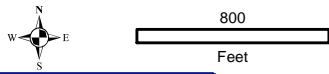
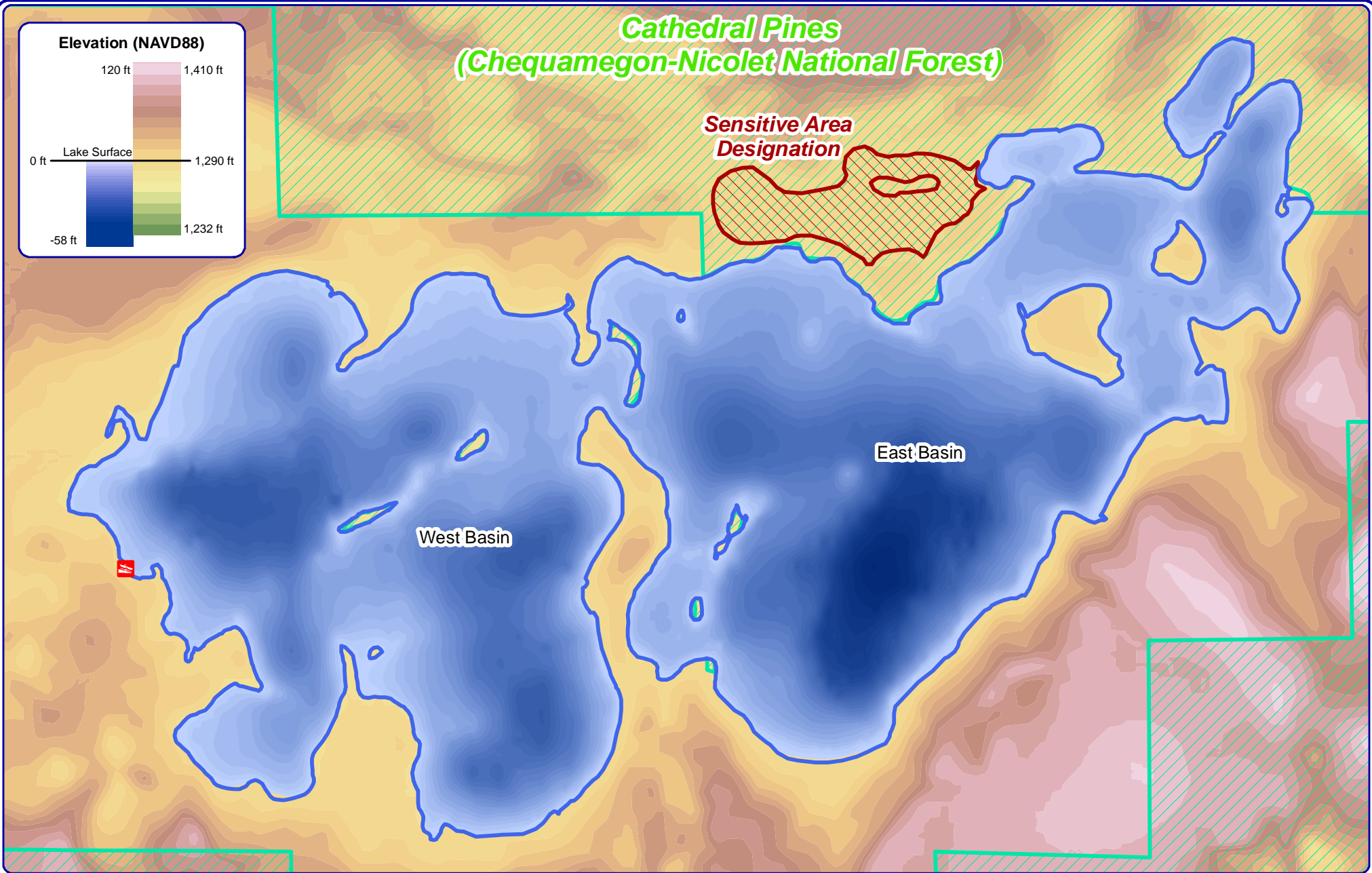


**Cathedral Pines
(Chequamegon-Nicolet National Forest)**

**Sensitive Area
Designation**

East Basin

West Basin



Onterra LLC
Lake Management Planning

815 Prosper Rd
De Pere, WI 54115
920.338.8860
www.onterra-eco.com

Sources:
Hydro: WDNR
Bathymetry: Onterra, 2016
Elevation: NED 10m DEM
Map Date: June 29, 2023 - EJH



Extent of large map shown in red.

Legend

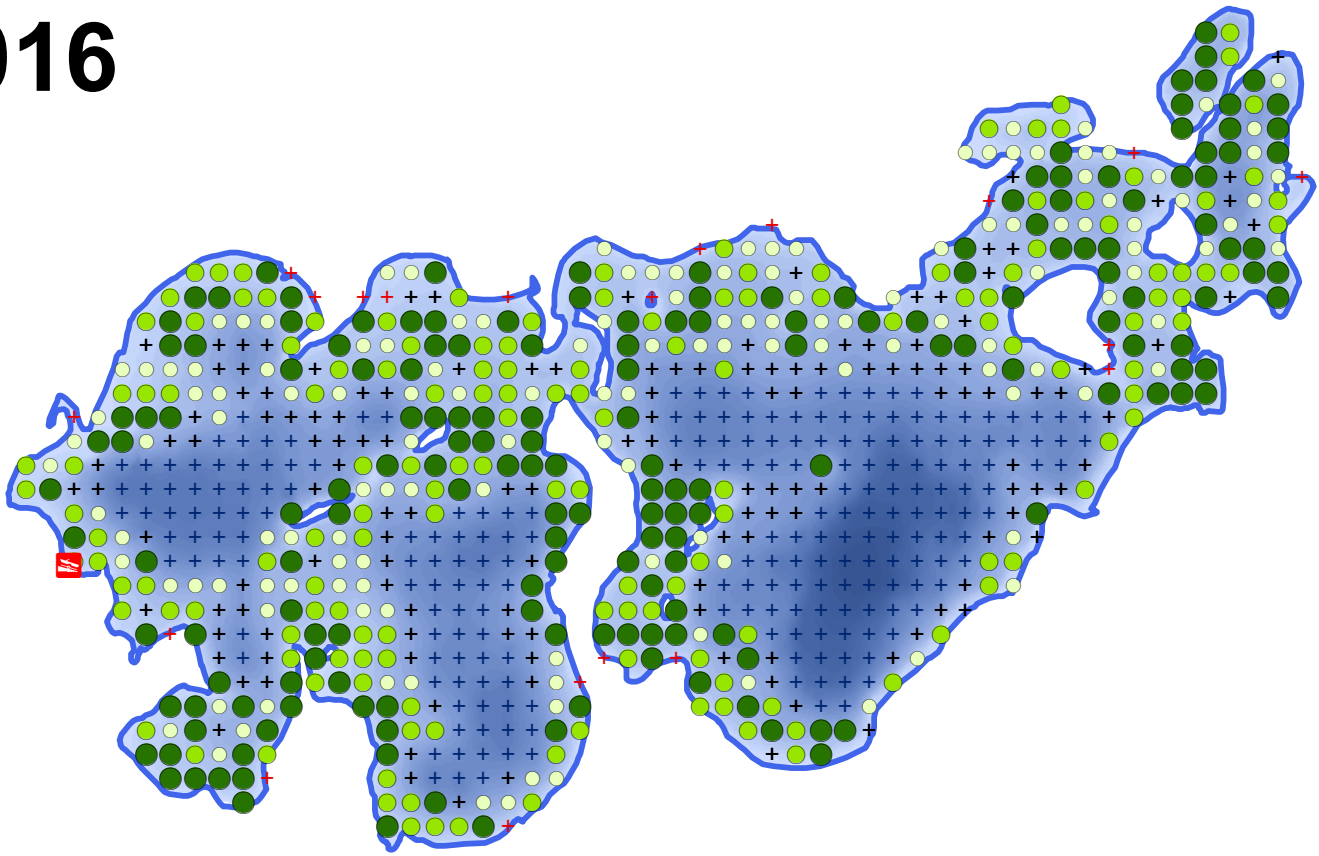
- Archibald Lake ~ 393 Acres
WDNR Definition
- National Forest Lands
(Cathedral Pines)
- Public Access

