

3,400
Feet

Onterra LLC
Lake Management Planning
815 Prosper Road
De Pere, WI 54115
920.338.8860
www.onterra-eco.com

<Bol>Sources:<Bol>
Roads &Hydro: WDNR
PI Data: WDNR
Map Date: December 5, 2023 - EJH



Project Location in Wisconsin

Legend



Lake Delavan ~ 1,942 acres
GIS-Derived

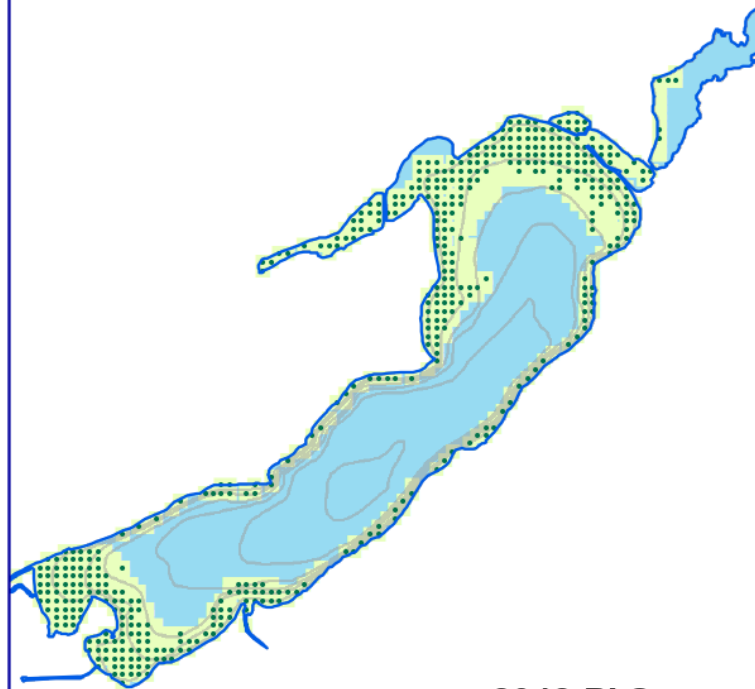


Point-Intercept Survey Location
68-meter spacing, 1,699 total points

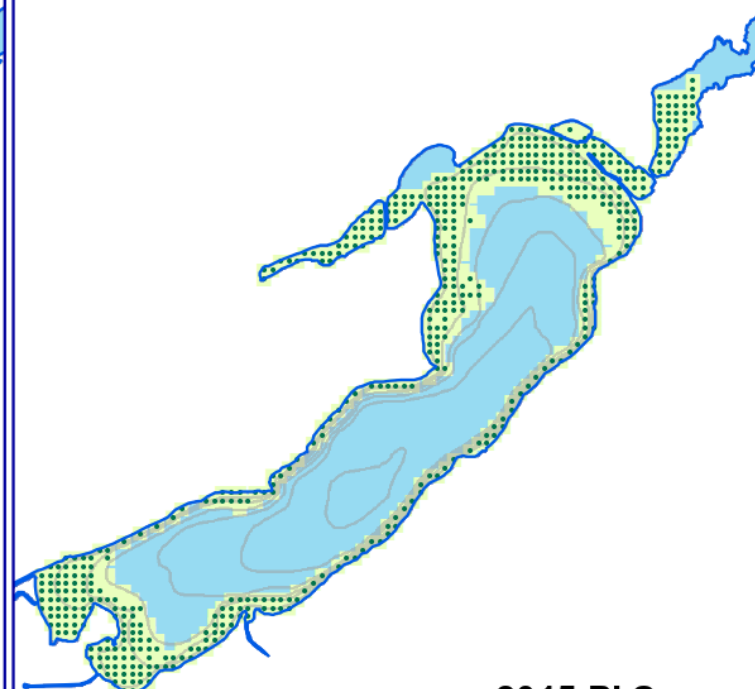
Map 1

Lake Delavan
Walworth County, Wisconsin

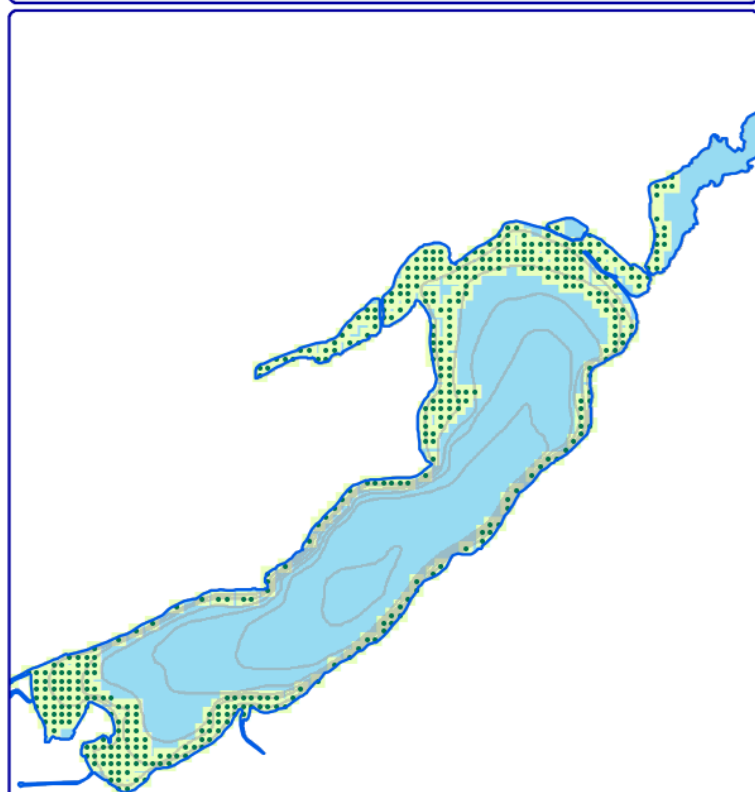
**Project Location
& Lake Boundaries**



