

Presentation Outline

- Aquatic Plant Management Planning
- MKLPA's APM Plan
- Ongoing EWM Control Project
- Conclusions & Discussion



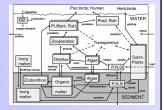
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Complexity of Lake Ecosystems

- Aquatic ecology is a quest to understand as many of the variables as possible and their magnitude of influence
- Lake management is figuring out how to support ecosystem function in the face of human presence
 - Lakes are not swimming pools
 - Learn how to make your system the best version of itself
 - While non-native, EWM is established in this system and likely always will be



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What is an APM Plan?

- An Aquatic Plant Management Plan needs to be updated at 5-year increments
 - Particularly for grants/permits related to aquatic plant management (AIS control grants, NR107, NR109)
 Whole-lake point-intercept survey needs to be completed within last 5 years
 - Management action in grant or permit needs to be supported by Plan
- In November 2023, the MKLPA finalized the updated Aquatic Plant Management Plan for managing the Minocqua-Kawaguesaga System
- Based upon the MKLPA's capacity (grants are a bonus, not relied upon)
- Addressing primarily riparian desires & concerns
- Attempts to be complimentary to other Plans

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- Acknowledges the Public Trust Doctrine
 Will be undeted assistance 2028, inclusion of Comm. M.
- Will be updated again ~2028, inclusion of Comp Mgmt Plan components

Minocqua and
Kawagueaga Lakes

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Apaulo Plant
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2023 Implementation Plan

<u>Goal 1</u>: Ensure the MKLPA has a Functioning and Up-to-Date Management Plan

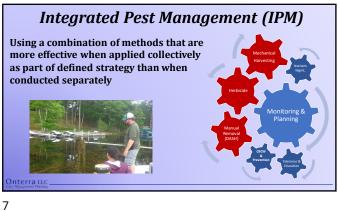
Goal 2: Monitor Aquatic Vegetation

Goal 3: Prevent Establishment of New Aquatic Invasive Species

Goal 4: Actively manage EWM to keep the population from negatively affecting water recreation and navigation, while maintaining a healthy and vibrant ecosystem

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August 3, 2024 1



NR107 (Herbicide) & NR109 (Mechanical)

Management of *nuisance-causing* aquatic plants in a manner consistent with sound ecosystem management and where the loss of ecological values is minimized

Interpretation in Northern WI (NOR APM Strategy)

- No herbicide use for native plants, even if nuisance causing
- Needs to be outlined in a management plan to conduct either
- Encourages the management technique with the least ecological impact, which is often inferred as manual-removal>mechanical>herbicide

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Implementation Plan - Goal 4 Goal 4: Actively manage EWM to keep the population from negatively affecting water recreation and navigation, while maintaining a healthy and vibrant ecosystem Action: Conduct Integrated Pest Management Program towards EWM <u>Hand-Harvesting/DASH</u> – primary and preferred method for scale-appropriate occurrences Herbicide Treatment – primary method for larger and denser occurrences. Understand regulatory concerns, encouraged to find ways to utilize this tool an as environmentally safe way as possible Trigger: dominant, highly dominant, or surface matting, high use areas and high riparian frontage prioritized Mechanical Harvesting – reservations about this method, but may be only option in face of regulatory

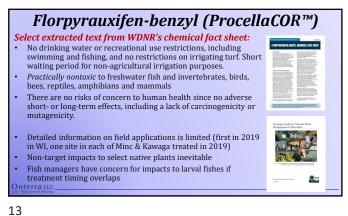
2023 EWM Mgmt Plan - Herbicide "uncertainty about interactions between the herbicide and walleye larvae, and the potential for young of the year walleye to be predated after reduction or removal of their plant refuges" -Ty Krajewski, WDNR Onterra LLC

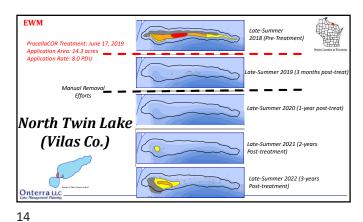
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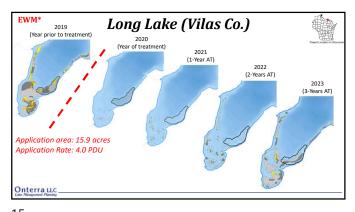