Map 1

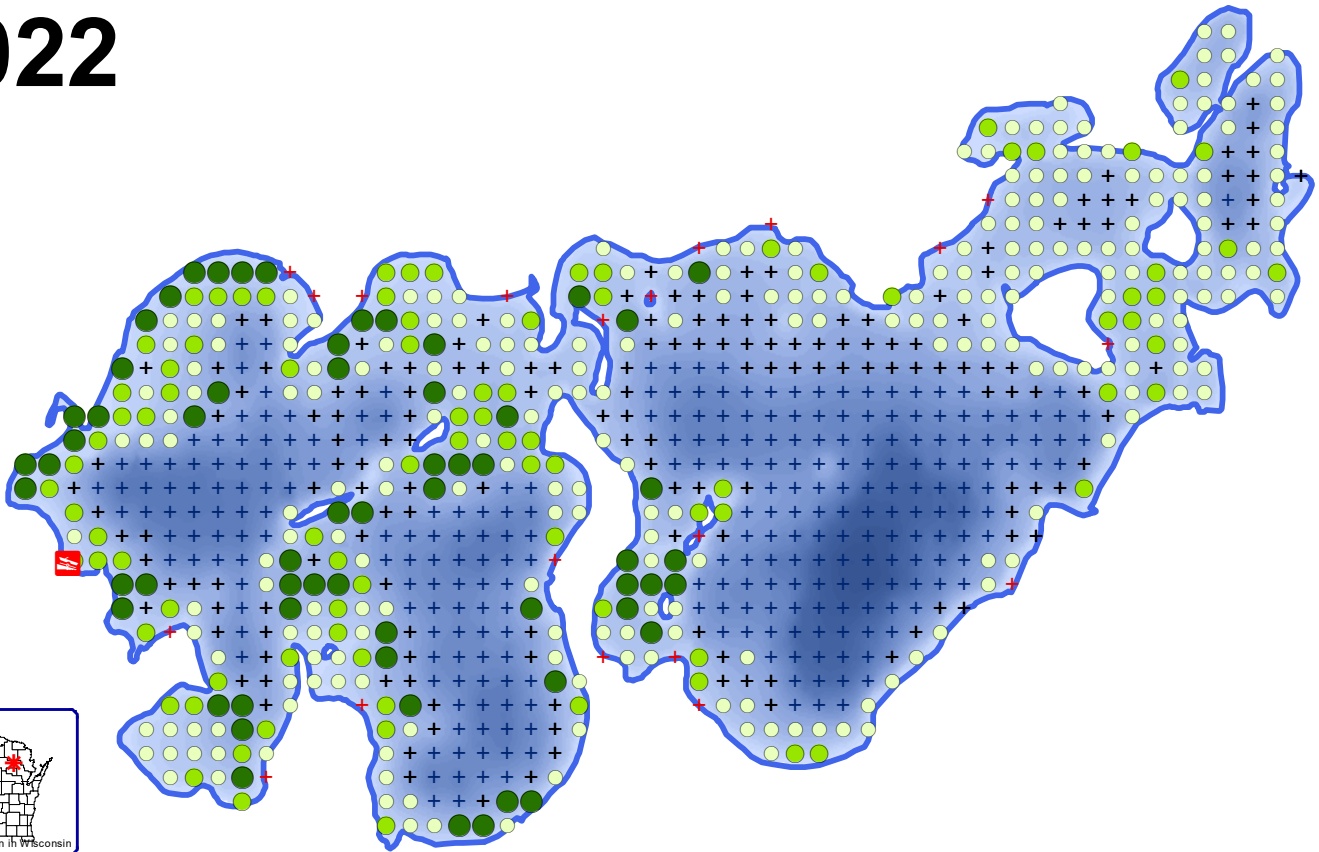
Archibald Lake
Oconto County, Wisconsin

**Project Location
and Boundaries**

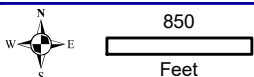
2016



2022



Project Location in Wisconsin



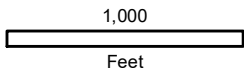
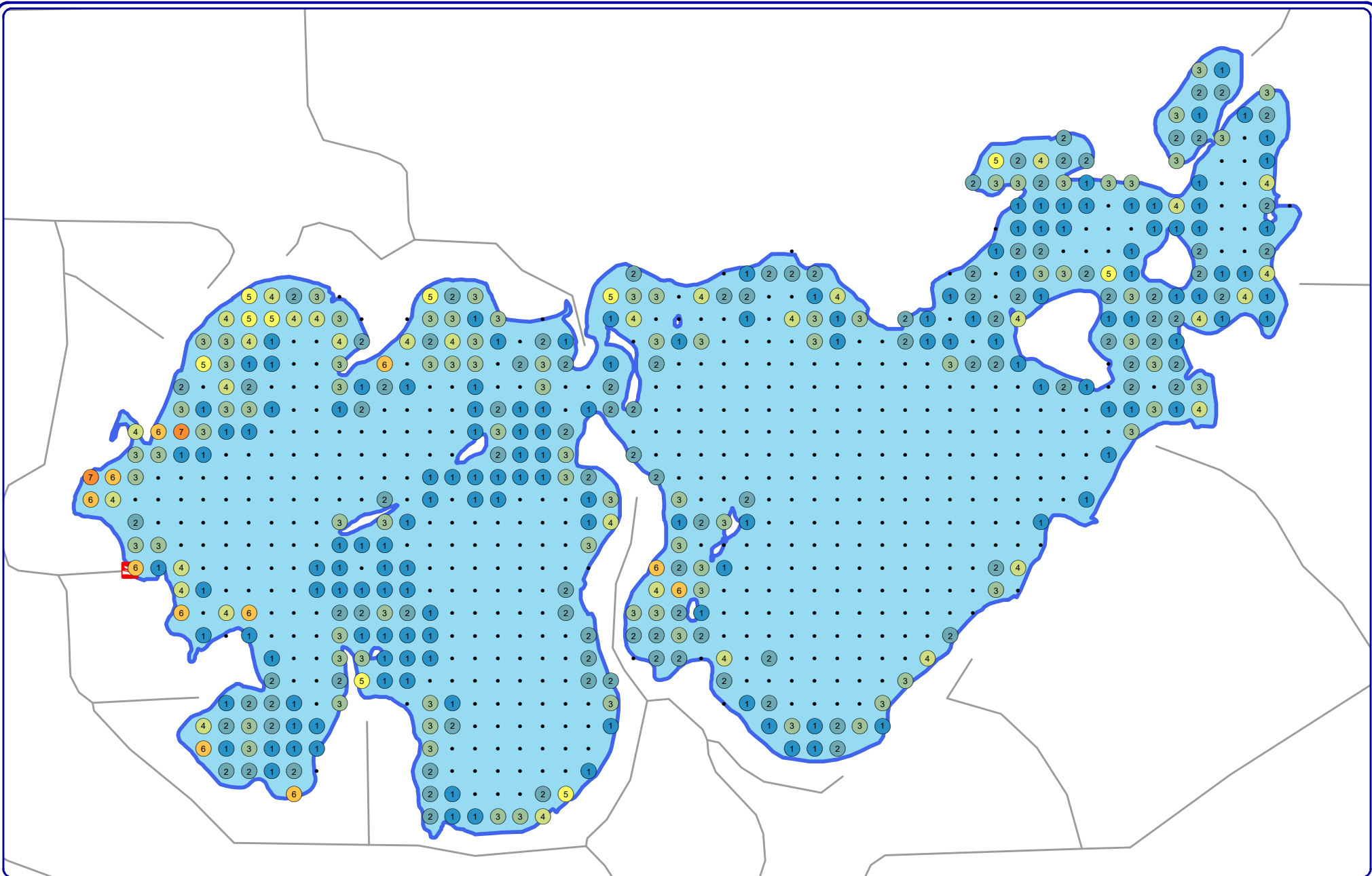
Onterra LLC
Lake Management Planning
815 Prosper Rd
De Pere, WI 54115
920.338.8860
www.onterra-eco.com

Sources:
Roads and Hydro: WDNR
Bathymetry: Onterra, 2016
Aquatic Plants: Onterra, 2016, 2022
Map Date: June 30, 2023 - EJJ

Legend

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

