

Great Lakes *Phragmites* Collaborative and the *Phragmites* Adaptive Management Framework

Ontario *Phragmites* Working Group AGM
January 18, 2018



Karen Alexander, Senior Program Specialist, Great Lakes Commission, kalexander@glc.org

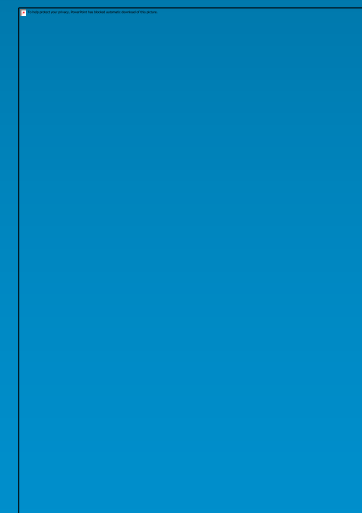
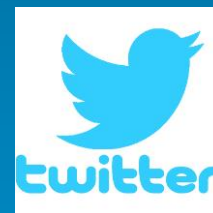
Basin- wide opportunities for OPWG members

- Great Lakes *Phragmites* Collaborative
 - Information sharing and communications activities
 - www.greatlakesphragmites.net
- *Phragmites* Adaptive Management Framework
 - Basin-wide collaborative learning program
 - www.greatlakesphragmites.net/pamf



GLPC Resources

- Website & Blog
- Case Studies
- Social Media Accounts
- Google Group (>650 members)
- Herbicide Quick Guide
- Weekly News Digest (e-news)
 - Phrag. spotter / Phrag. Fridays
- Phrag. Research Round-Up (e-news)
- Webinar Series
 - Research Webinar Series*
- Member Surveys (2011 & 2015)