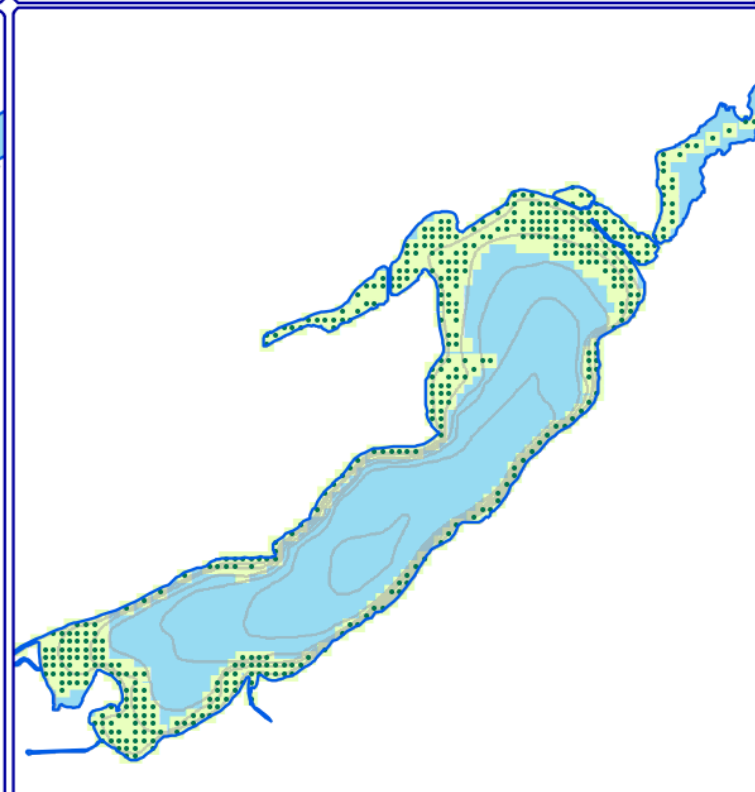
2012 PI Survey
Conducted by WDNR



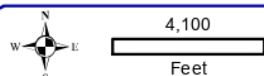
2015 PI Survey
Conducted by DLSD



2020 PI Survey
Conducted by SEWRPC



2024 PI Survey
Conducted by Onterra



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Sources:
Bathymetry: WDNR, digitized by Onterra
Aquatic Plant Surveys: WDNR,
SEWRPC, and Onterra
Map Date: December 27, 2024 - RMF



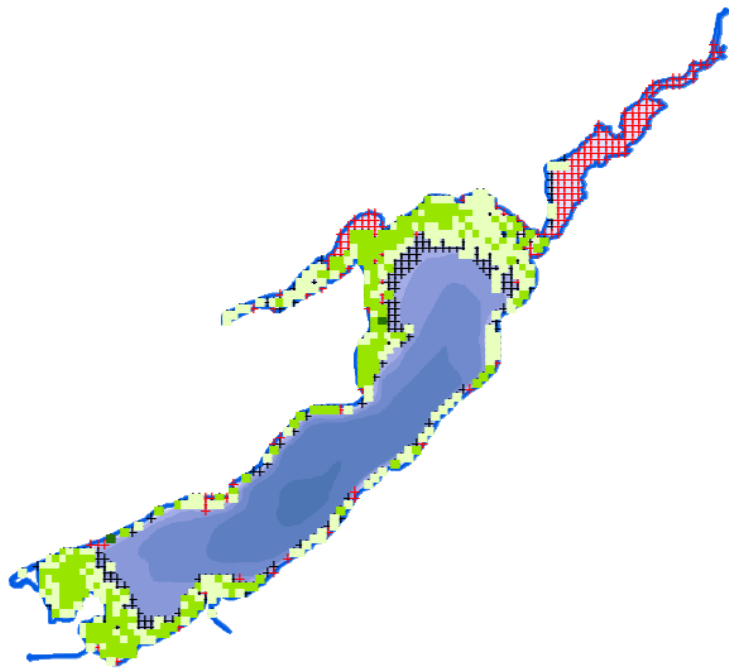
Project Location in Wisconsin

Legend

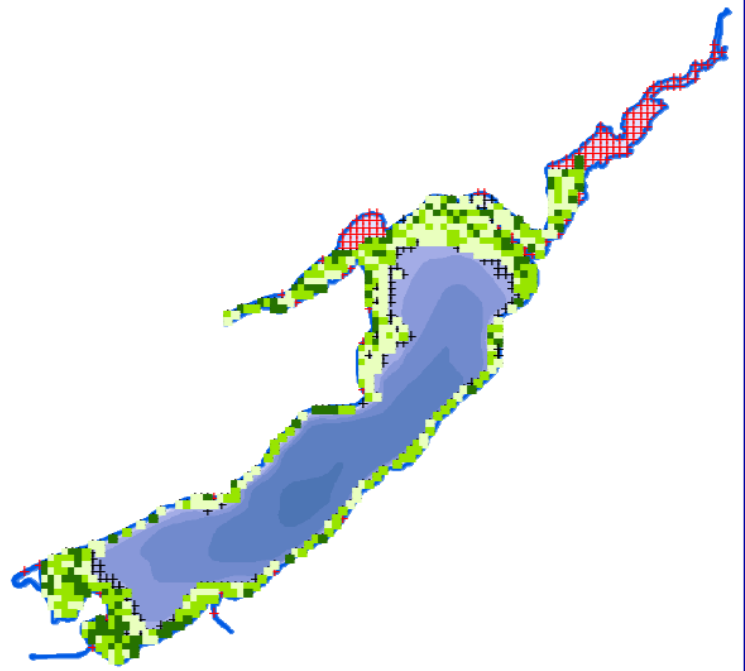
- Contains Plants
- Littoral Zone
(≤ Max Depth of Plants)