Map 2
Archibald Lake
Oconto County, Wisconsin
**2016 & 2022 PI
Rake Fullness Ratings**



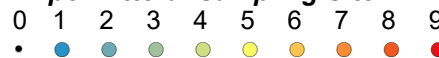
Project Location in Wisconsin

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

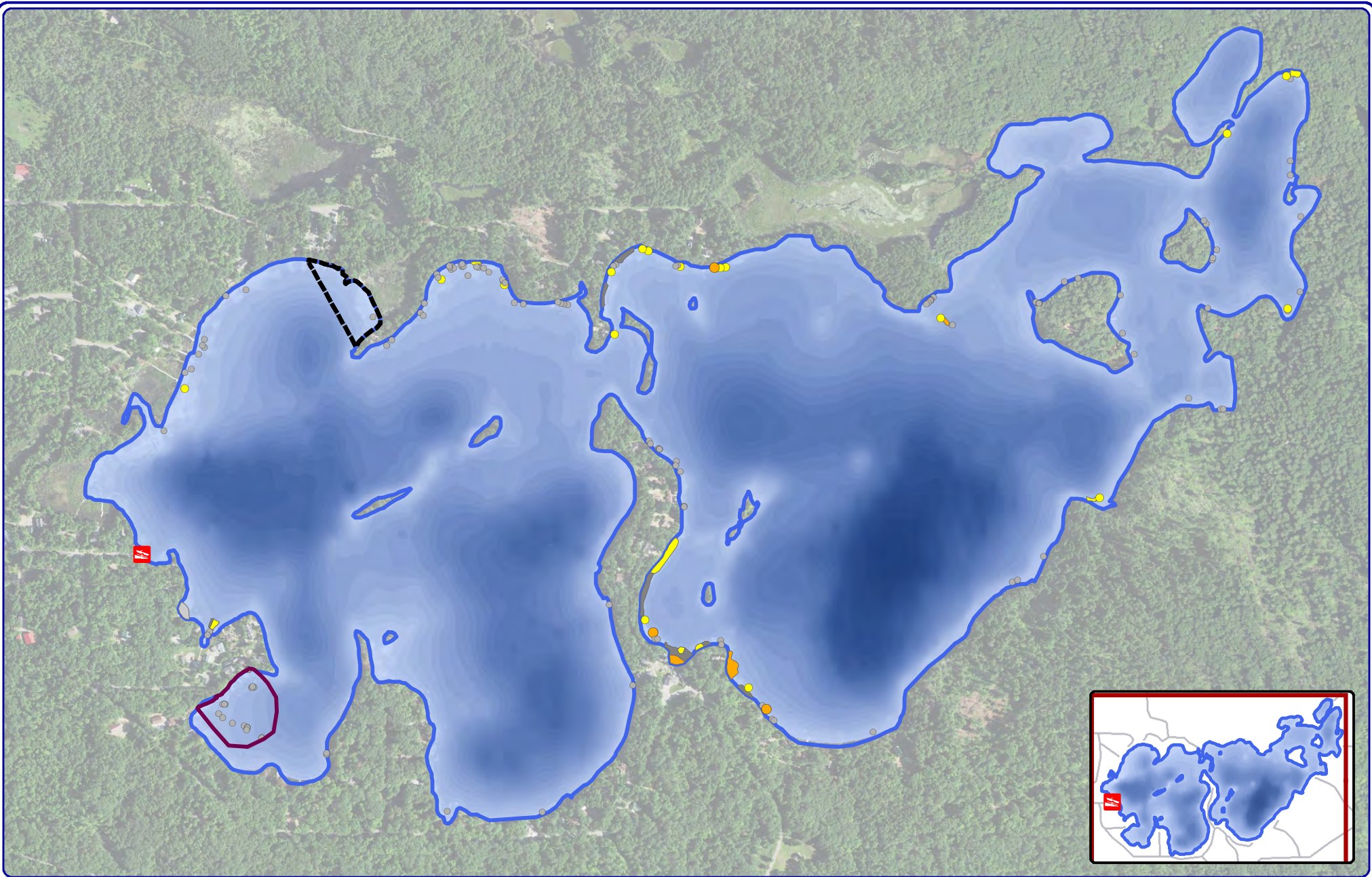
Sources:
 Hydro and Roads: WDNR
 Bathymetry: WDNR, digitized by Onterra
 Aquatic Plant Survey: Onterra, 2022
 Map Date: June 30th, 2023 AMS

Legend

**Number of Native Species
 per Littoral Sampling Site**



Map 3
 Archibald Lake
 Oconto County, Wisconsin
2022 PI Survey:
Native Species Richness



