

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 9, 2017
 Filename: Benson_Map1_ShorelandCondition_2017.mxd



Legend

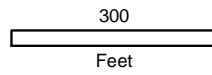
- Natural/Undeveloped
- Developed-Natural
- Developed-Semi-Natural
- Developed-Unnatural
- Urbanized
- Seawall
- Rip-Rap
- Wood/Masonry/Metal

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



Land Ownership (Inset map)

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



Project Location in Wisconsin

Legend

2-8 Inch Pieces

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

8+ Inch Pieces

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

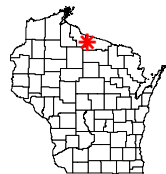
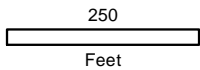
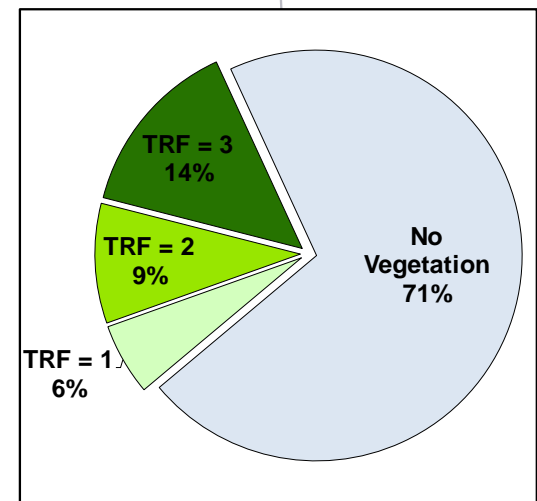
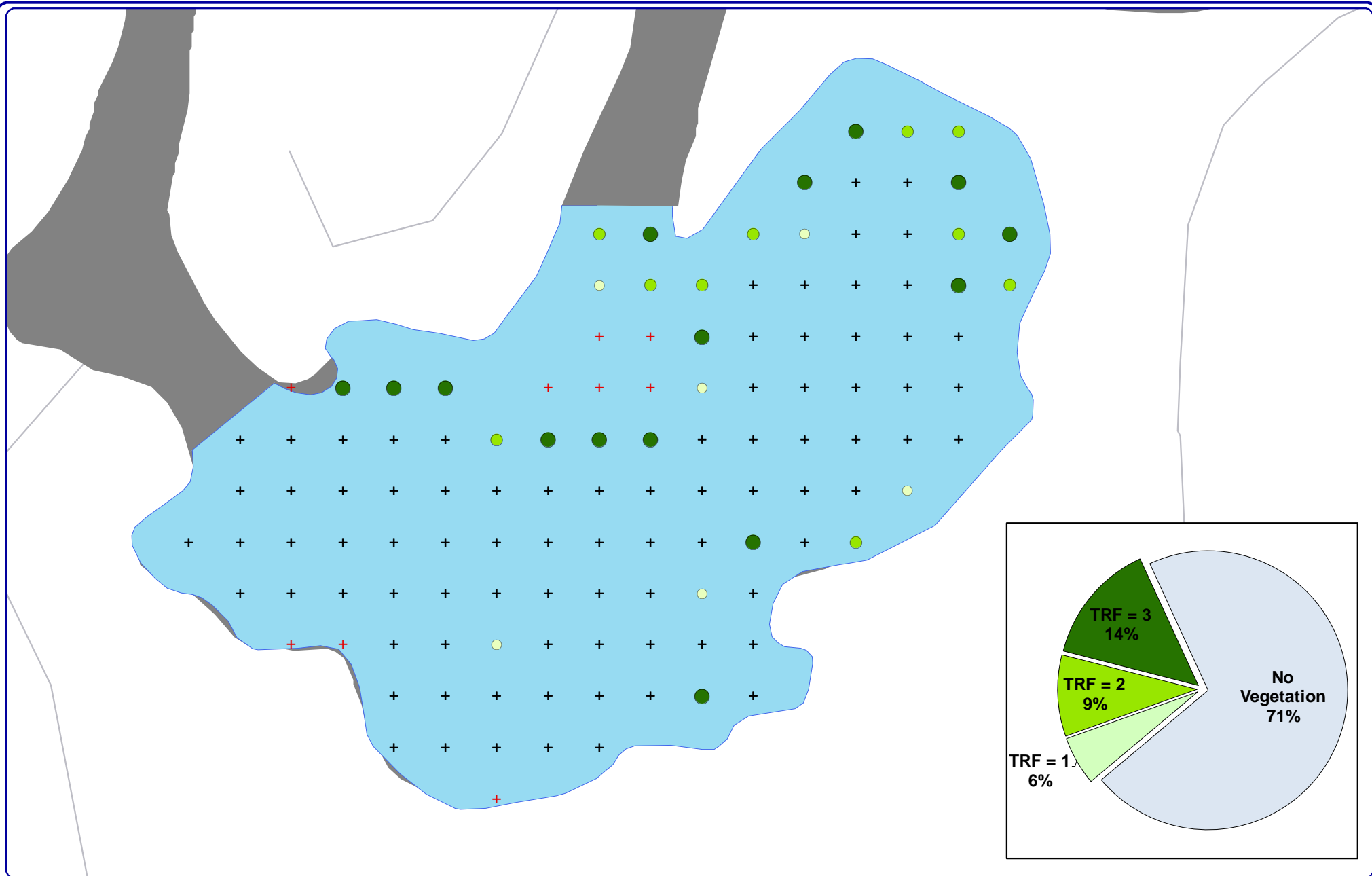
Cluster of Pieces

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

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Sources:
 Hydro: WDNR
 Orthophotography: NAIP, 2017
 Coarse Woody Habitat Survey: Onterra, 2017
 Map Date: October 9, 2017
 Filename: Benson_Map2_CWH_2017.mxd

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



Project Location in Wisconsin

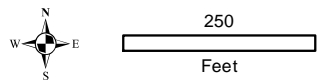
Legend

- 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_Benson_TRFPI_2017.mxd

Map 3 Benson 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: November 3, 2017
Filename: Benson_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

Benson Lake
Vilas County, Wisconsin

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