

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

Sources:
 Hydro: WDNR
 Orthophotography: NAIP, 2017
 Shoreline Assessment: Onterra, 2017
 Map Date: October 10, 2017
 Filename: Sturgeon_Map1_ShorelandCondition_2017.mxd



Project Location in Wisconsin

Legend

- Natural/Undeveloped
- Developed-Natural
- Developed-Semi-Natural
- Developed-Unnatural
- Urbanized

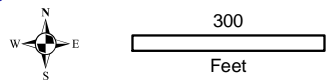
- Seawall
- Rip-Rap
- Wood/Masonry/Metal

Map 1
 Sturgeon Lake
 Vilas County, Wisconsin
**2017 Shoreland
 Condition**



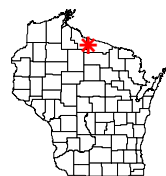
Land Ownership (Inset map)

- Federal (none shown)
- State
- County (none shown)



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Sources:
 Hydro: WDNR
 Orthophotography: NAIP, 2017
 Coarse Woody Habitat Survey: Onterra, 2017
 Map Date: October 10, 2017
 Filename: Sturgeon_Map2_CWH_2017.mxd



Project Location in Wisconsin

2-8 Inch Pieces

- No Branches
- Minimal Branches
- Moderate Branches
- Full Canopy (none)

Legend

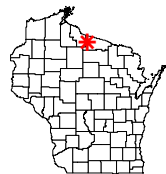
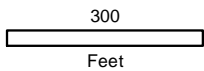
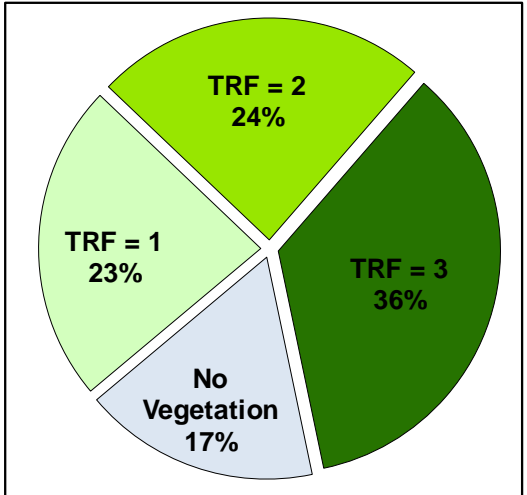
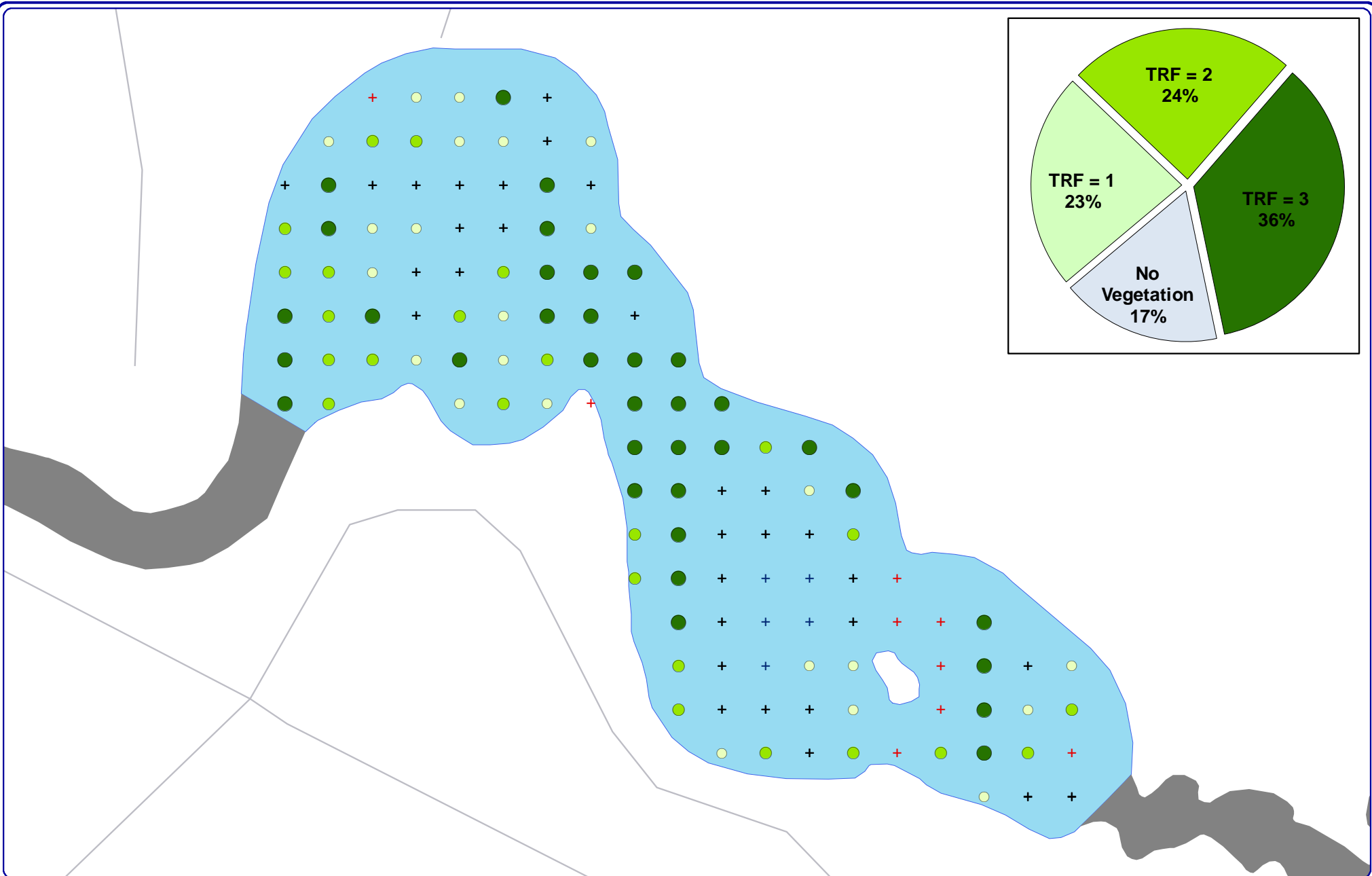
8+ Inch Pieces