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

Sources:
 Roads and Hydro: WDNR
 Bathymetry: Onterra, 2016
 Orthophotography: NAIP, 2020
 Aquatic Plants: Onterra, 2022
 Map Date: October 4, 2022 AMS

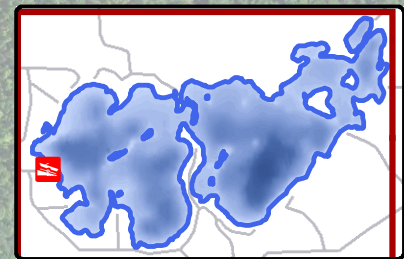


Project Location in Wisconsin

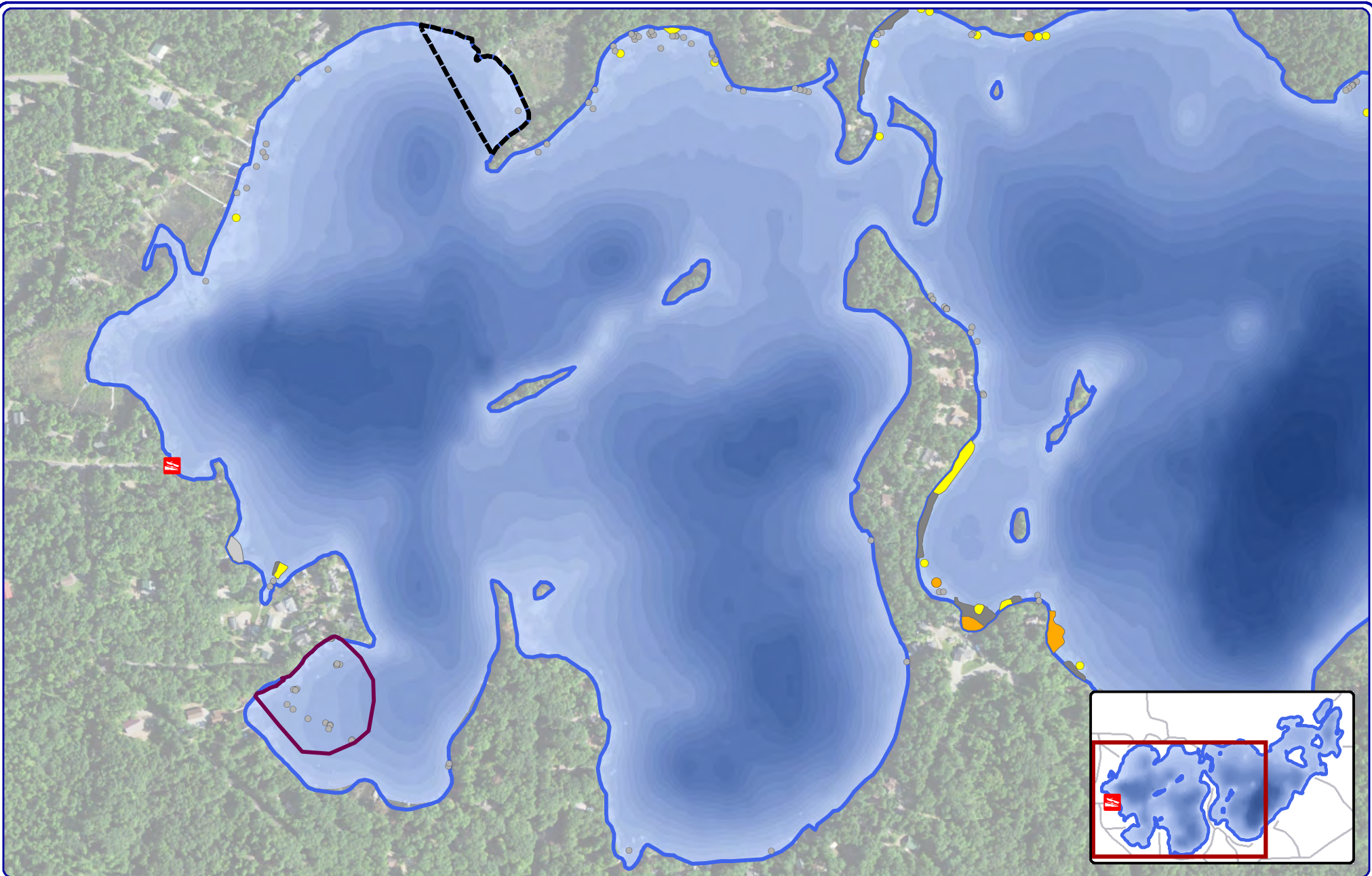
- Highly Scattered
- Scattered
- Dominant
- Highly Dominant
- Surface Matting

Legend

- Single or Few Plants
- Clump of Plants
- Small Plant Colony
- 2022 ProcellaCOR Site
- 2022 2,4-D Barrier Curtain Site



Map 4 (1-7)
 Archibald Lake
 Oconto County, Wisconsin
**2022 Late-Summer
 EWM Survey Results**



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

Sources:
 Roads and Hydro: WDNR
 Bathymetry: Onterra, 2016
 Orthophotography: NAIP, 2020
 Aquatic Plants: Onterra, 2022
 Map Date: October 4, 2022 AMS