Map 2

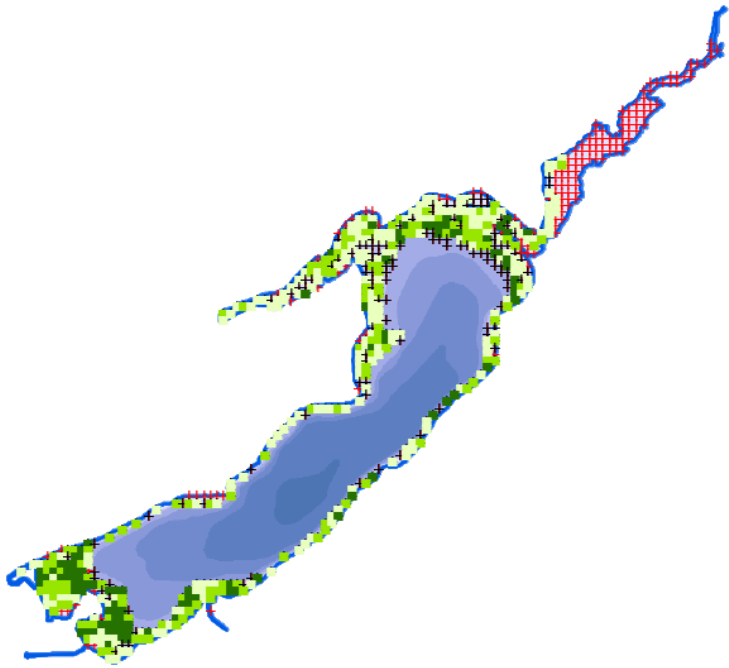
Delavan Lake
Walworth County, Wisconsin
**PI Survey: Littoral
Zone Distribution**



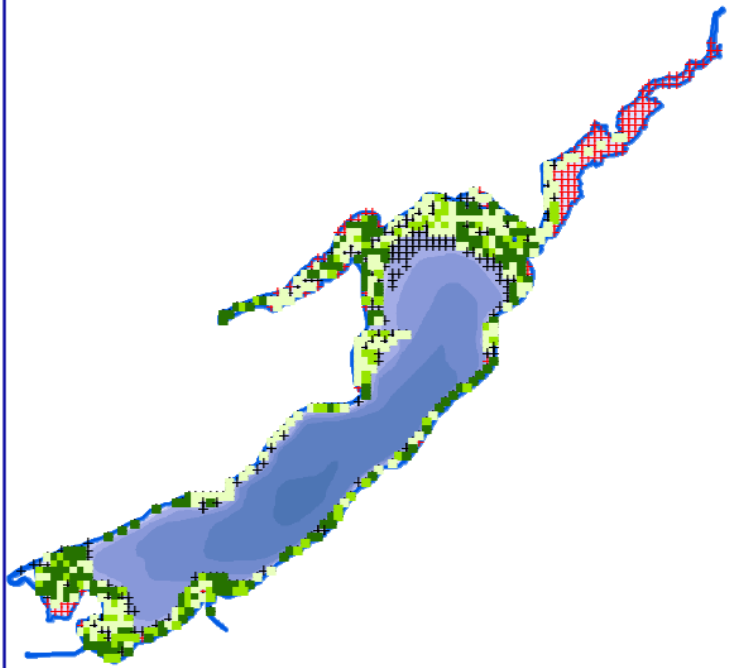
**2012 Plant Survey
Conducted by WDNR**



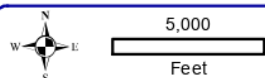
**2015 Plant Survey
Conducted by DLSD**



**2020 Plant Survey
Conducted by SEWRPC**



**2024 Plant Survey
Conducted by Onterra**



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Map Date: December 27, 2024 - RMF



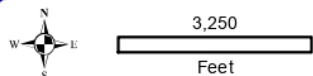
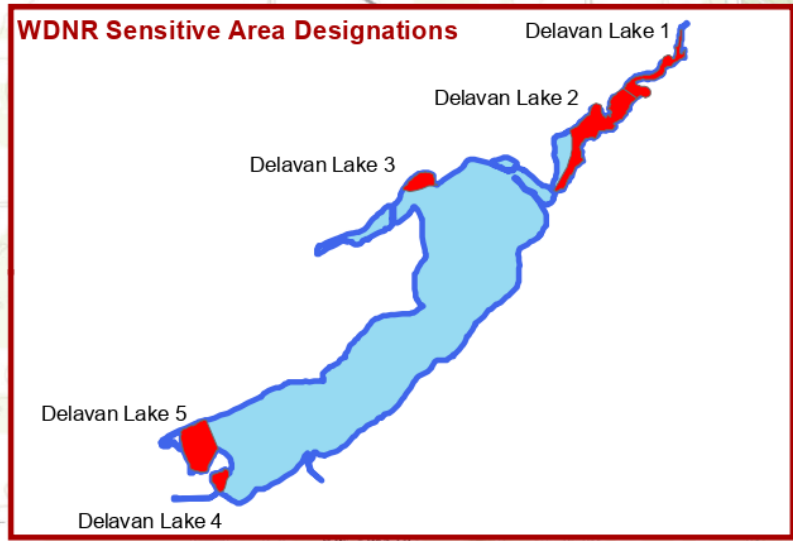
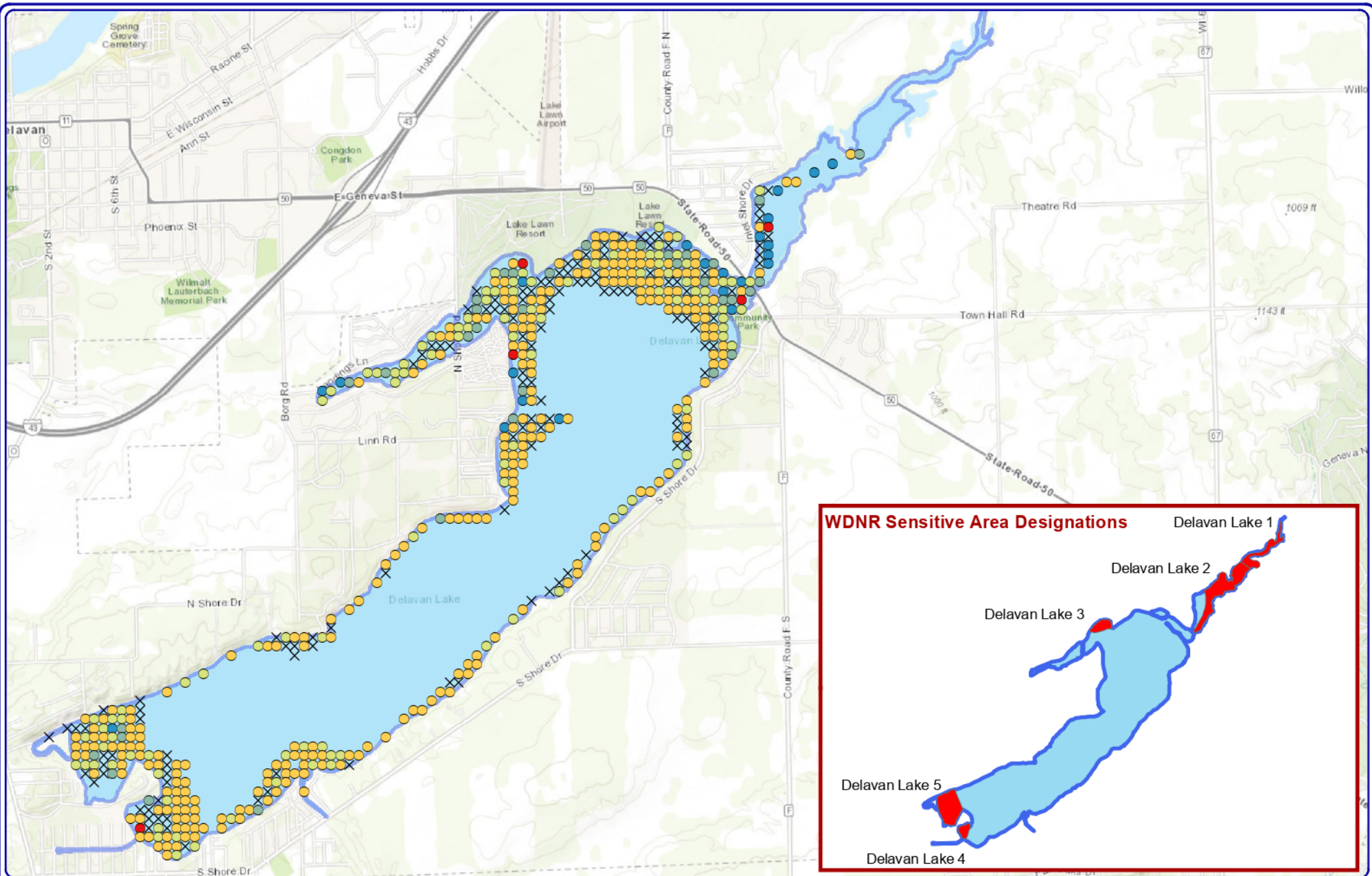
Project Location in Wisconsin