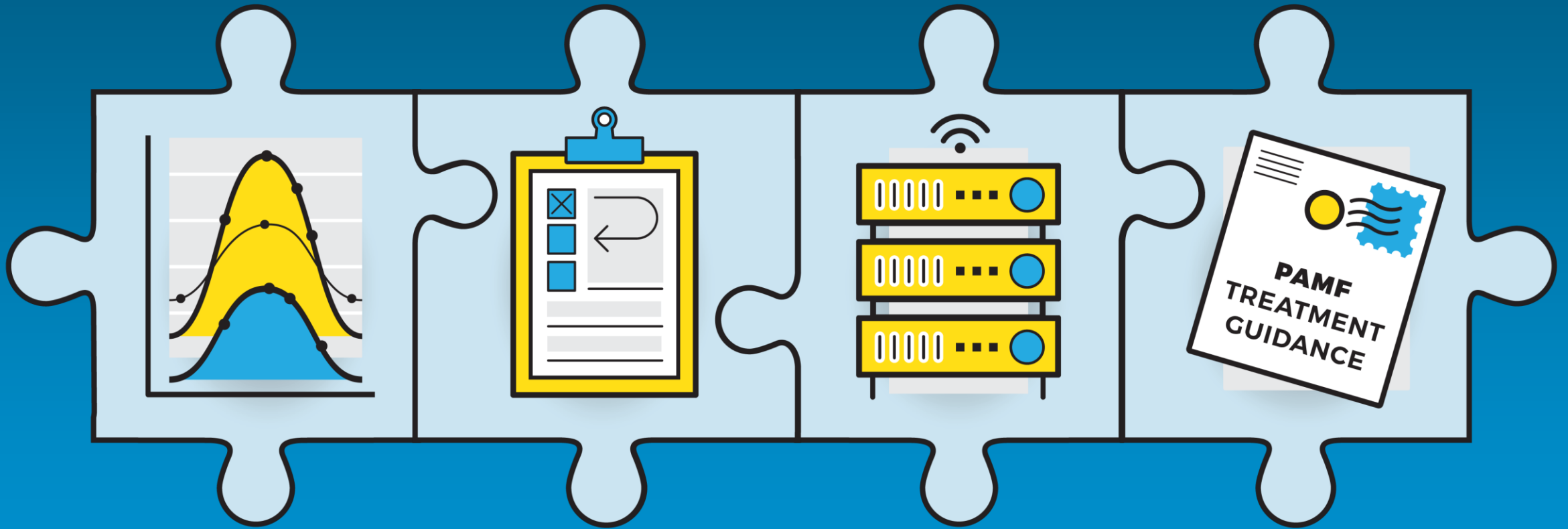


www.greatlakesphragmites.net



Phragmites Adaptive
Management Framework

Components of PAMF



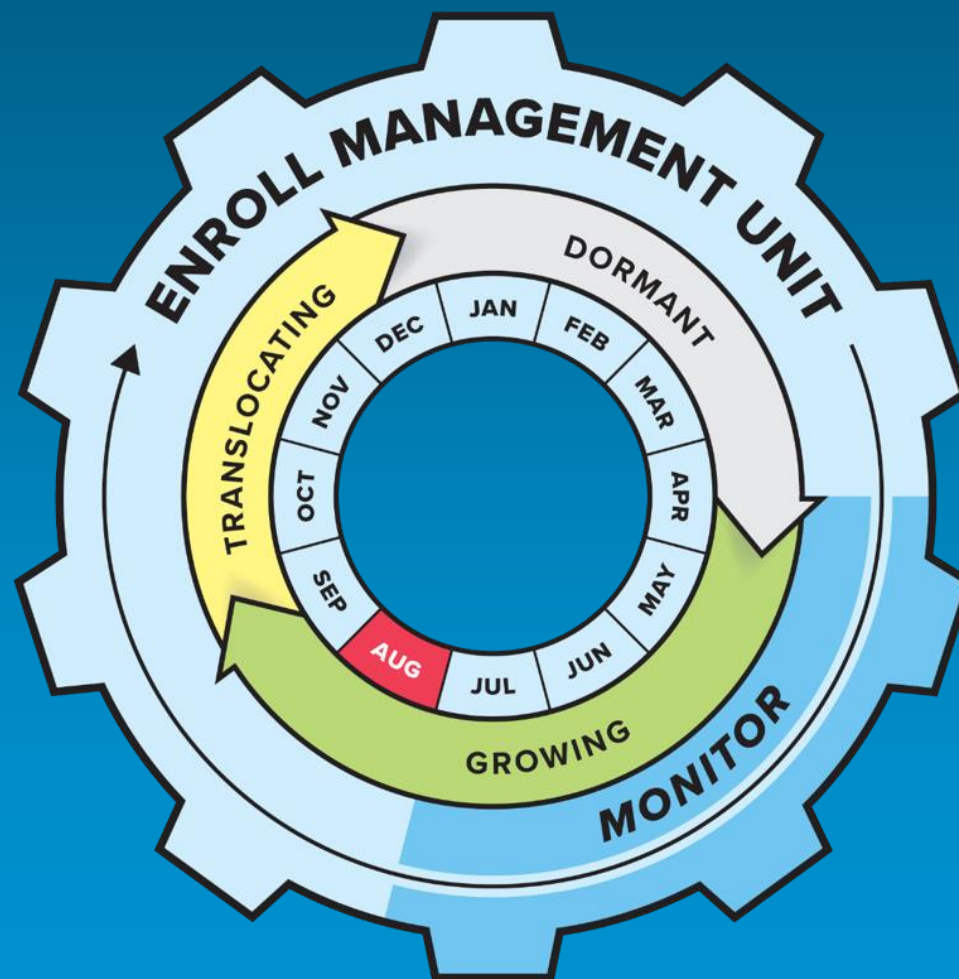
Predictive model

Monitoring protocol

Web hub + Central
database

Treatment guidance

Participant Resources



PAMF 2017: Trial and Feedback

Ohio



Michigan



Wisconsin



Ontario



Indiana



- 35 Year-1 Partners
- 93 Sites enrolled across 4 states and Ontario

Next Steps – wrap up year 1

- Collect treatment reports, repeat monitoring by August 1
- Download data, run the model, & upload treatment guidance