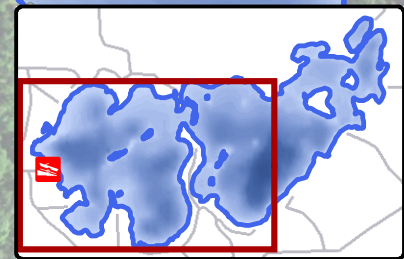


Project Location in Wisconsin

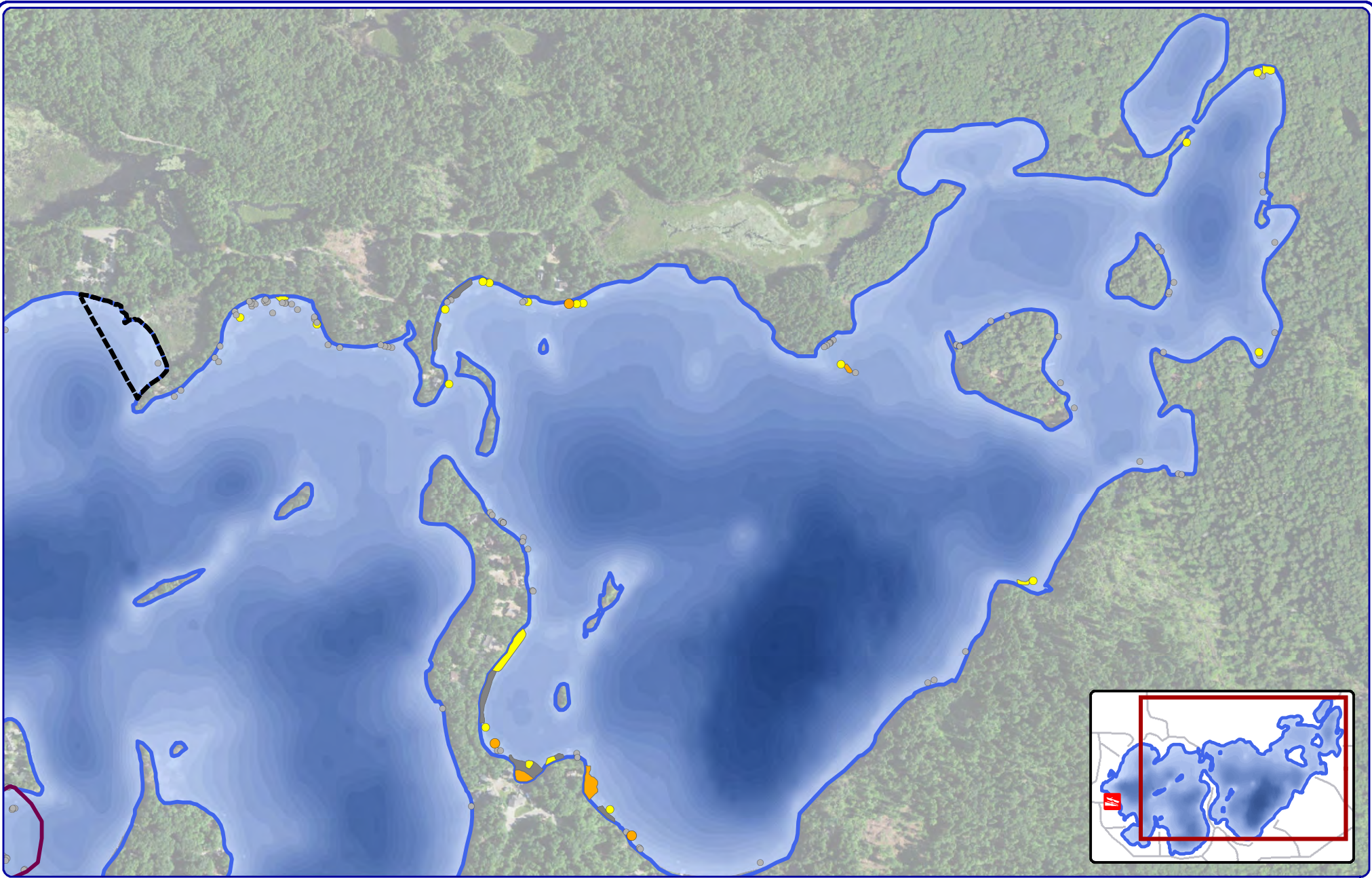
- Highly Scattered
- Scattered
- Dominant
- Highly Dominant
- Surface Matting

Legend

- Single or Few Plants
- Clump of Plants
- Small Plant Colony
- 2022 ProcellaCOR Site
- 2022 2,4-D Barrier Curtain Site



Map 5 (2 of 7)
 Archibald Lake
 Oconto County, Wisconsin
**2022 Late-Summer
 EWM Survey Results**



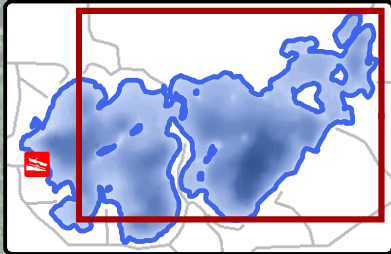
100 Feet

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

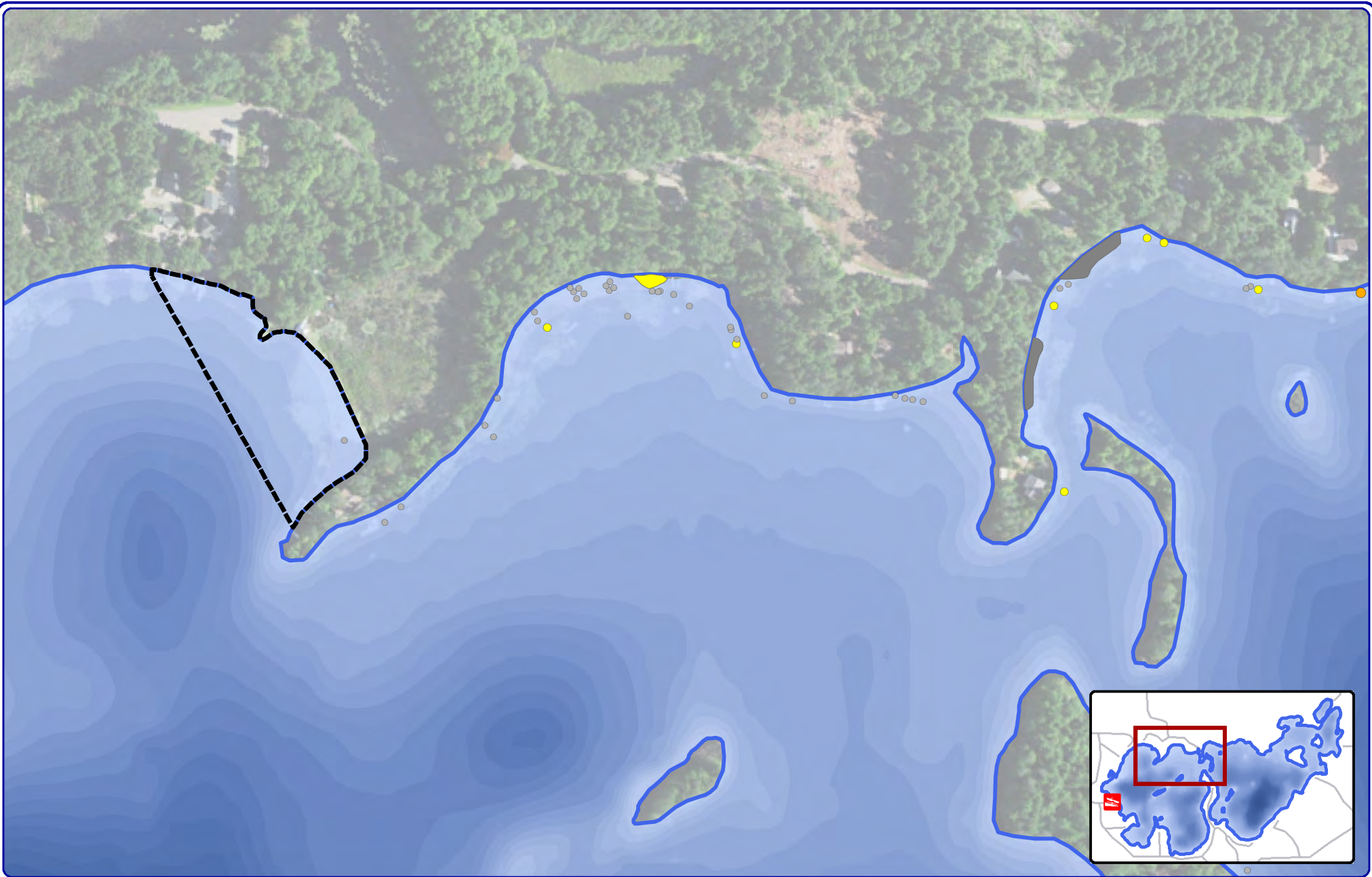
Sources:
 Roads and Hydro: WDNR
 Bathymetry: Onterra, 2016
 Orthophotography: NAIP, 2020
 Aquatic Plants: Onterra, 2022
 Map Date: October 4, 2022 AMS



