

# GUIDE TO STEWARDSHIP

- ! Shoreline Buffers
- ! Minimize Impervious Surfaces
- ! Runoff Control (Rain Gardens, berms, infiltration trench, swales, cistern)
- ! Septic System Maintenance
- ! Boating Guidelines
- ! Filter Strips
- ! Others

# Natural Shoreland Buffers with Native Plant Communities

**Buffers are areas or strips of land maintained in permanent vegetation to help control pollutants and other environmental problems. Native plants are recommended.**



# Buffers - Shoreline Revegetation with Native Plant Communities

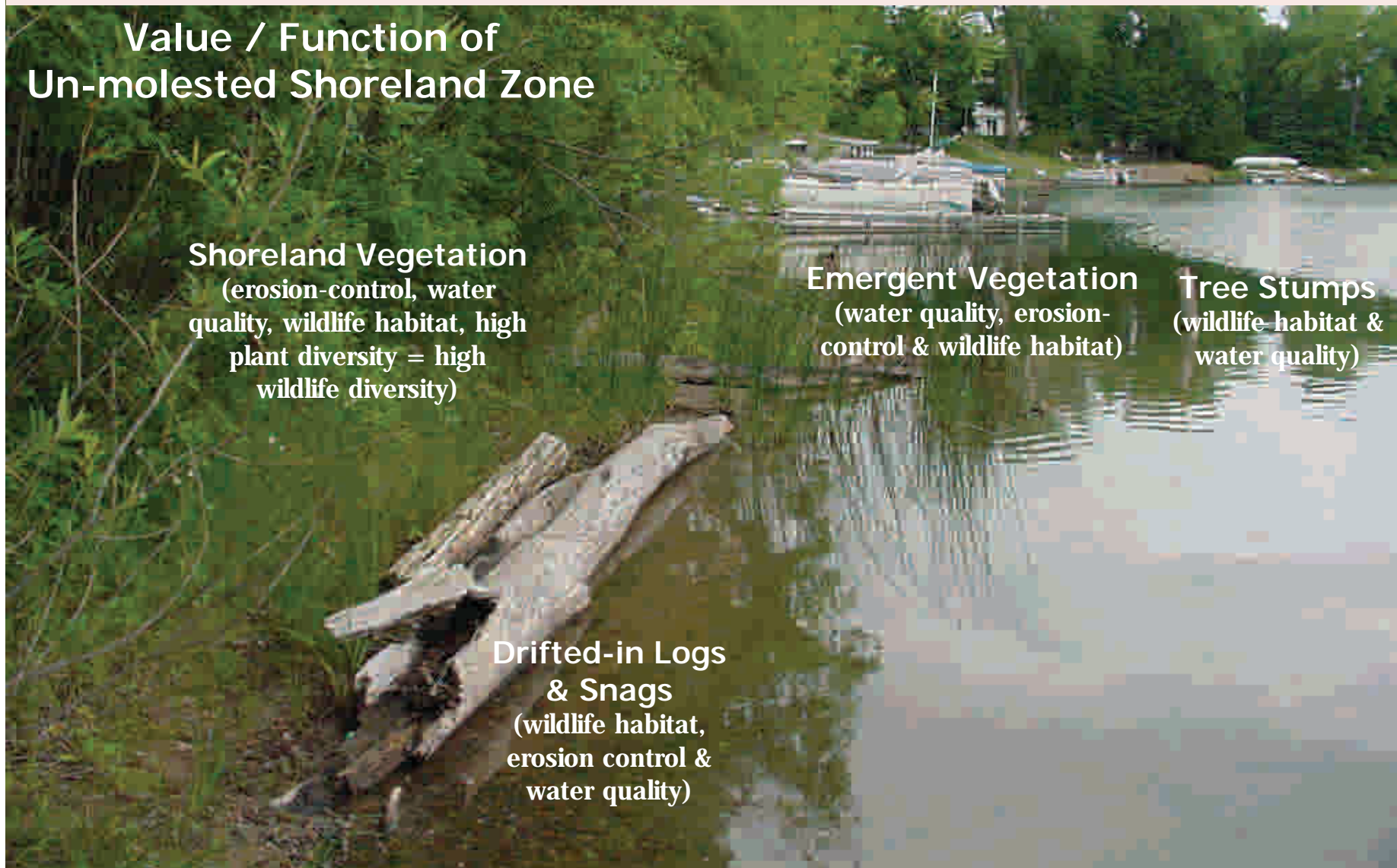
## Value / Function of Un-molested Shoreland Zone

