

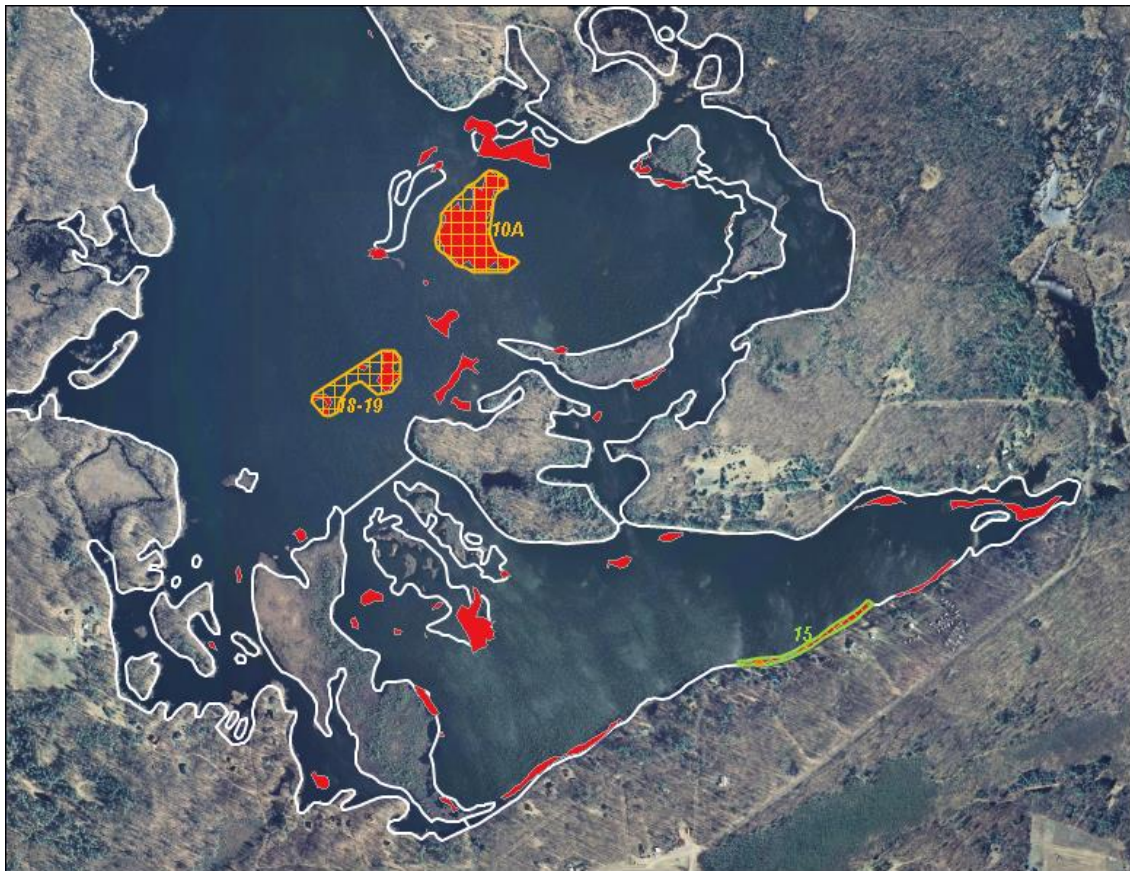
2022 Callahan and Mud Lake EWM Chemical Treatment Proposal – DNR Modified Version

April 27, 2022

2022 Callahan Lake Preliminary Spring EWM Treatment Proposal (4/27/2022)							
New Name	Acres	Mean Depth (feet)	Acre-feet	Target 2,4-D (liquid) (ppm a.e.)	Application rate (gal/acre-feet)	Liquid (gal)	Treatment Notes
Bed15C-22	1.27	6.00	7.62	4.00	21.64	2.84	*not treated in 2020 or 2021
Total	1.27		7.62		21.64		

2022 Mud Lakes Preliminary Spring EWM Treatment Proposal (4/27/2022)							
New Name	Acres	Mean Depth (feet)	Acre-feet	Target 2,4-D (liquid) (ppm a.e.)	Application rate (gal/acre-feet)	Liquid (gal)	Treatment Notes
Bed10AM-22	6.23	8.0	49.84	3.00	106.16	2.13	*not treated in 2020 or 2021
Bed18A1819M-22	3.29	4.0	13.16	2.50	23.42	1.78	*not treated in 2020 or 2021
Total	9.52		63.00		129.58		

