



Sources: Hydro: WDNR Bathymetry: Onterra 2016 Orthophotography: NAIP 2015 Land Cover: NLCD 2011 Watershed Boundaries: Onterra 2016 Map Date: April 12, 2017 Filename: ForestVilas\_Watershed.mxd

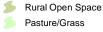


Project Location in Wisconsin



Wetlands

Open Water

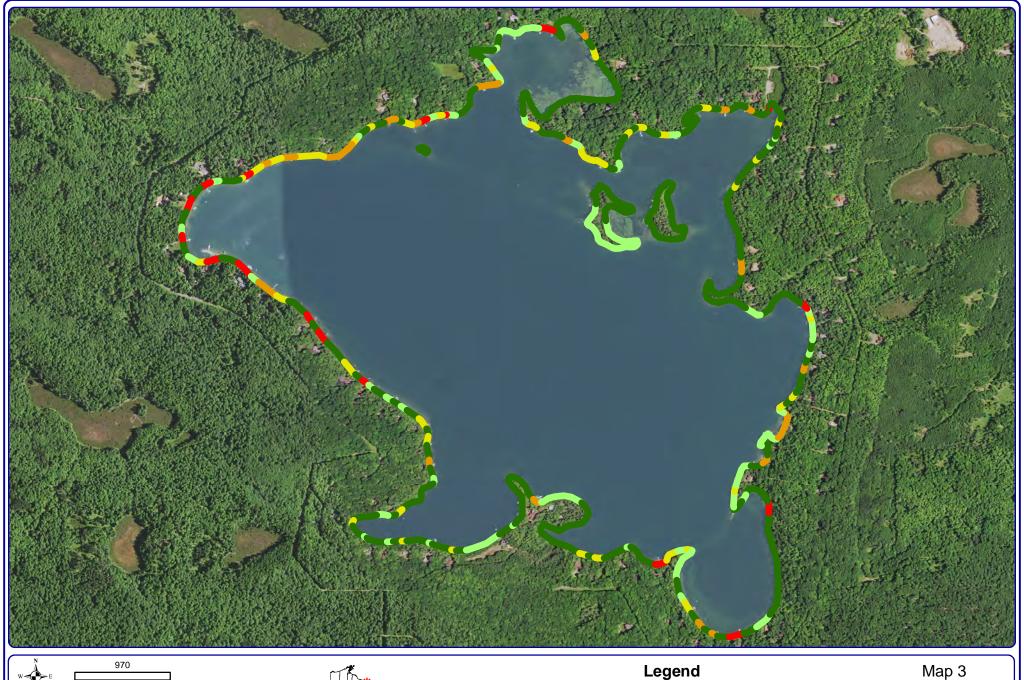


Row Crops

Rural Residential Medium Density Urban Forest Lake Watershed Boundary

Forest Lake Vilas County, Wisconsin

Watershed & **Land Cover Types** 





Feet

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

Federal Lands: USDA Forest Service Hydro, State Land and Roads: WDNR Aquatic Plant Survey: Onterra, 2016 Filename: ForestVilas\_SCA\_2016.mxd



