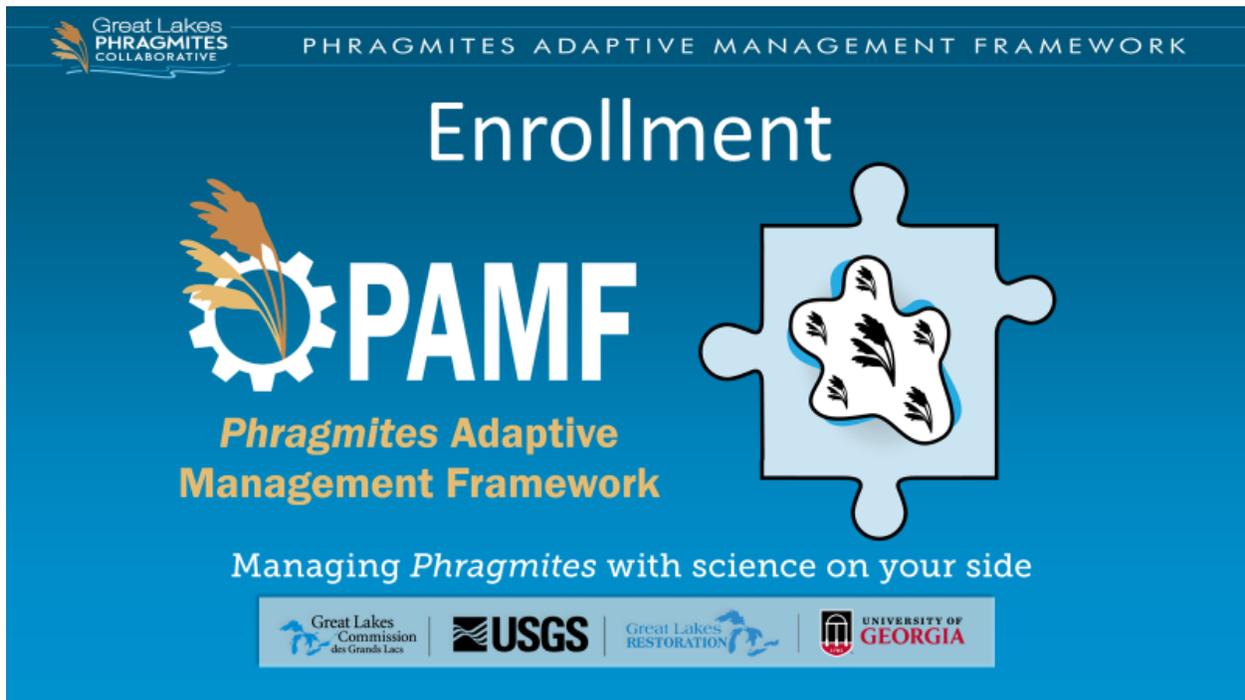




## Enrollment: Video Transcription

June 2020



[The first step in the PAMF participant cycle is enrolling a management unit into PAMF.]

## PAMF Participation Cycle



[Before you can benefit from the collective learning process, you must first enroll your management unit into PAMF. Enrollment is covered in chapter 1 of the [PAMF Participant Guide](#). This gear figure represents the PAMF participant cycle, with enrollment shown in the outer blue ring. Enrollment can happen any time during the year, with most participants enrolling sometime in the spring before the start of the next cycle year.]

## Enrolling a Management Unit

- What is a **management unit (MU)**?
  - Enrolled area where *Phragmites* will be uniformly managed



[So, what is a management unit? A management unit is simply the area in which you are planning to manage *Phragmites* in a uniform way. Once you enroll a management unit into PAMF, the boundaries are unchanging even though the distribution of *Phragmites* within the unit may change.]