- Legend**
- Highly Scattered
 - Scattered
 - Dominant
 - Highly Dominant
 - Surface Matting
 - Single or Few Plants
 - Clump of Plants
 - Small Plant Colony
 - 2022 ProcellaCOR Site
 - 2022 2,4-D Barrier Curtain Site



Map 6 (3 of 7)
 Archibald Lake
 Oconto County, Wisconsin
**2022 Late-Summer
 EWM Survey Results**



100 Feet

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

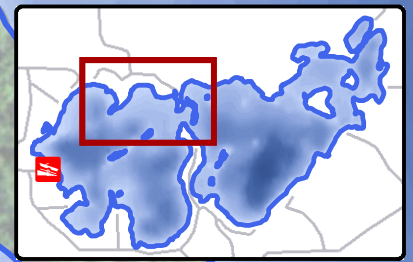
Sources:
 Roads and Hydro: WDNR
 Bathymetry: Onterra, 2016
 Orthophotography: NAIP, 2020
 Aquatic Plants: Onterra, 2022
 Map Date: October 4, 2022 AMS



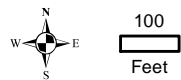
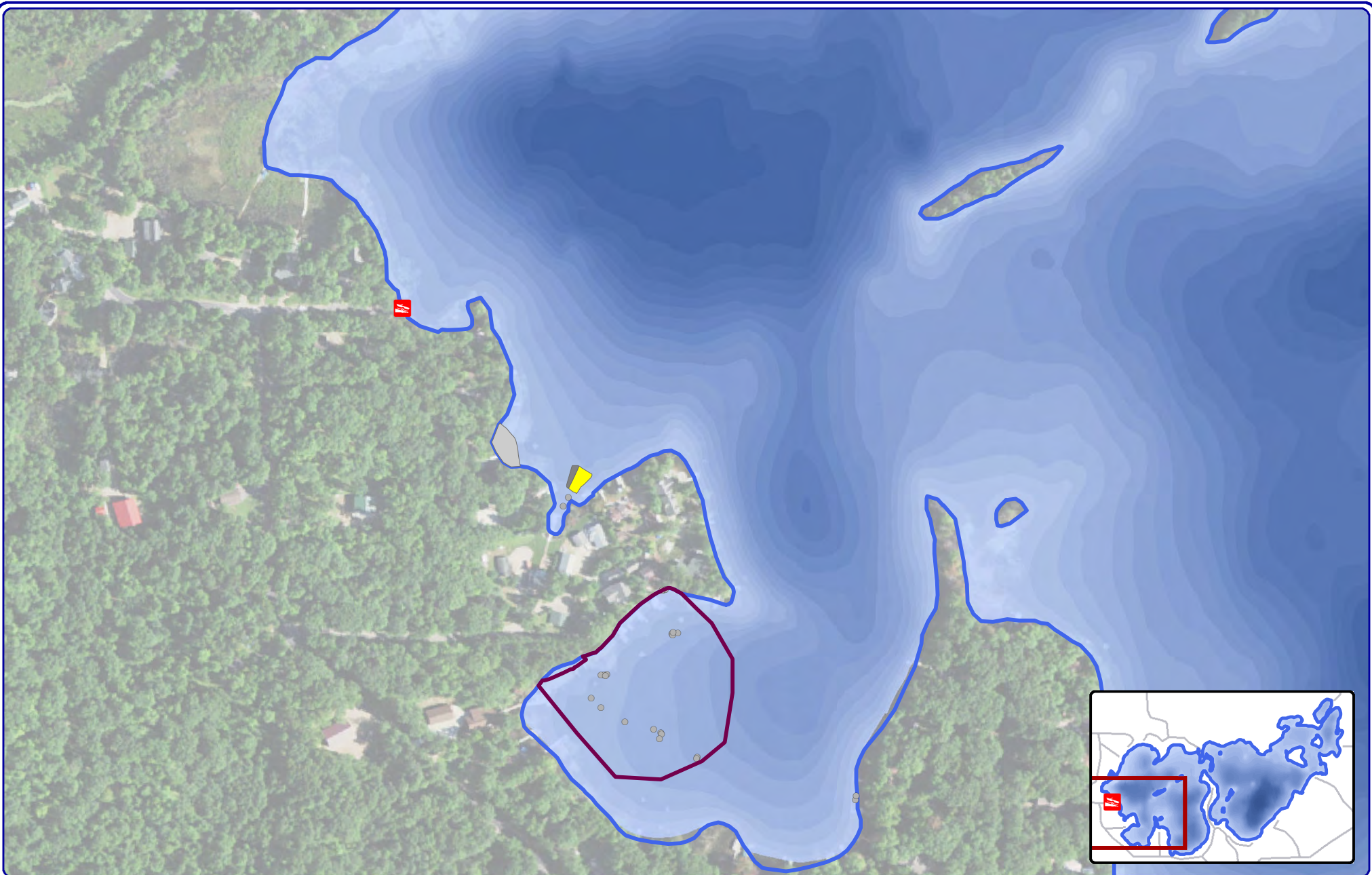
- Highly Scattered
- Scattered
- Dominant
- Highly Dominant
- Surface Matting

Legend

- Single or Few Plants
- Clump of Plants
- Small Plant Colony
- 2022 ProcellaCOR Site
- 2022 2,4-D Barrier Curtain Site



Map 7 (4 of 7)
 Archibald Lake
 Oconto County, Wisconsin
**2022 Late-Summer
 EWM Survey Results**



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

Sources:
 Roads and Hydro: WDNR
 Bathymetry: Onterra, 2016
 Orthophotography: NAIP, 2020
 Aquatic Plants: Onterra, 2022
 Map Date: October 4, 2022 AMS