Natural/Undeveloped Developed-Natural

Developed-Semi-Natural

Developed-Unnatural Urbanized

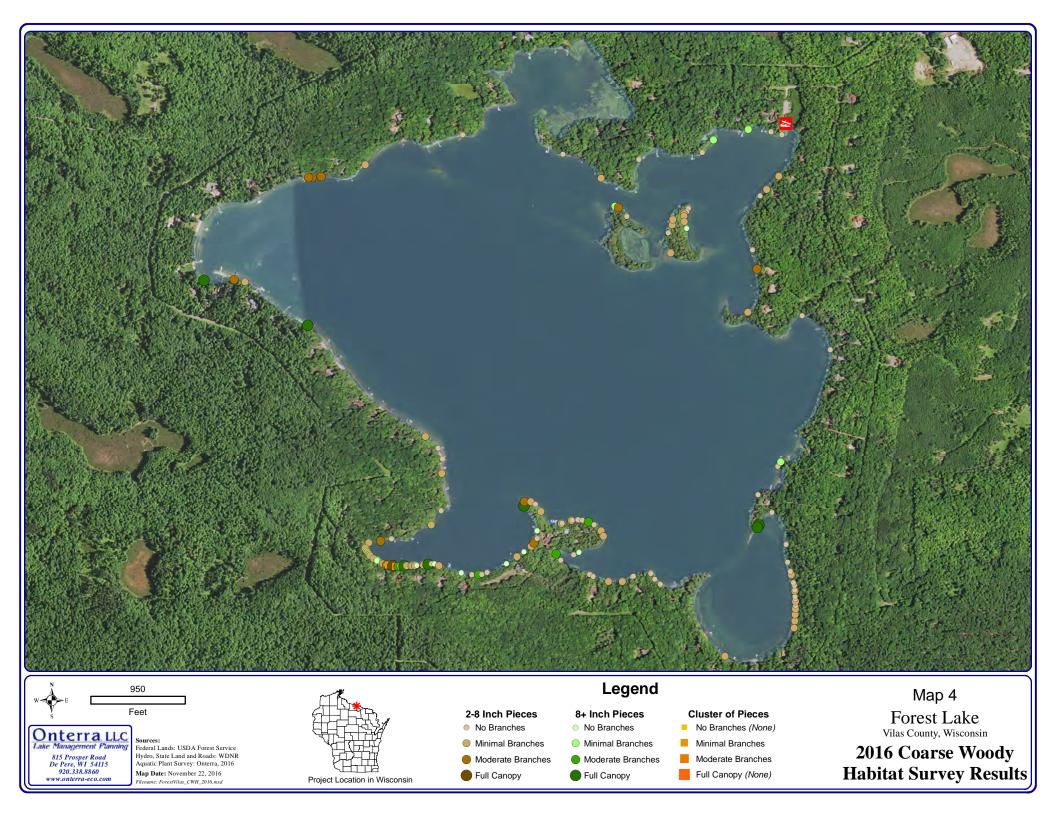
Seawall

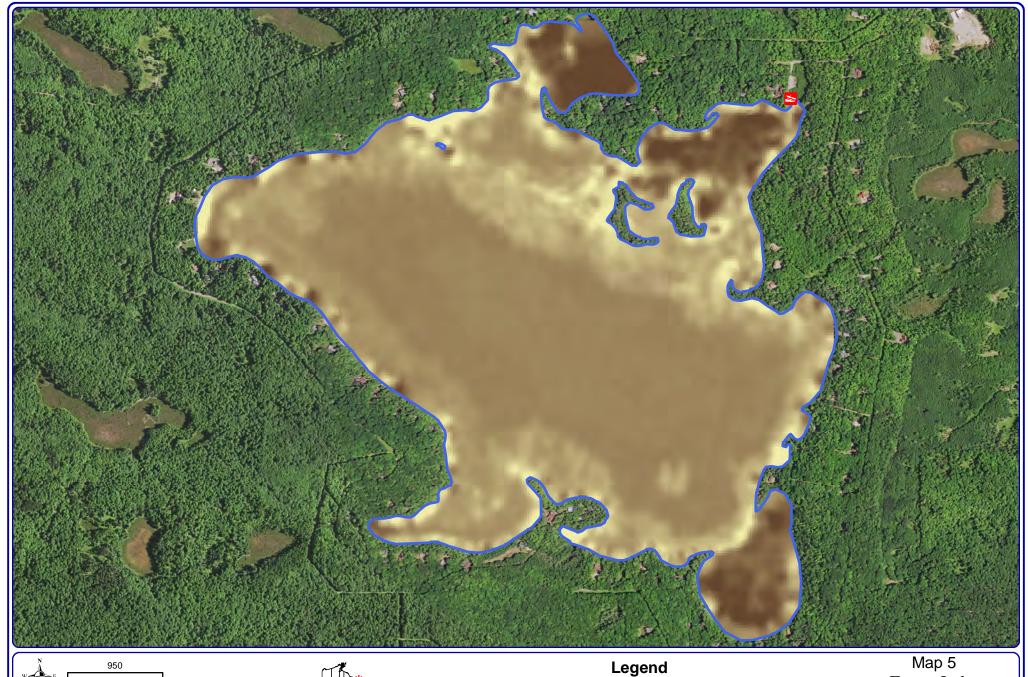
Masonry/Wood ommoo Rip-Rap

Map 3

Forest Lake Vilas County, Wisconsin

2016 Shoreland **Condition** 







Sources: Hydro: WDNR Substrate Hardness: Onterra 2016 Orthophotography: NAIP 2015 Map Date: April 12, 2017 Filename: ForestVilas\_Acoustic\_Sediment.mxd

