

# Revitalization of Shoreland Vegetation Project



# Location



# East Central Wisconsin





# Green Lake Facts

**Greatest Depth.....237 feet**

**Average Depth..... 100 feet**

**Surface Area.....7,346 acres**

**Length.....7.3 miles**

**Width.....2 miles**

**Shoreline.....27.3 miles**

**Watershed.....57,000 acres**



# Funding



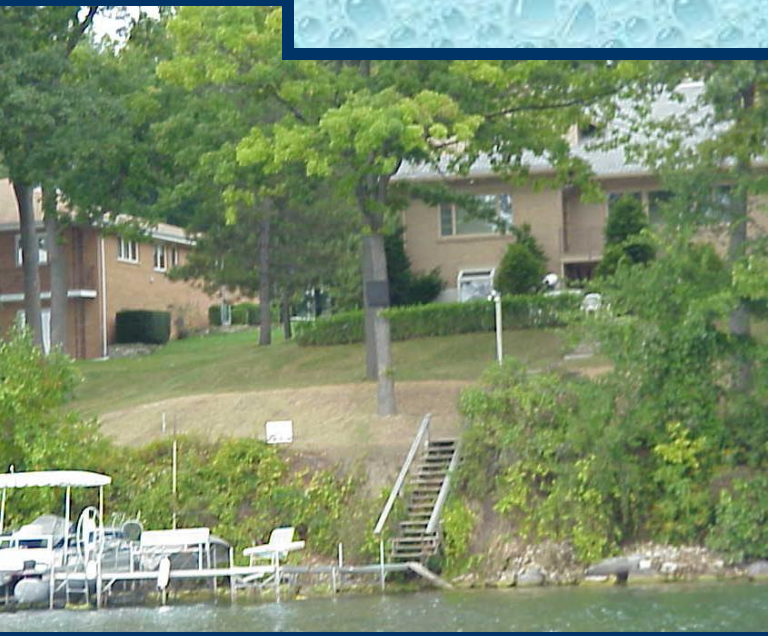
# Education



# Workshops



# Demonstration Sites





# Public Tours of Demonstration Sites



# Cost Share Agreement

- ◆ *Demonstration sites: 100% of costs*
  - Allows public access at specific times
- ◆ *Other sites: 75% of costs up to \$1000*
- ◆ *Eligible costs: plants, seed, mulch, erosion control materials*
- ◆ *Ineligible costs: design; materials, labor or other services for walkways, paths, other access structures; plants, seeds, etc. not approved by RSVP*
- ◆ *Maintenance: predetermined period of time*
- ◆ *Annual inspection by RSVP personnel*



# Green Lake: Wisconsin's deepest inland lake!

- ◆ 90% of the shoreline is developed
- ◆ Estimated 800 lakefront properties
- ◆ 18,000 pounds of phosphorus (plant nutrient) into Green Lake annually
- ◆ 70% of property owners are seasonal; 30% are year-round



# What is RSVP?

Revitalization  
of  
Shoreland  
Vegetation  
Project



# RSVP Objectives

- ◆ Reduce nonpoint pollution surface runoff and erosion
- ◆ Increase shoreland habitat and biodiversity
- ◆ Enhance the aesthetic appeal of shoreland
- ◆ Serve as a RSVP demonstration site for educating the public about shoreland restoration and protection.

# Development downside?

- ◆ Shoreland development destroys the natural shoreland buffer
- ◆ Shoreland buffer helps filter and absorb pollutants that result in cultural eutrophication.
- ◆ Shoreland development destroys shoreland biodiversity.

# Upside? RSVP!

- ◆ Restores buffer zone with *native* vegetation
- ◆ Buffer zone filters runoff and prevents shoreline erosion
- ◆ Habitat for wildlife
- ◆ Improves shoreland aesthetic appeal



# RSVP Site Design

Shoreland designer conducts a final inspection of the Hattie Sherwood Park shoreland.





# Native Shoreland Plants

- ◆ RSVP has cost shared 80 projects to date which represents 10% of lake front properties



# Fishing “islands”

RSVP design includes easy access to the shore for anglers, without damage to the restored shore land vegetation.



# Installation - Planting



# Installation - Watering

Volunteers help out with watering the young shore land plants.



# Loosestrife eradication

Left unchecked, purple loosestrife crowds out and replaces native plants!



# Conclusions

- ◆ To date, 80 RSVPs completed on Green Lake
- ◆ 6,915 frontage feet restored
- ◆ 135,927 square feet of restored frontage
- ◆ Certified firms  
7 landscapers,  
4 nurseries,  
2 lawn care



# Partners in Protection



Green Lake Association, Green Lake Sanitary District,  
Land Conservation Dept., Land Use Planning & Zoning Dept.,  
UW-Extension, Dept. of Natural Resources and, local biologists, educators, & realtors

# Zero-phosphorous Fertilizer



Safe Green



# RSVP...a work in progress!



A teal-tinted landscape photograph of a lake. The water is calm and reflects the sky. On the left, there is a dense line of trees and a small island of reeds. The sky is a uniform light teal color. The overall mood is serene and somewhat melancholic.

*The end? Never...*



# Credits

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- ◆ Green Lake Association