## Enrolling a Management Unit

1. Establish boundary in Web Hub
2. Enrollment questionnaire

**PAMF** PHRAGMITES ADAPTIVE MANAGEMENT FRAMEWORK  
Managing Phragmites with science on your side

Home Resources View Management Unit **Enroll a Management Unit** View Management Database View PAMF.org Users Reports About Contact Us Public Review Statement Protect Your Privacy

### Enroll a Management Unit

Management Unit Name

Upload GPX  
 No file chosen

\*If uploading gpx is not possible, please draw the perimeter of your management unit on the map.

Area (acres)

[www.pamf-portal.net](http://www.pamf-portal.net)

[Enrolling the management unit has two steps: establishing the boundaries and filling out the enrollment questionnaire. All enrollment data is submitted to the central database on the PAMF Web Hub, which can be accessed by visiting [www.pamfportal.net](http://www.pamfportal.net).]

## Enrolling a Management Unit

- Establish boundary in Web Hub → **Upload GPX**
  - Equipment:
    - Handheld device with GPS
    - ViewRanger app
  - Record MU perimeter
  - Upload to Web Hub



[The best way to establish your management unit's boundary is by using a GPS device and walking the perimeter of your selected management unit. The PAMF participant guide has instructions for how to do this using a smart phone and the ViewRanger app. However, there are many different ways to generate a GPX file that can be uploaded to the Web Hub. Once you have a file uploaded to the Web Hub it will display in a similar way to the management unit displayed in this image.]

## Enrolling a Management Unit

- Establish boundary in Web Hub → Draw on map interface



[It may not be possible for you to generate a GPX file, and that is ok! Another option is to draw the boundary on the map interface that is built into the Web Hub. The drawback to this approach is that we are utilizing Google Earth, and the map for your area may be dated or from a season in which no *Phragmites* is growing, making it more difficult to accurately establish your boundaries. We still encourage you to visit your prospective management unit prior to using the map interface tool so you have a good idea of where you will be actively managing *Phragmites*.]

## Enrolling a Management Unit

- Upload pictures to the Web Hub to:
  - Keep track of MU boundaries
  - Have "before" pictures available for comparison after managing



[Participants are encouraged to upload pictures to the Web Hub when they enroll their management unit. Pictures can help you keep track of your management unit boundaries and give you before pictures for reference.]

# Enrolling a Management Unit

## Enrollment Questionnaire

- Gradients or longest transect
- *Phragmites* outside the MU
- Treatment history\*
- Habitat type
- Hydrology
- Management action capabilities\*



\*Once an MU is enrolled, these details CAN be edited.

**Phragmites Adaptive Management Framework**  
Managing *Phragmites* with science on your side

**Enrollment Questionnaire**

Management Unit Name: \_\_\_\_\_ Date: \_\_\_\_\_

Is there a gradient of stems clearly throughout the management unit (MU)? If so, note the cardinal direction and say the following: "gradient is _____". If NO, is there a gradient in the hydrology of your MU? If so, note the direction. If NO, please select the direction for the longest possible transect across the MU.	YES / NO YES / NO WEDGE / DOUBLE
Is there <i>Phragmites</i> present immediately outside the MU (border of any point)?	YES / NO
Is any portion of the MU boundary shared with a neighboring land manager or landowner?	YES / NO
If YES, answer to the next question.	
If YES, do you observe non-native <i>Phragmites</i> growing on the property that borders your MU?	YES / NO
If YES, does <i>Phragmites</i> grow immediately across the border of your MU and onto a neighbor's property?	YES / NO
Has this MU been treated within the past 5 years using herbicide that contained glyphosate or imazapyr as the active ingredient?	YES / NO Uncertain
If NO or Uncertain, answer to the next question.	
For how many years has this MU treated with a glyphosate herbicide?	____ YEARS
For how many years has this MU treated with an imazapyr herbicide?	____ YEARS
Select the habitat type that most closely resembles that of your MU. Check all that apply. <input type="checkbox"/> Agricultural Land <input type="checkbox"/> Field <input type="checkbox"/> Blackberry/Glory <input type="checkbox"/> Wetland <input type="checkbox"/> Beach <input type="checkbox"/> Prairie/Cassidown <input type="checkbox"/> Urban/Developed <input type="checkbox"/> Woodland	
Which of the following hydrologic regimes best describe your MU? <input type="checkbox"/> WET <input type="checkbox"/> MIDDLE <input type="checkbox"/> DRY (Wet: standing water present over the majority of the MU the total of the year. Middle: occasional standing water, but for less than 50% of the year over the MU. Dry: never any observed standing water on any of the MU)	
Can you control the water level over the entirety of your MU?	YES / NO
Is herbicide a treatment option for this MU? NOTE: PAMF participants are responsible for obtaining required permits.	YES / NO
Are the conditions ever appropriate to allow for cutting the <i>Phragmites</i> under water throughout all of your MU?	YES / NO