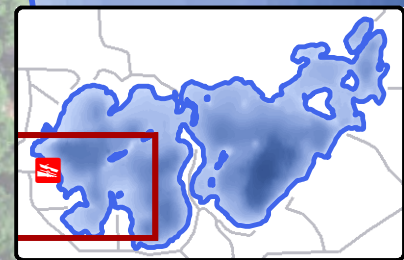


Project Location in Wisconsin

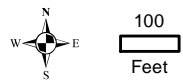
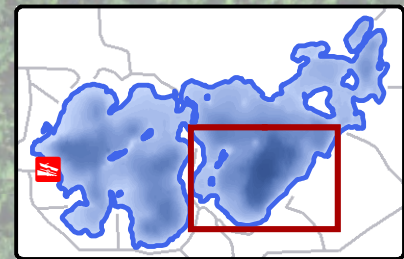
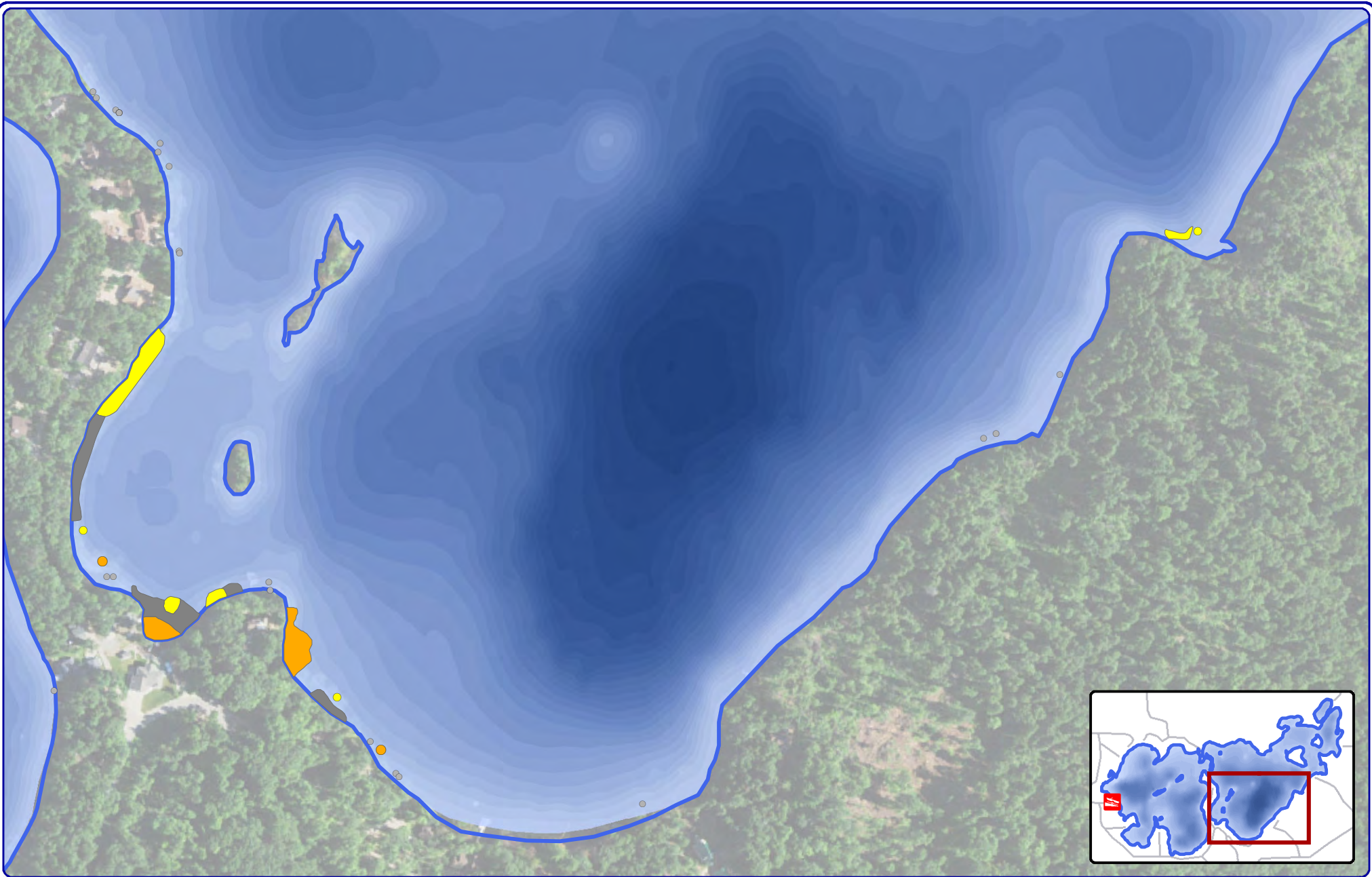
- Highly Scattered
- Scattered
- Dominant
- Highly Dominant
- Surface Matting

Legend

- Single or Few Plants
- Clump of Plants
- Small Plant Colony
- 2022 ProcellaCOR Site
- 2022 2,4-D Barrier Curtain Site



Map 8 (5 of 7)
 Archibald Lake
 Oconto County, Wisconsin
**2022 Late-Summer
 EWM Survey Results**



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

Sources:
 Roads and Hydro: WDNR
 Bathymetry: Onterra, 2016
 Orthophotography: NAIP, 2020
 Aquatic Plants: Onterra, 2022
 Map Date: October 4, 2022 AMS



