin-wide strategy so everyone in the Great Lakes basin, no matter where they are, can work together and help improve the effectiveness and efficiency of treatment approaches.



## How it works

**PAMF** runs on an annual cycle. Participants join **PAMF** through the **PAMF** web hub. After enrolling a management unit, participants implement the **PAMF** monitoring protocol and upload those data to the central database through the **PAMF**

Web Hub. The predictive model combines and analyzes user-collected data and provide site-specific management guidance every year. Participants implement a management action of their choice and the cycle repeats until *Phragmites* no longer grows on the site. Data provided by all of the participating land managers across the basin will fuel the adaptive management process.



## Who should participate?

Anyone actively managing *Phragmites* or interested in doing so within the Great Lakes basin.

## Why participate?

- ⚙️ Manage *Phragmites* with science and the entire GLPC on your side
- ⚙️ Access an easy-to-use scientific monitoring protocol
- ⚙️ Access your *Phragmites* information and management history from anywhere, at anytime
- ⚙️ Easily contribute your data to a regional strategy that will benefit you and everyone else managing *Phragmites*
- ⚙️ Save time and let **PAMF** do the data analysis for you
- ⚙️ Receive science-based, site-specific management guidance for every site you enroll in the program—advice that will improve effectiveness and efficiency of treatments, saving you money
- ⚙️ Demonstrate to funding agencies that proposed actions will have a basin-wide impact