Appendix C: Monitoring field sheet

Enroll &
Monitor
July 2017

Appendix D: Treatment report

Translocating
Treatment
Reports
Dec. 2017

Appendix D: Treatment report

Dormant
Treatment
Report
Mar. 2018

Appendix D: Treatment report

Growing
Treatment
Report
Jul. 2018

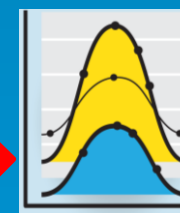
Appendix C: Monitoring field sheet

Repeat
Monitoring
By
Aug. 1 2018



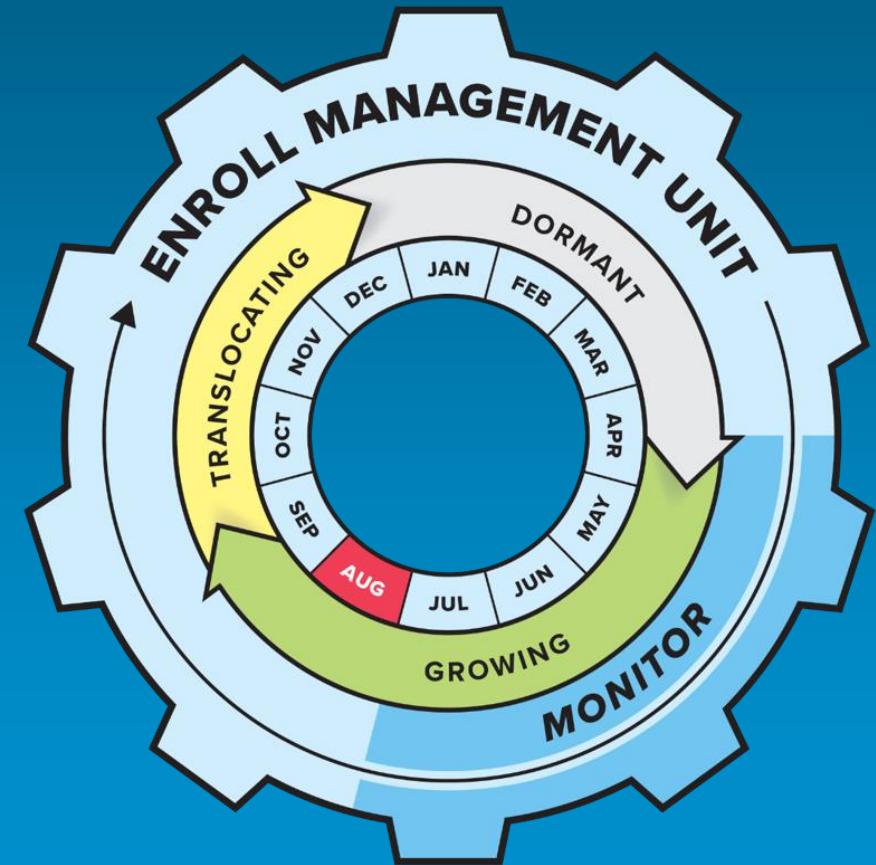
Treatment
Guidance

Aug. 15 2018



Accepting Additional Partners in 2018

- Interested?
 - Join the PAMF Google Group
 - Training sessions are tentatively planned for June
 - Tell your funders about PAMF
 - Prepare to manage *Phragmites*
 - Obtain necessary permissions and permits



Basin- wide opportunities for OPWG members

- Great Lakes *Phragmites* Collaborative
 - Join the GLPC Google Group
 - Deliver a webinar
 - Be a ‘Phrag. Spotter’ / submit a ‘Fake Friday’ idea
 - Submit photos, videos, news articles, research articles, etc.
- *Phragmites* Adaptive Management Framework
 - Join the PAMF Google Group
 - Request, or plan to attend, a training session (likely in June)

Thank you to the following OPWG members

- Central Lake Ontario Conservation Authority
- Georgian Bay Forever
- Invasive *Phragmites* Control Centre
- Ipperwash *Phrag.* Fighters
- Lambton Shores *Phragmites* Community Group
- Nature Conservancy Canada
- Severn Sound Environmental Association
- Upper Thames Conservation Authority