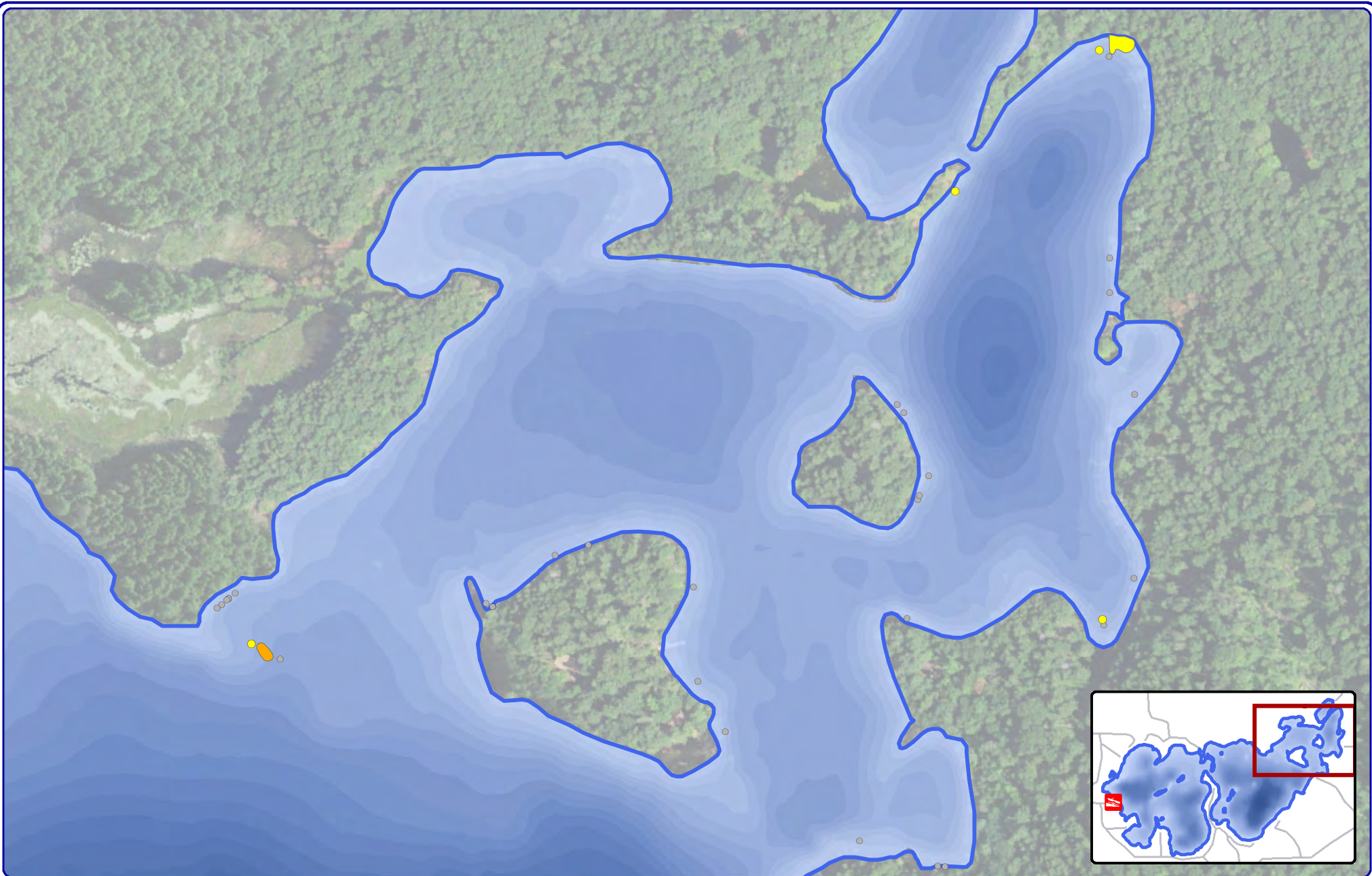
Project Location in Wisconsin

- Highly Scattered
- Scattered
- Dominant
- Highly Dominant
- Surface Matting

Legend

- Single or Few Plants
- Clump of Plants
- Small Plant Colony
- 2022 ProcellaCOR Site
- 2022 2,4-D Barrier Curtain Site

Map 9 (6 of 7)
 Archibald Lake
 Oconto County, Wisconsin
**2022 Late-Summer
 EWM Survey Results**



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

Sources:
 Roads and Hydro: WDNR
 Bathymetry: Onterra, 2016
 Orthophotography: NAIP, 2020
 Aquatic Plants: Onterra, 2022
 Map Date: October 4, 2022 AMS

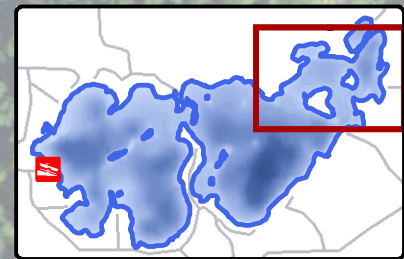


Project Location in Wisconsin

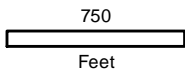
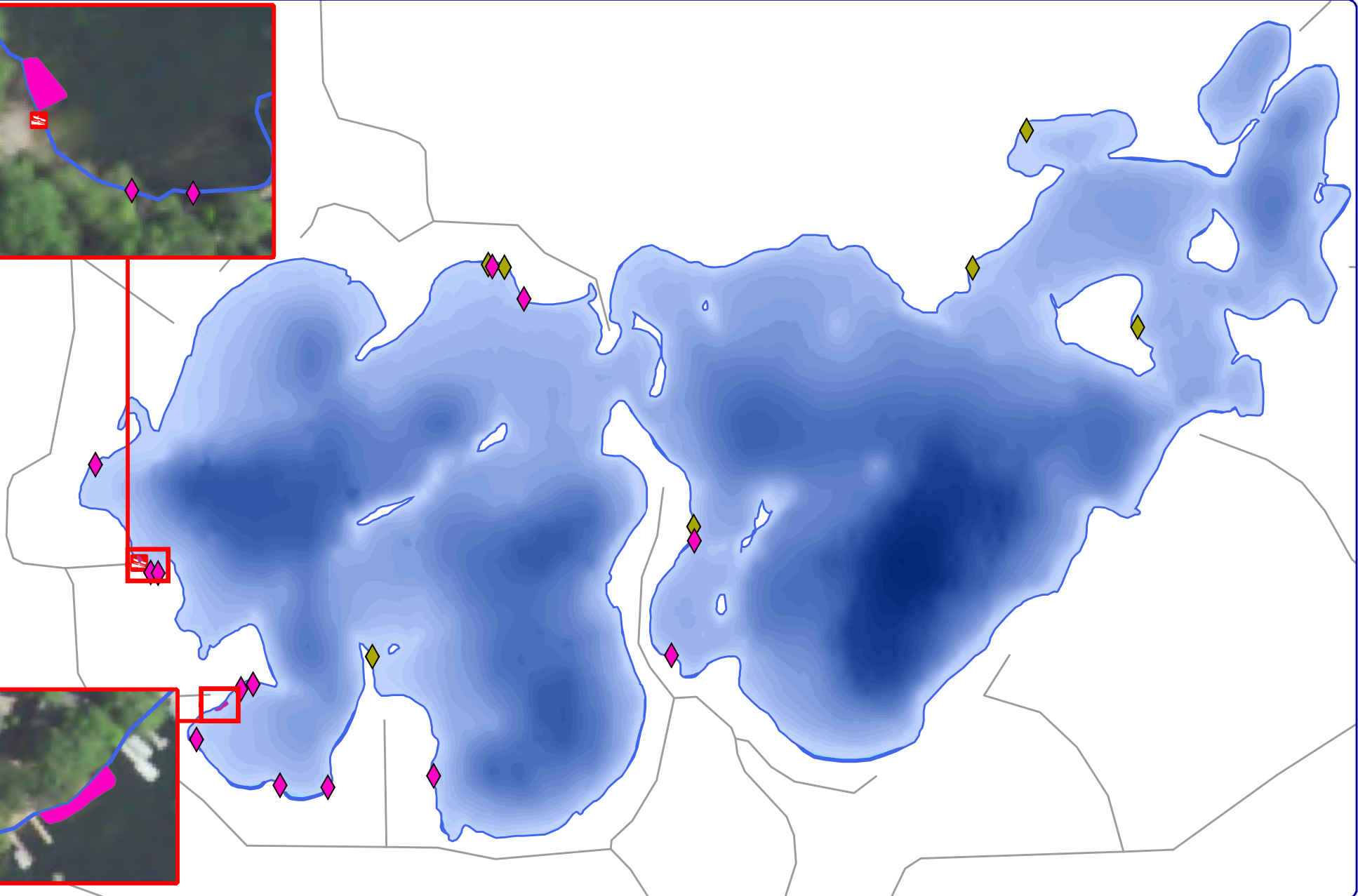
- Highly Scattered
- Scattered
- Dominant
- Highly Dominant
- Surface Matting

Legend

- Single or Few Plants
- Clump of Plants
- Small Plant Colony
- 2022 ProcellaCOR Site
- 2022 2,4-D Barrier Curtain Site

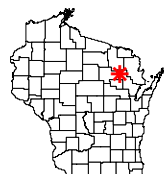


Map 10 (7 of 7)
 Archibald Lake
 Oconto County, Wisconsin
**2022 Late-Summer
 EWM Survey Results**





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

Sources:
 Roads and Hydro: WDNR
 Plant Survey: Onterra, 2016
 Map Date: June 29, 2023 AMS
 Filename: Archibald_Comm_Summer16_east.mxd



Project Location in Wisconsin

Legend

-  Giant reed
-  Flowering rush (small community)
-  Flowering rush (large community)

Map 11
 Archibald Lake
 Oconto County, Wisconsin
**2016 Community Mapping Survey:
 Flowering Rush & Giant Reed**