

Environmental functions of a natural shoreline

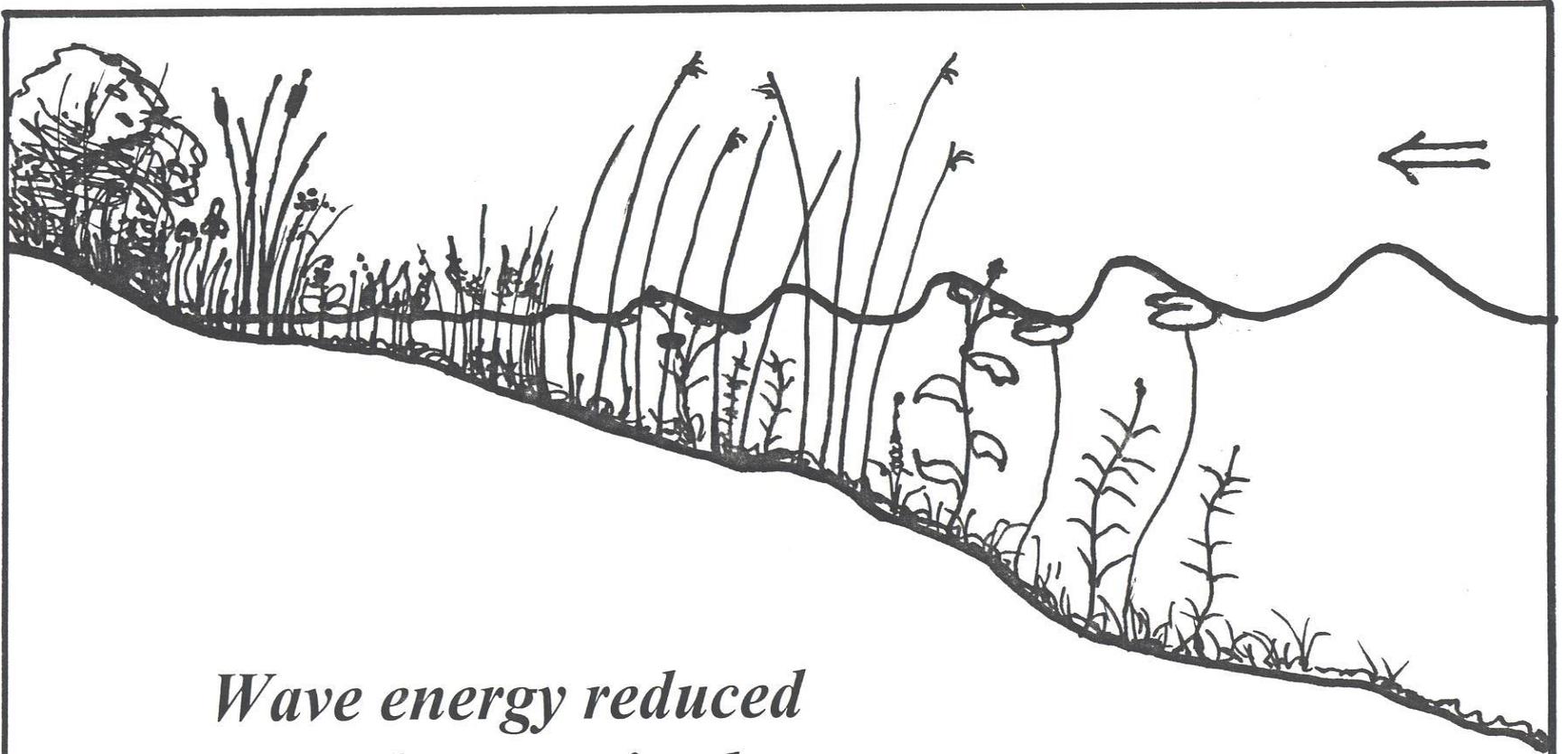
9:30-10:00

Why should I care about a natural shoreline?



A natural shoreline...