Questions / Comments

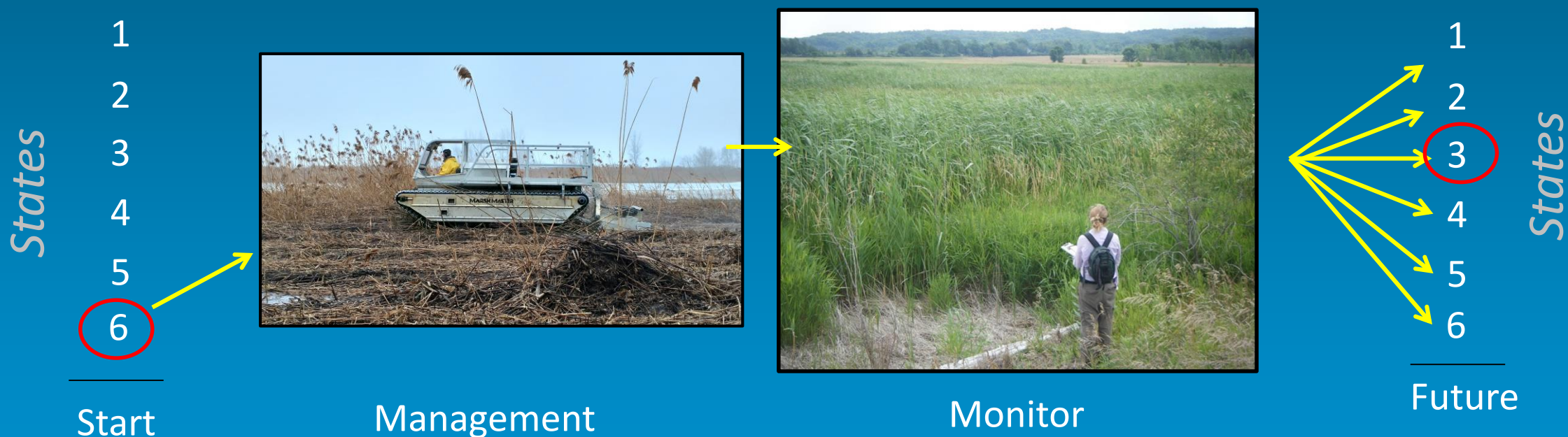
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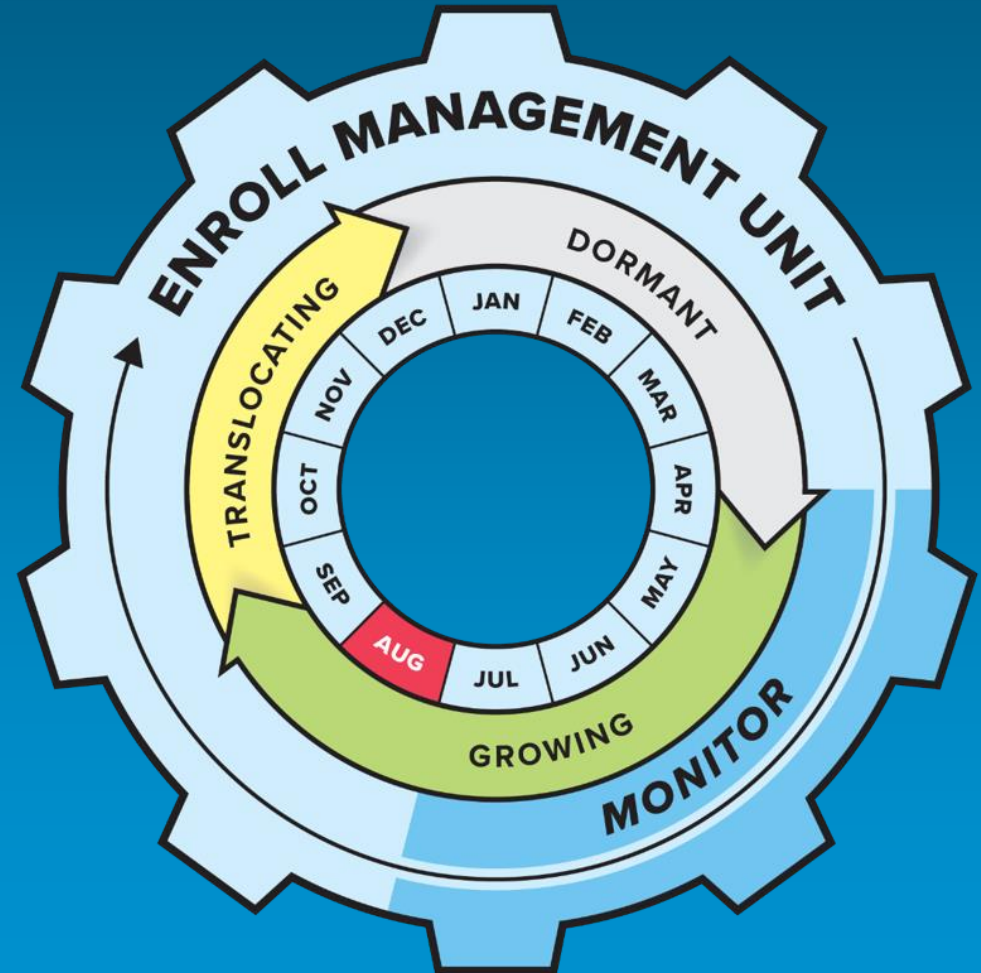
Additional Slides as Needed