Legend

- Total Rake Fullness = 1 + No Vegetation
- Total Rake Fullness = 2 + Non-Navigable
- Total Rake Fullness = 3

Map 3

Delavan Lake
Walworth County, Wisconsin
**PI Survey: Aquatic
Plant Distribution**

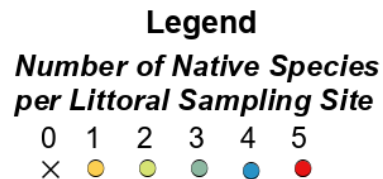


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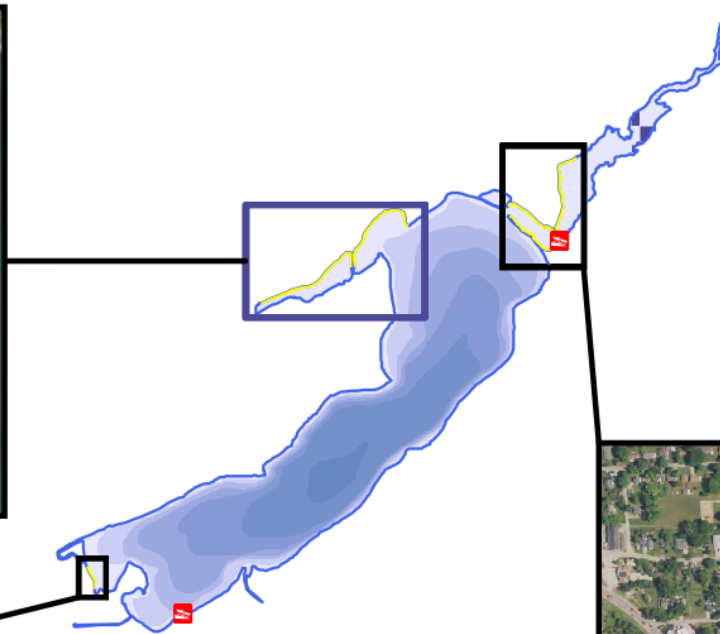
Sources:
 Hydro and Roads: WDNR
 Basemap: ESRI
 Aquatic Plant Survey: Onterra, 2024
 Map Date: December 5, 2024 ALC



Project Location in Wisconsin



Map 4
Delavan Lake
 Walworth County, Wisconsin
2024 PI Survey:
Native Species Richness



Pennyworth Treatment Strategy <i>Within 50 feet of Shoreline</i>	
Site	Acres
Developed West	0.93
Outlet Dam Bay	4.82
Outlet East of N Shore Rd	4.05
Inlet North of Hwy 50	3.50
Inlet BL Bay	5.14
Total	18.44



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Source:
Orthophoto: NAIP, 2022
Hydro and Bathymetry: WDNr, Digitized by Onterra
Treatment Areas: DLSD, Digitized by Onterra
Map Date: May 14, 2025 - EIH