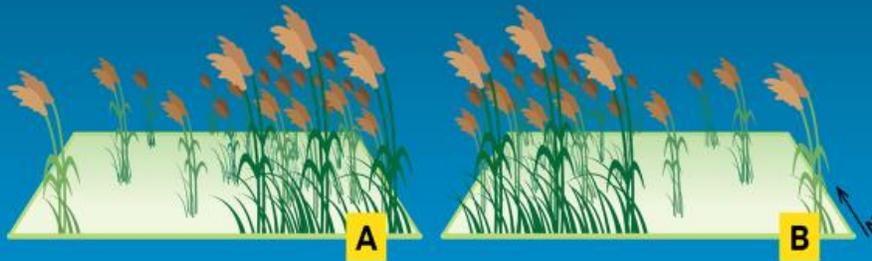
**Reminder: Take Pictures!**

USGS    Great Lakes PHRAGMITES Collaborative    Great Lakes Collaborative

[After enrolling the boundary, you'll answer a series of questions on the Web Hub that tell us a bit about the site: its history, site characteristics, and your management limitations. We want to understand your management limitations because we don't want to recommend a management action that you don't have the ability to implement, like flooding if you can't control the water levels within your management unit. You can change your responses to the management capabilities portion at any time by just going onto the PAMF Web Hub and editing the original enrollment questionnaire.]

## Enrolling a Management Unit

### Stem Density Gradient

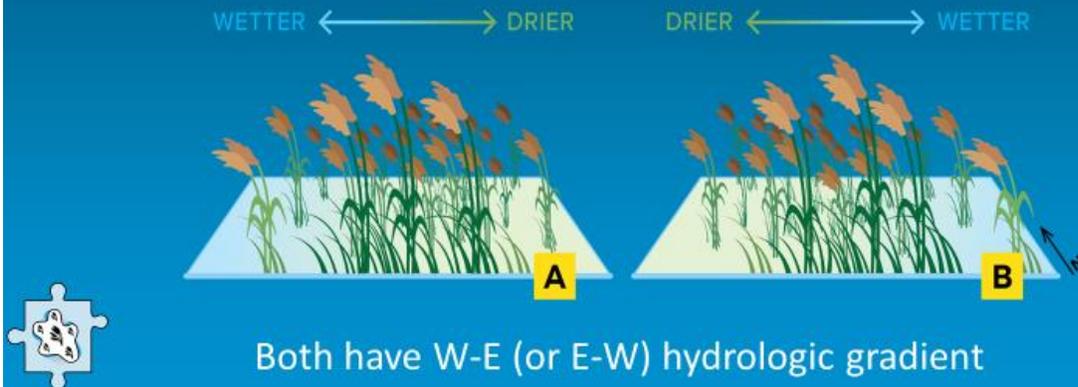


Both have a W-E (or E-W) stem density gradient

[I do want to highlight a few questions in the enrollment questionnaire regarding gradients, because they're particularly important for determining the appropriate orientation of your monitoring transect and locations. First check your unit for a stem density gradient, where the density of *Phragmites* decreases from one area of the management unit to another. Be sure to note the cardinal direction of the gradient if one is present. In this figure, both units have a stem density gradient running from West to East, or East to West – they're considered equivalent for the purposes of reporting.]