State-transition model



Participant Resources

- Participant guide & annual cycle
- Participant field kit
- Training events
- In-field support services
- Resources to come:
 - How to videos
 - Various templates to follow



Appendix C. Monitoring field sheet

Name: _____ Personnel Number: _____ Management Unit: _____

Quadrant (Units start could like)	1	2	3	4	5
Unit name (don't forget to include all relevant information) Status variable (translocating, growing, dormant) Phragmites cover (%) Other:					
Translocating (T) / Growing (G) / Dormant (D) / Other (O)					
Phragmites cover (%)					
Other:					

%-10% _____ %-10% _____ %-10% _____

Phase (Translocating, growing, or dormant)? _____

Very appropriate? (Y/N) _____

Name: _____

Appendix D. Treatment report

Read over this report before treating Phragmites in order to ensure that all points are addressed. You will enter this information into the web hub either at the end of each treatment phase (translocating, growing, and dormant) or at the end of the PHAM cycle by the August 1st deadline.

Management unit: _____ Date of treatment: _____

Phase (circle one) _____

1. Did you treat your MU as recommended by the model? Y/N/O

If "NO," could you explain why you chose not to follow the treatment guidelines provided?

2. If you don't treat your MU as recommended by the model:
Grasshopper: _____ Insecticide: _____
Pre-food cleanup: _____ Removal: _____
Other: _____

If other, please explain: _____

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Management unit: _____ Date of treatment: _____

Phase (circle one) _____ Translocating _____ Growing _____

1. Did you treat your MU as recommended by the model? Y/N/O

If "NO," could you explain why you chose not to follow the treatment guidelines provided?