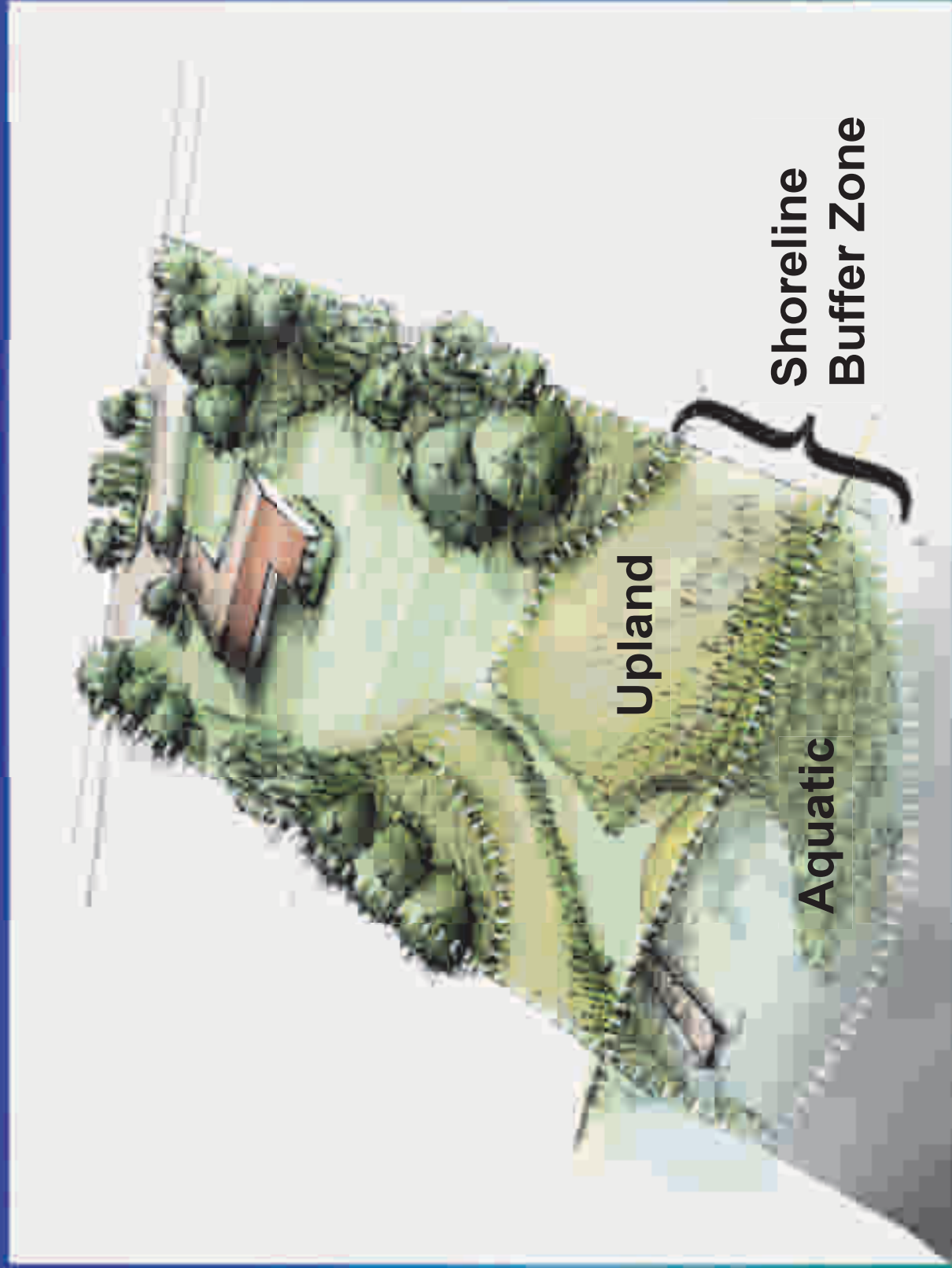
**Shoreland Vegetation**  
(erosion-control, water  
quality, wildlife habitat, high  
plant diversity = high  
wildlife diversity)