Total Product (gallons)					151.22	\$50.00	\$7,561.24
Total Acreage					10.79		



Red Polygons – Callahan and Mud Lakes Fall 2021 EWM Bedmapping Results (19.17 acres)

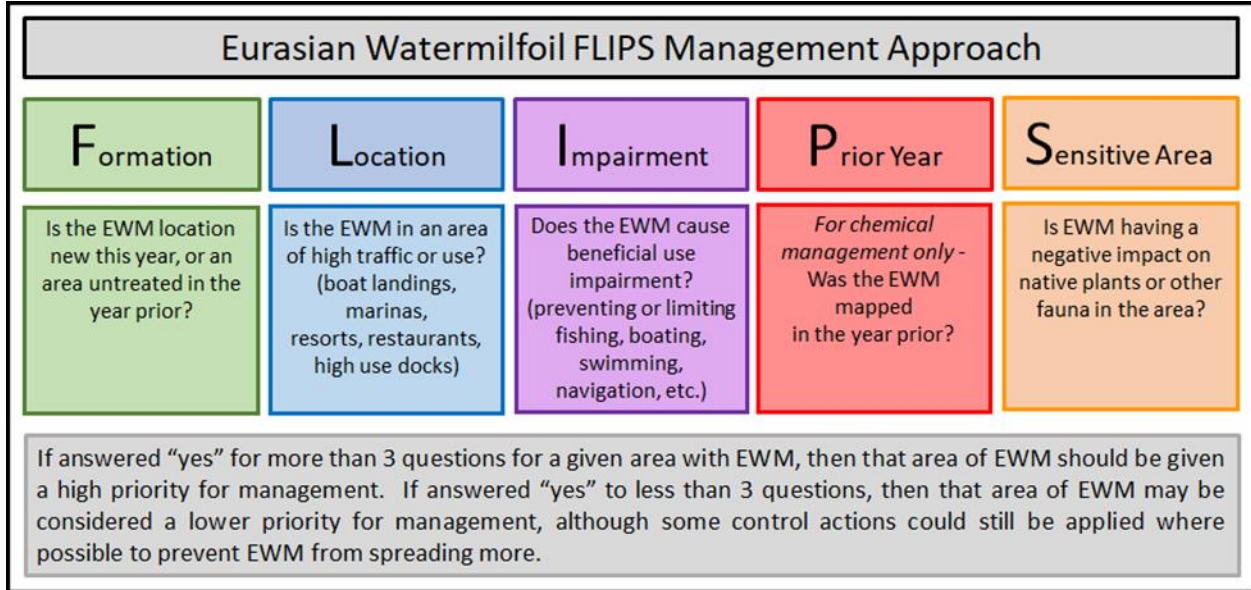
Orange Hash Polygons – 2022 Mud Lake Final EWM Chemical Treatment Areas (9.53 acres)

Light Green Hash Polygon – 2022 Callahan Lake Final EWM Chemical Treatment Areas (1.27 acres)

Targeted Species Management – 2022-26 Callahan and Mud Lakes APM Plan

*Completed in draft form, but not yet approved by the WDNR

The Callahan and Mud Lakes APM Plan provides criteria for when to consider management of EWM and what management alternative should be used. On pages 41-43, the APM Plan creates a tool to help determine when and if EWM (the target species) should be considered for management. Called FLIPS, it asks each potential treatment area mapped in the previous fall, to be put to a series of questions to determine if management is necessary.



For the areas included in the 2022 Preliminary Chemical Treatment Proposal this is how these questions have been answered. In addition, management alternatives are also explored with the new APM Plan. Once the two management criteria charts have been utilized, a treatment proposal was drawn up. See the first page.

2022 FLIPS and Management Alternatives - based on 2021 Fall EWM Bedmapping				
New Name	Acres	Mean Depth(feet)	FLIPS Questions	Management Flow Chart
Callahan Lake				
Bed 12	1	7	yyyyn	2cvY - herbicide procellaCOR
Bed 15	0.72	6	yyyyn	2cvY - herbicide procellaCOR
Bed 16	0.94	6	yyyyn	2cvY - herbicide procellaCOR
	2.66			
Mud Lake				
Bed 10	4.87	8	yyyyy	3cviY - herbicide 2,4D or ProcellaCOR
Beds 18-18A-19	1.03	4	yyyyn	3cvX - herbicide ProcellaCOR
Total	5.9			

*For the purposes of the 2022 Chemical Treatment Proposal, 2,4D is recommended due to cost restraints