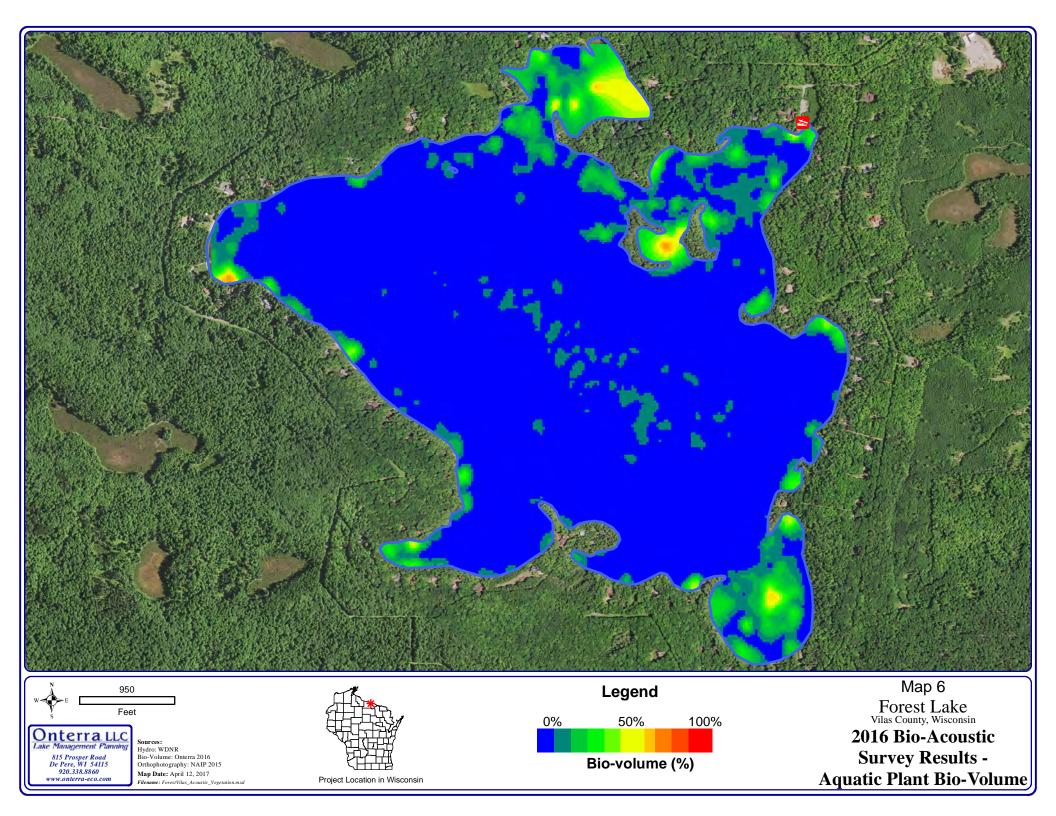


Hard Soft

**Substrate Hardness** 

Forest Lake Vilas County, Wisconsin

2016 Bio-Acoustic **Survey Results -Substrate Hardness** 







Sources: Aquatic Plants: Onterra, 2016 Orthophotography: NAIP, 2015 Map date: November 7, 2016 Filename: ForestVilas\_Comm\_2016.mxd



Extent of large map shown in red.

### **Small Plant Communities**

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

## Large Plant Communities

**E**mergent

Floating-leaf

Mixed Floating-leaf & Emergent

Map 7
Forest Lake
Vilas County, Wisconsin

**Aquatic Plant Communities** 