Project Location in Wisconsin

Legend

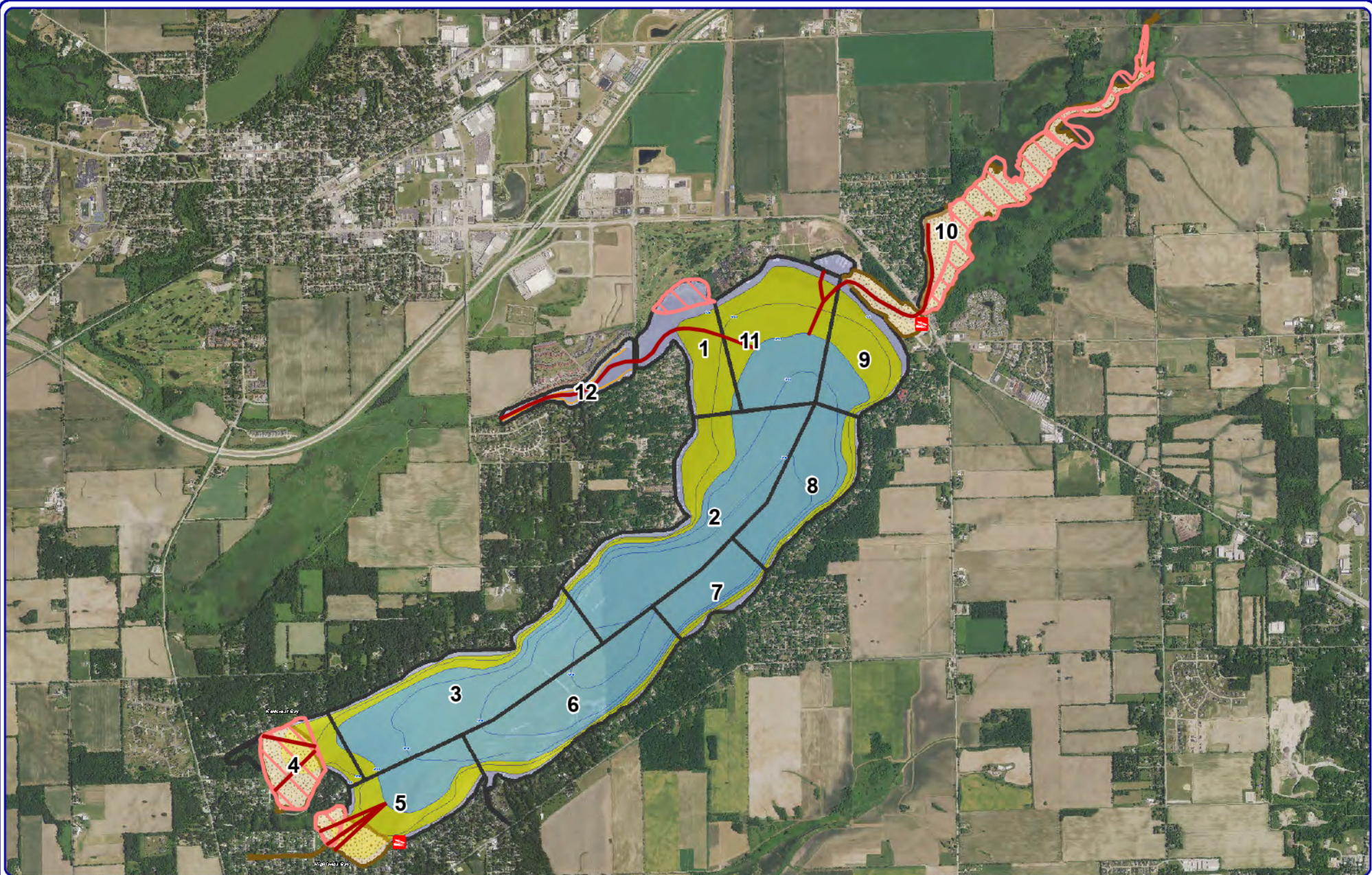


Pennyworth Treatment
Area (50-ft from shore)

Map 5

Lake Delavan
Walworth County, Wisconsin

**Pennyworth Herbicide
Treatment Potential**



3,300

Feet



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Source:

Roads and Hydro: WDNR

Orthophoto: NAIP, 2022

Map Date: March 26, 2024 - E/H Project Location in Wisconsin



Habitat (~250.8 acres): No aquatic plant management during fish spawning seasons



Littoral Zone (~435.7 acres): No mechanical harvesting, only manual removal



Boating/Recreation (~513.8 acres): Surface cut EWM as needed



Sensitive areas (~207.8 acres)