2. If you don't treat your MU as recommended by the model:
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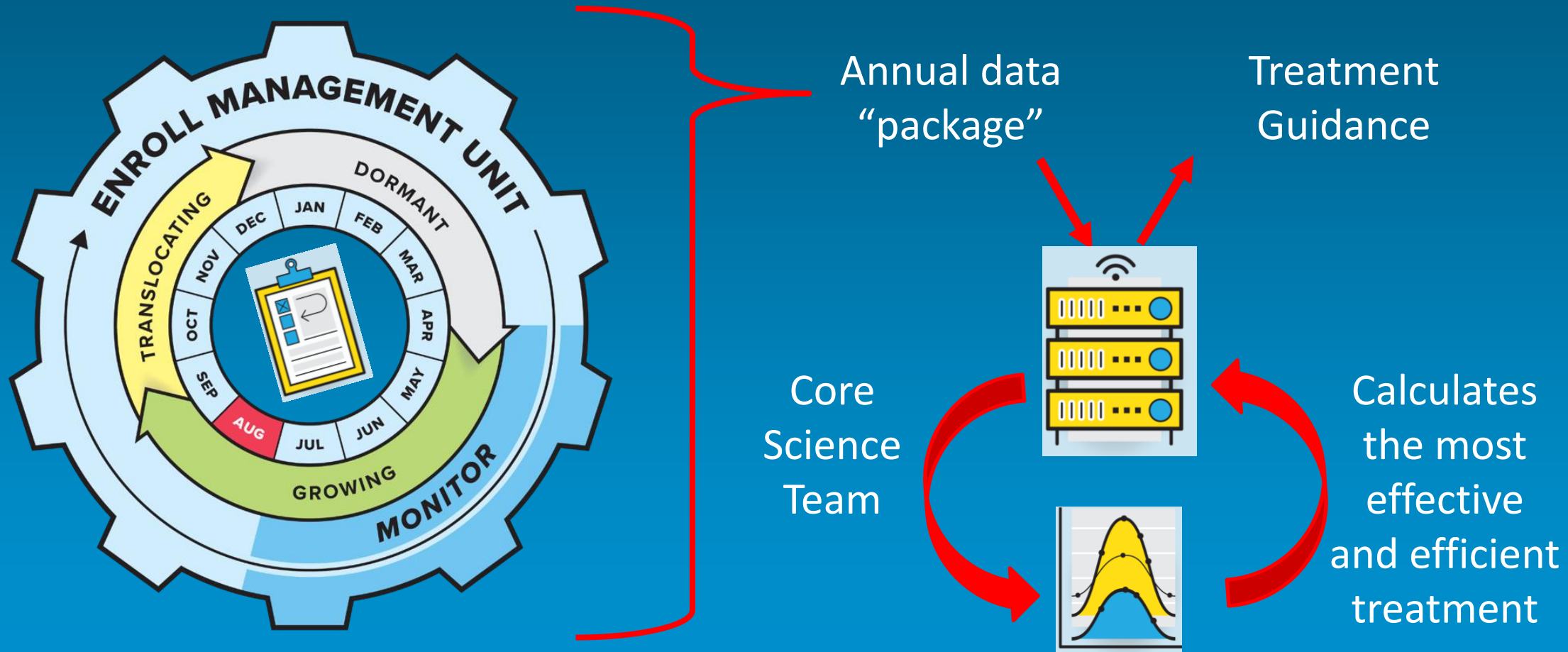
%-10% _____ %-10% _____ %-10% _____

Phase (Translocating, growing, or dormant)? _____

Very appropriate? (Y/N) _____

Name: _____

Collective Learning



2017 Participants

- Bay Lake Regional Planning Commission
- **Central Lake Ontario Conservation Authority**
- Chesterfield Township, MI
- Chickaming Open Lands
- Coffrin Center for Biodiversity
- Cuyahoga Board of Health
- Huron Pines
- Indiana Dunes National Lakeshore
- **Invasive Phragmites Control Centre**
- **Ipperwash Phrag. Fighters**
- ITC Holdings Corp.
- Michigan DOT, Bay Region
- Michigan DOT, Metro Region
- Michigan DOT, University Region
- **Nature Conservancy Canada**
- Oakland University
- Ohio DNR Natural Areas and Preserves
- Ohio DNR, Parks and Recreation
- Ozaukee Washington Land Trust
- Saginaw Conservation District
- **Severn Sound Environmental Association**
- Stantec
- The Nature Conservancy, OH
- The Nature Conservancy, WI
- Three Shores CISMA
- **Township of Archipelago**
- Upper Peninsula Resource Conservation and Development Council
- **Upper Thames River Conservation Authority**
- US Fish and Wildlife Service, Detroit International Wildlife Refuge
- US Fish and Wildlife Service, Horicon National Wildlife Area
- US Fish and Wildlife Service, Shiawassee National Wildlife Area