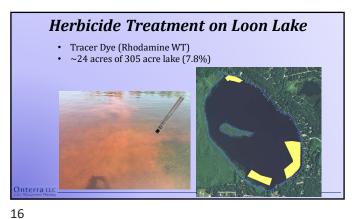
2024 EWM Mgmt Plan - Herbicide

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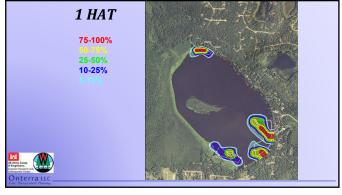


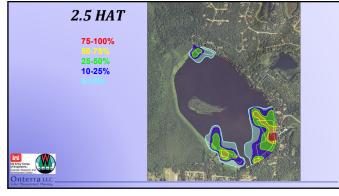




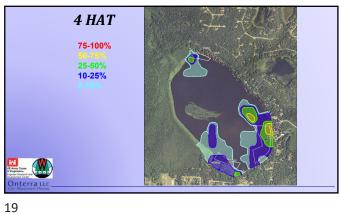


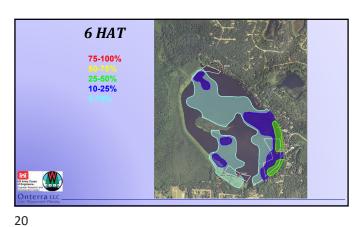
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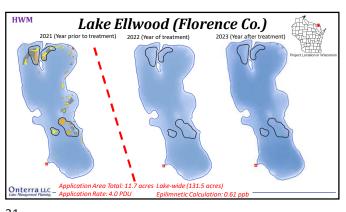


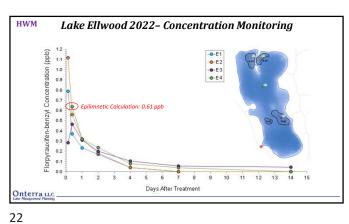


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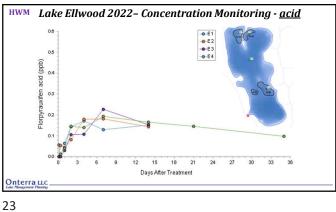


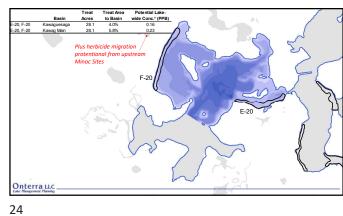


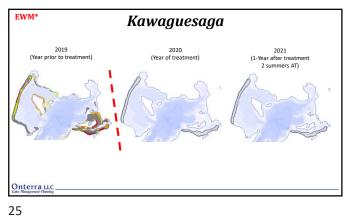


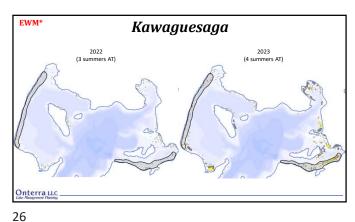


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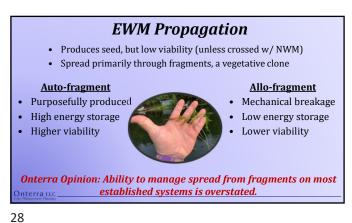












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Next Steps

- Assess the 2024 management activities herbicide treatment, DASH, & mechanical harvest
- Use the 2024 Late-Season EWM Mapping Survey to create initial strategy for 2025
- Identify areas that meet herbicide treatment triggers within APM Plan
- Meet with WDNR to determine sites of likely approval
- Backfill other areas with DASH or mechanical harvesting
- Understand funding and limitation
 - WDNR grant program increasingly designed to disfavor repeat grant recipients MKLPA has received \$422K in WDNR grants since starting with Onterra in 2019
- WDNR has more say in management & monitoring approaches when partially funded by a grant
- Grant pre-apps due Sept 15 (final Nov 15)

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