**Emergent Vegetation**  
(water quality, erosion-  
control & wildlife habitat)

**Tree Stumps**  
(wildlife habitat &  
water quality)

**Drifted-in Logs  
& Snags**  
(wildlife habitat,  
erosion control &  
water quality)



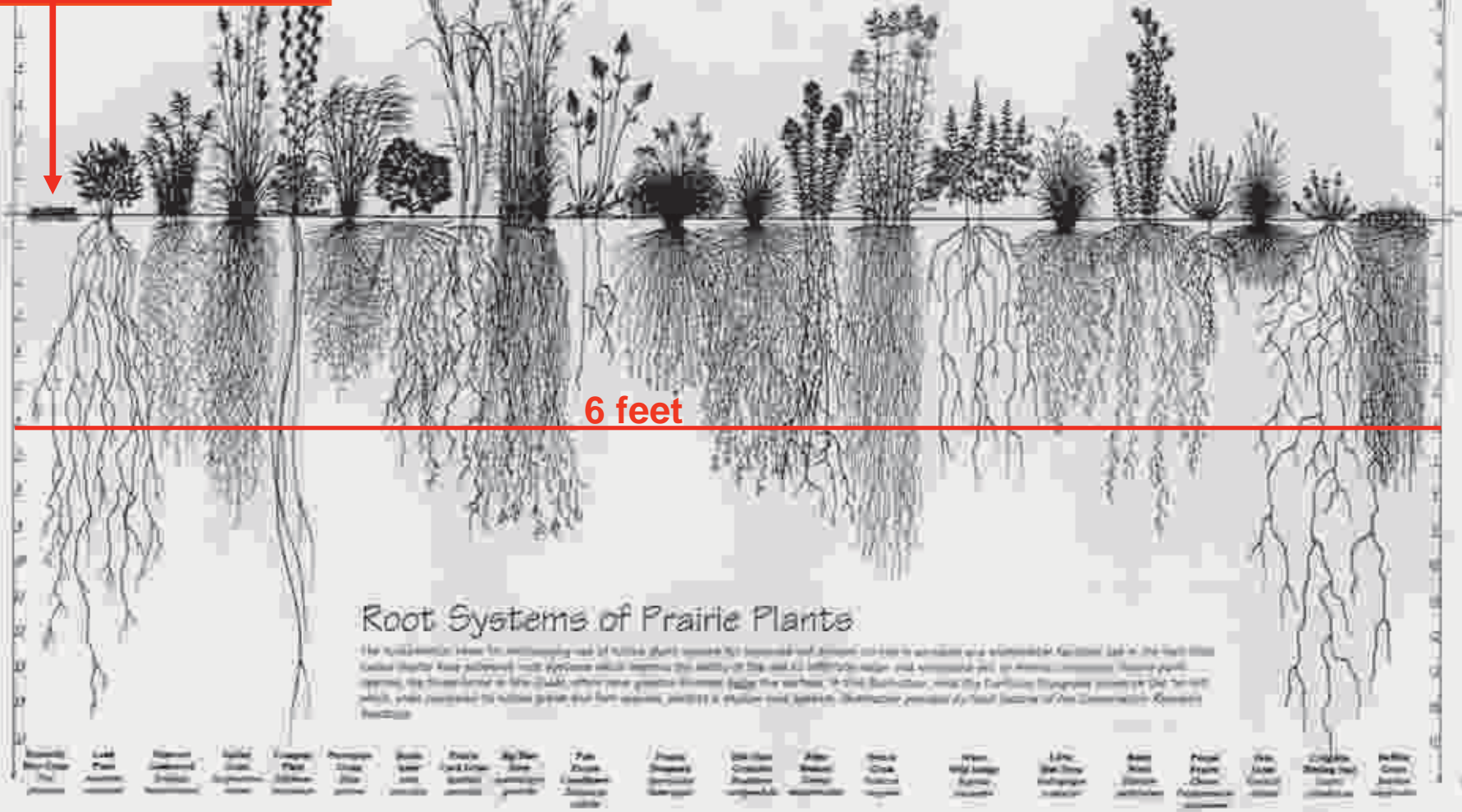




# Why Native Plants?

## Blue Grass

## 3 to 4 inch roots



# Conservation Research Institute

# BENEFITS OF A NATIVE SHORELINE STABILIZATION

- ! Stabilize shoreline & reduces erosion
- ! Reduce wave impact
- ! Reduce impacts from upland runoff
- ! Traps sediments
- ! Filter nutrients & pollutants
- ! Enhances water infiltration and storage
- ! Increases wildlife habitat
- ! Acts as a travel corridor for wildlife
- ! Discourages nuisance levels of wildlife
- ! Create a natural aesthetic
- ! Reduces lawn maintenance
- ! Control insects naturally
- ! Attracts Frogs, Turtles & Butterflies = Attracts Kids



CMWD





DO I NEED A BUFFER?

# HOW WILL I KNOW IF I NEED A BUFFER?





# HOW WILL I KNOW IF I NEED A BUFFER?



**HOW WILL I KNOW IF I NEED A BUFFER?**





## WHAT TO EXPECT

- ! Contact Representative from BLCA or SWCD
- ! Site Evaluation (current and planned design)
- ! Plant Selection & Design (what's your vision?)
- ! Permits
- ! Site preparation
- ! Installation
- ! Maintenance (~3 yrs)

# Site Evaluation

Shoreland sketch (current conditions & your buffer vision)

Shoreline Revegetation Plan - Site Diagram  
and symbols found on the back of this page to complete the diagram