Legend



50 feet wide (~25.3 acres):
Common-Use Channel

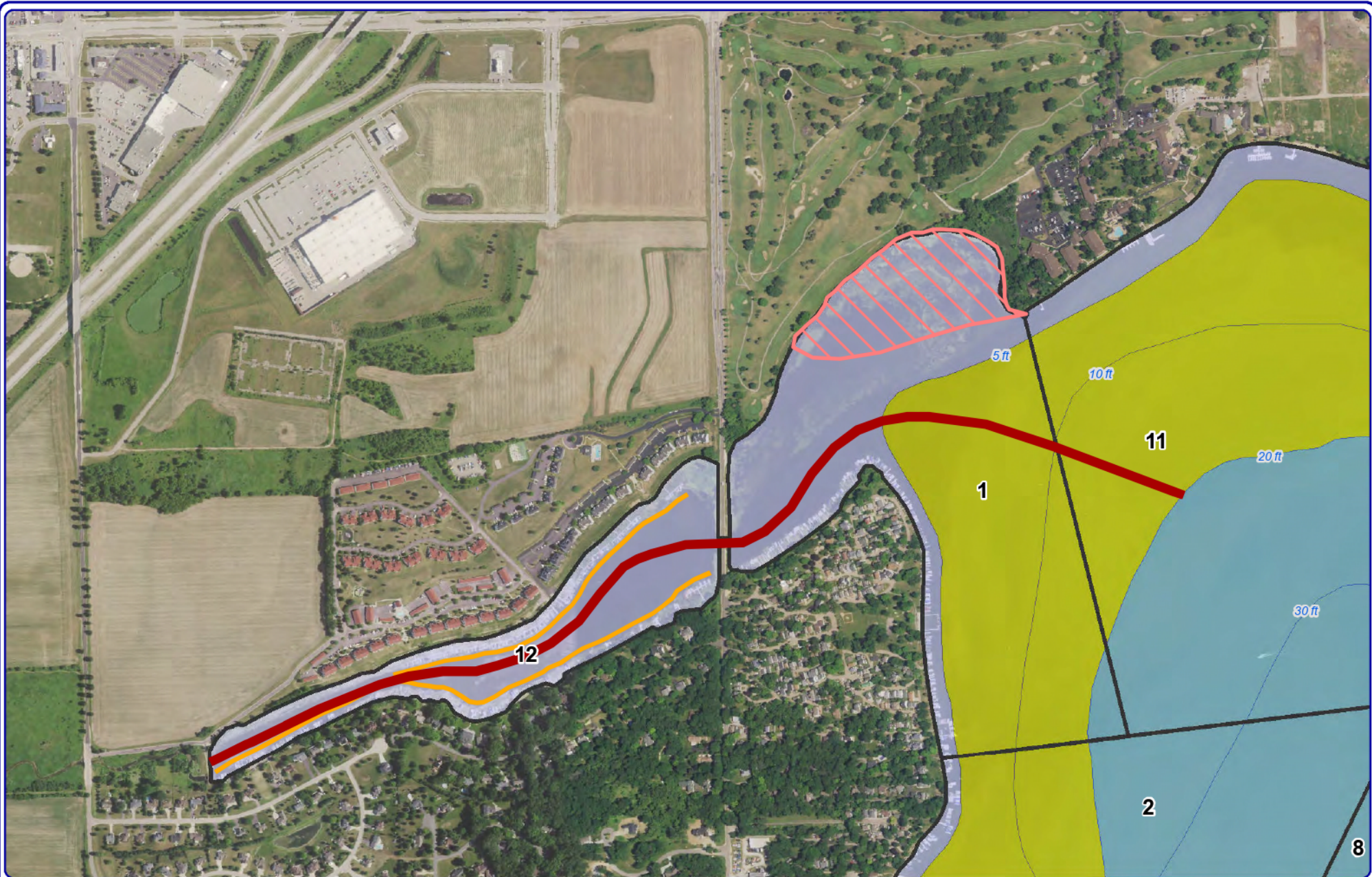


30 feet wide (~4.2 acres):
Only after June 15

Map 6 (Series 1 of 4)

Lake Delavan
Walworth County, Wisconsin

**Mechanical
Harvesting Plan**



880

Feet



Onterra LLC
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Source:

Roads and Hydro: WDNR
Orthophoto: NAIP, 2022

Map Date: March 26, 2024 - E/H Project Location in Wisconsin



Habitat (~250.8 acres): No aquatic plant management during fish spawning seasons



Littoral Zone (~435.7 acres): No mechanical harvesting, only manual removal



Boating/Recreation (~513.8 acres): Surface cut EWM as needed



Sensitive areas (~207.8 acres)

Legend



50 feet wide (~25.3 acres):
Common-Use Channel

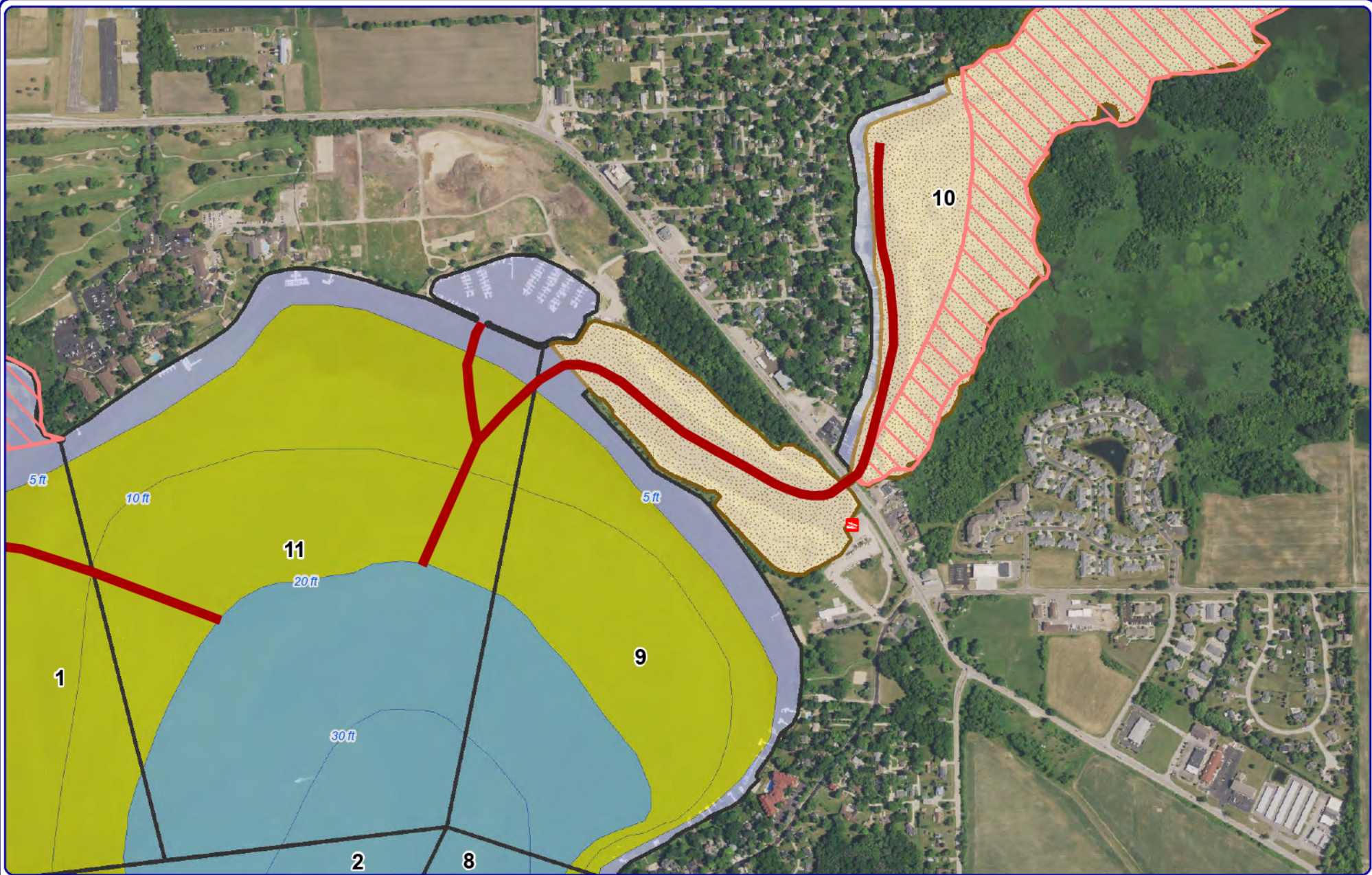


30 feet wide (~4.2 acres):
Only after June 15

Map 7 (Series 2 of 4)

Lake Delavan
Walworth County, Wisconsin

**Mechanical
Harvesting Plan**



880

Feet



Onterra LLC
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Source:

Roads and Hydro: WDNR
Orthophoto: NAIP, 2022

Map Date: March 26, 2024 - E/H

Project Location in Wisconsin

Legend



Habitat (~250.8 acres): No aquatic plant management during fish spawning seasons



Littoral Zone (~435.7 acres): No mechanical harvesting, only manual removal



Boating/Recreation (~513.8 acres): Surface cut EWM as needed



Sensitive areas (~207.8 acres)