- No Branches
- Minimal Branches
- Moderate Branches (none)
- Full Canopy (none)

Cluster of Pieces

- No Branches (none)
- Minimal Branches (none)
- Moderate Branches (none)
- Full Canopy (none)

Map 2
 Sturgeon Lake
 Vilas County, Wisconsin
**Coarse Woody
 Habitat**



Project Location in Wisconsin

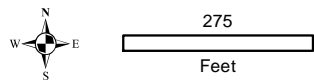
Legend

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

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Sources:
 Roads and Hydro: WDNR
 Plant Survey: Onterra, 2017
 Map Date: November 17, 2017
 Filename: MapX_Sturgeon_TRFPI_2017.mxd

Map 3
 Sturgeon Lake
 Vilas County, Wisconsin
 2017 PI Survey:
 Aquatic Vegetation
 Distribution



Project Location in Wisconsin

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Sources:
 Aquatic Plants: Onterra, 2017
 Orthophotography: NAIP, 2017
Map date: August 16, 2017
 Filename: Sturgeon_Comm_2017.mxd

Legend

Small Plant Communities

- Emergent
- Floating-leaf
- Mixed Floating-leaf & Emergent

Large Plant Communities

- Emergent
- Floating-leaf
- Mixed Floating-leaf & Emergent

Map 4

Sturgeon Lake
 Vilas County, Wisconsin

**Emergent & Floating-leaf
 Aquatic Plant Communities**