## Enrolling a Management Unit

### Hydrologic Gradient



[If no stem density gradient is found, check for a hydrologic gradient, where a clear transition occurs from drier to wetter soils, or even standing water. If a hydrologic gradient exists, note its direction. Both units in the figure display a hydrologic gradient running E-W or W-E.]

## Enrolling a Management Unit

### Longest Transect Direction



[If there are indeed no stem or hydrologic gradients, you'll be prompted to report the direction of the longest possible transect. Ultimately, all of this information is used to inform the placement of monitoring locations that will be randomly generated by the Web Hub each year when you go out to monitor in July, so that the data you collect are representative of the management unit as a whole.]

## Enrolling a Management Unit Transect Review Process



[After enrolling your management unit, you will receive a notification that you have indeed enrolled, but that your transect will not be visible until it is reviewed and approved by PAMF staff.]

## Enrolling a Management Unit

### Transect Review Process



[We built in this review process because situations had arisen where transects were falling outside of the management units, leaving participants with monitoring locations that were outside of their management unit boundaries. *Phragmites* doesn't grow in a straight line and so we can't expect your management unit to be a uniform shape. PAMF staff will review each of the transects suggested by the Web Hub and redraw manually if necessary. The process is quick on our end and should typically be done the same day you enroll, but no longer than 2 business days after enrollment. If you were hoping to enroll and monitor the same day in July, that is still possible. Contact us ahead of enrolling and we can do our best to immediately review your transect so there is no delay. Otherwise, you may use the participant-established monitoring locations instructions to establish your 5 quadrat locations. This document can be found on the PAMF Web Hub.]

## Enrolling a Management Unit

### Considerations

- Ability to manage entire MU uniformly
- ONE management action per phase
- Consistent boundary year to year
- 10+ meters wide
- Splitting up large units
- Representative



[There are some things to consider when deciding which management units to enroll in PAMF. First, you want to consider your ability to uniformly manage within your management unit. If you were thinking of applying different management techniques within one area, break it up into multiple management units instead. You will also want to select an area where you are comfortable implementing one management action at a time. There are also some practical considerations to make before mapping out your management unit. The boundaries will remain constant throughout the management unit's life in PAMF, so it may be helpful to consider if you will know where the bounds of your management unit are even as the *Phragmites* reduces over time. There are no size limits for PAMF site but choosing a site that is too large or too small may lead to some challenges when it comes time to monitor. When possible, enroll management units that are greater than 10 meters wide since most of your GPS devices are only accurate within 10 meters. This may not be possible when working in rights-of-ways or similar areas and that is ok! You can still enroll. If you are managing a very large area, you may want to consider splitting up the large unit into smaller units. This can help with accessibility issues that come with trying to monitor a large area. Finally, if you are managing one large stand or many smaller stands, consider enrolling a smaller portion of your area as multiple management units that are representative of the larger areas you are managing. The guidance you receive can then be applied out to the larger areas.]

## Enrolling a Management Unit

### In Summary

- Management units can be enrolled any time during the year
- Most of enrolling is done on the Web Hub
- Visit your site before enrolling
- The boundaries do not change
- Web Hub recourses are available
- PAMF staff are ready to help!



[pamf@glc.org](mailto:pamf@glc.org)



[Now you are ready to enroll your first management unit into PAMF! Remember, new management units can be enrolled any time during the year. Although most of the enrollment process is done online, you should still visit the site you are planning to enroll even if you choose to use the mapping interface to establish your boundaries.

The boundaries of your management unit will remain the same throughout your management unit's life in PAMF. If you run into any trouble, there are quick guides and other [resources](#) available on the PAMF Web Hub. And the PAMF staff is always ready and willing to help! You can reach us at [pamf@glc.org](mailto:pamf@glc.org).]