50 feet wide (~25.3 acres):
Common-Use Channel

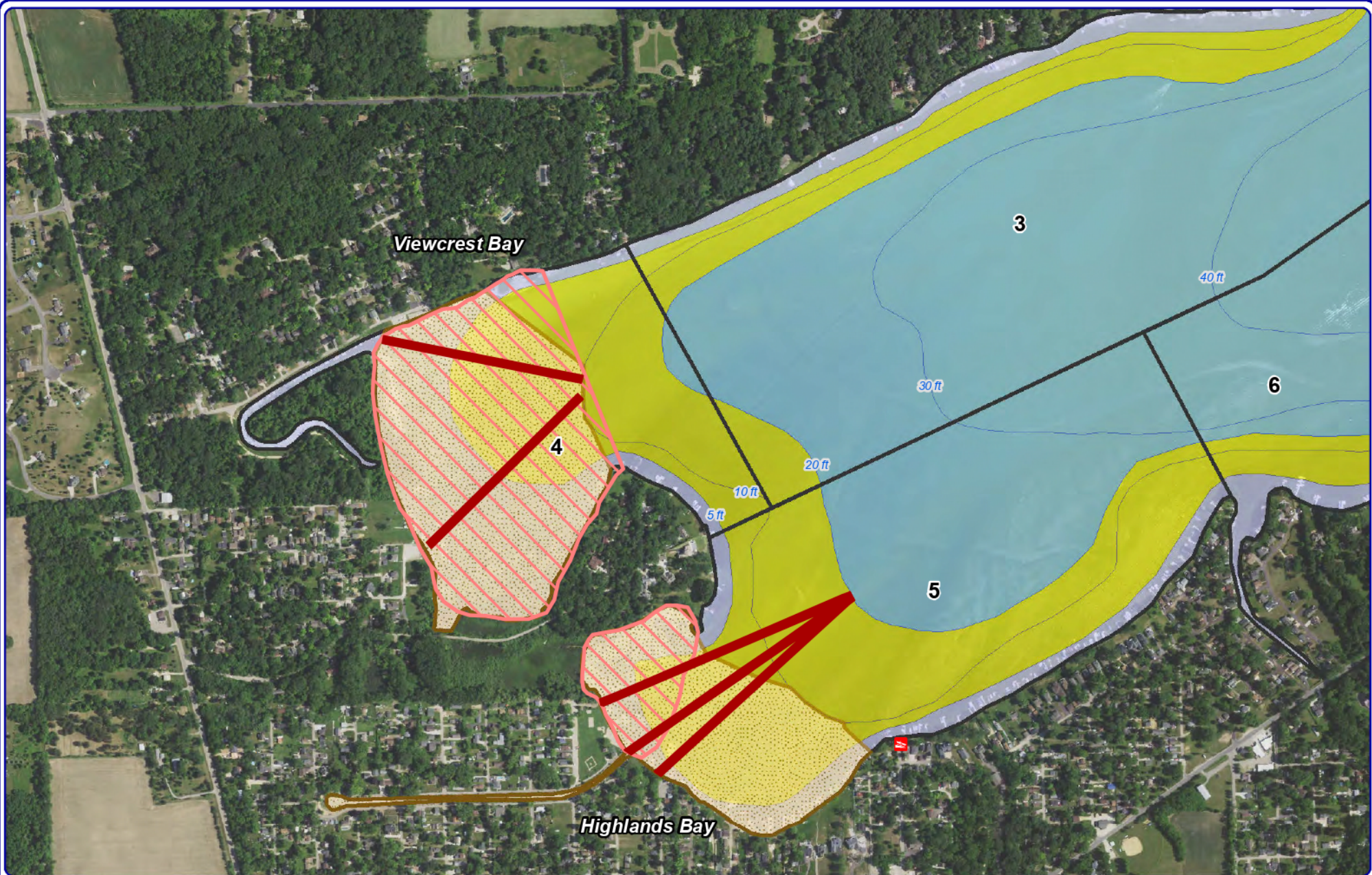


30 feet wide (~4.2 acres):
Only after June 15

Map 8 (Series 3 of 4)

Lake Delavan
Walworth County, Wisconsin

**Mechanical
Harvesting Plan**



880
Feet



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Source:
Roads and Hydro: WDNR
Orthophoto: NAIP, 2022

Map Date: March 26, 2024 - E/H Project Location in Wisconsin



Habitat (~250.8 acres): No aquatic plant management during fish spawning seasons



Littoral Zone (~435.7 acres): No mechanical harvesting, only manual removal



Boating/Recreation (~513.8 acres): Surface cut EWM as needed



Sensitive areas (~207.8 acres)

Legend



50 feet wide (~25.3 acres):
Common-Use Channel

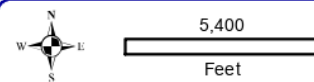
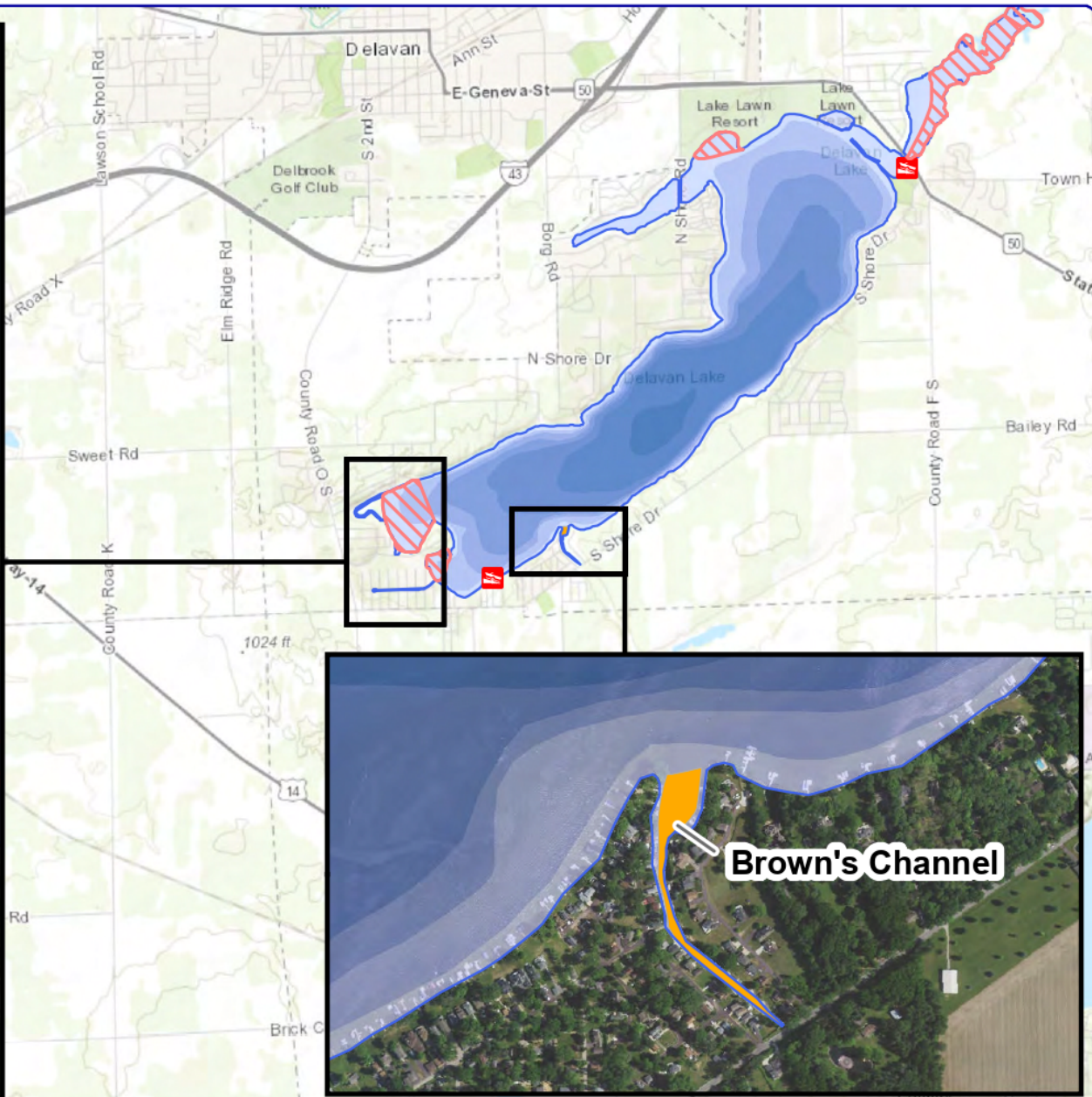
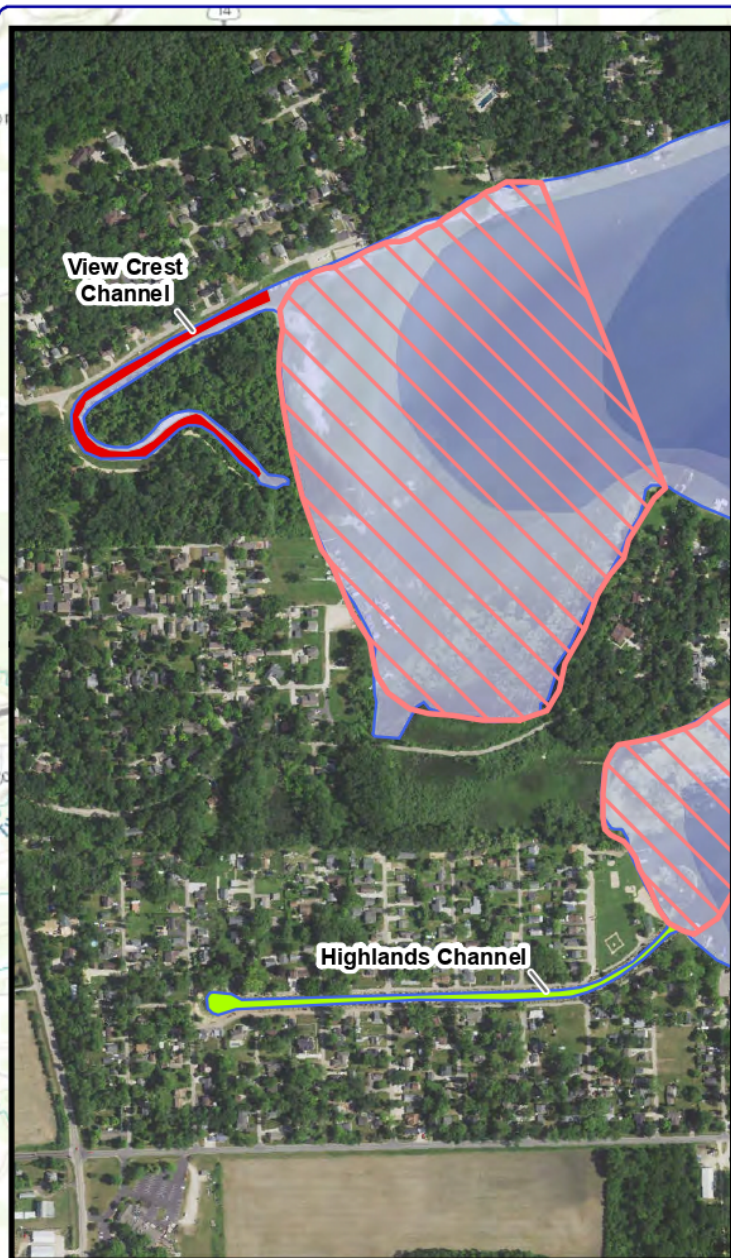


30 feet wide (~4.2 acres):
Only after June 15

Map 9 (Series 4 of 4)

Lake Delavan
Walworth County, Wisconsin





**Mechanical
Harvesting Plan**



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Source:
 Orthophoto: NAIP, 2022
 Hydro and Bathymetry: WDNR, Digitized by Onterra
 Treatment Areas: DLSD, Digitized by Onterra
 Map Date: May 9, 2025 - E/H



Herbicide Treatment Strategy		
Site		Acres
	Brown's Channel	1.95
	Highlands Channel	1.58
	View Crest Channel	1.94
	Total	5.47

 Sensitive Area Designations

Map 10
 Lake Delavan
 Walworth County, Wisconsin
**Nuisance Navigation
 Herbicide Treatment Plan**