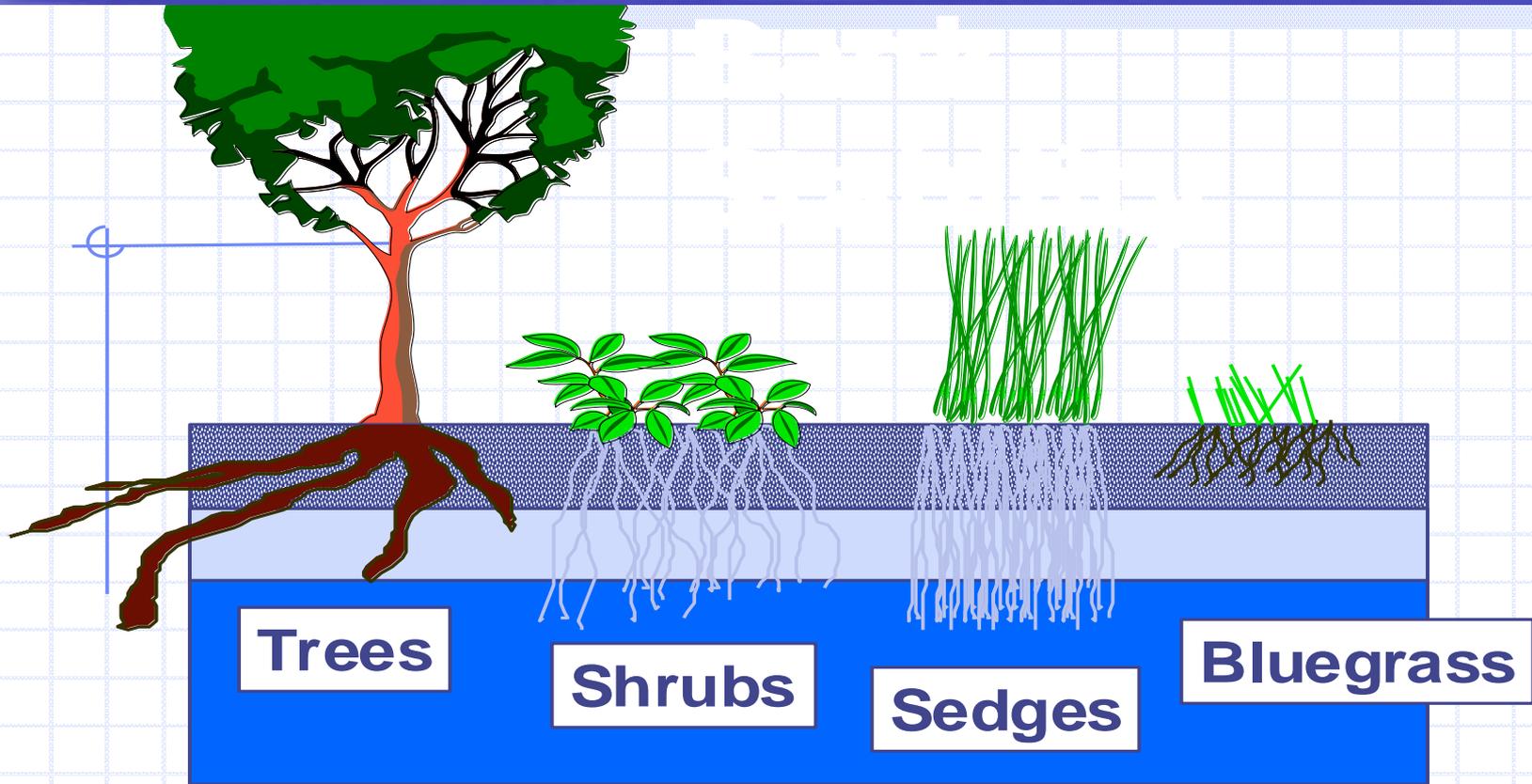




*Wave energy reduced
by aquatic plants*



Deeper rooted native plants can resist wave and ice erosion





Wave break of
aquatic plants
removed from the
offshore area

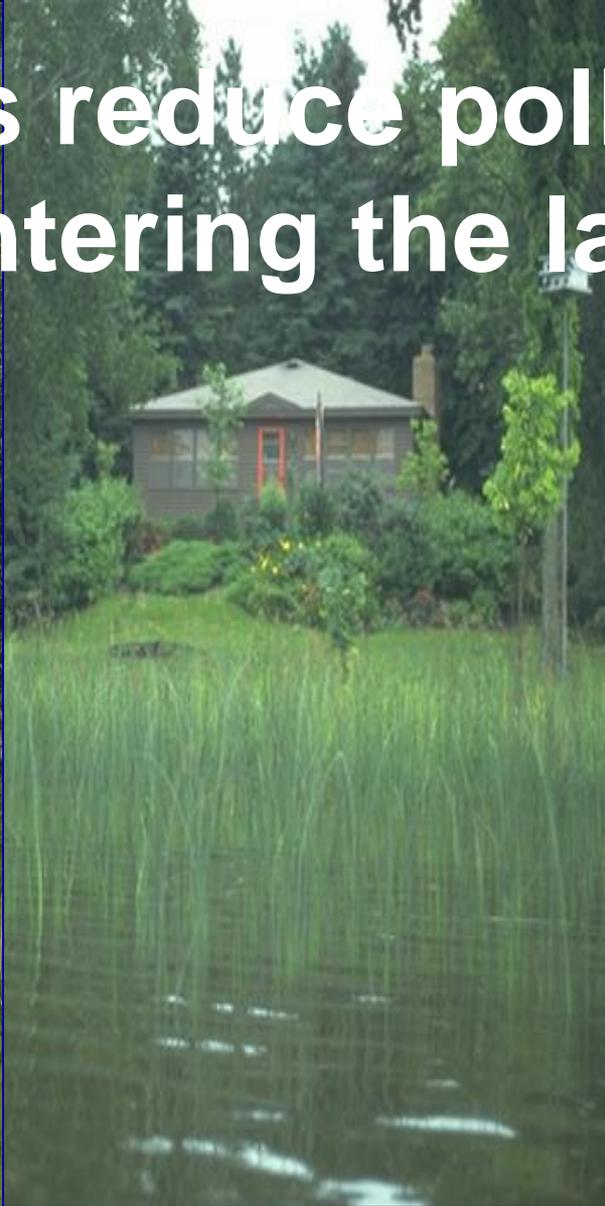
Shallow rooted turf
grass doesn't hold
soil in place on
shorelines



Little Bass Lake



Plants reduce pollutants entering the lake

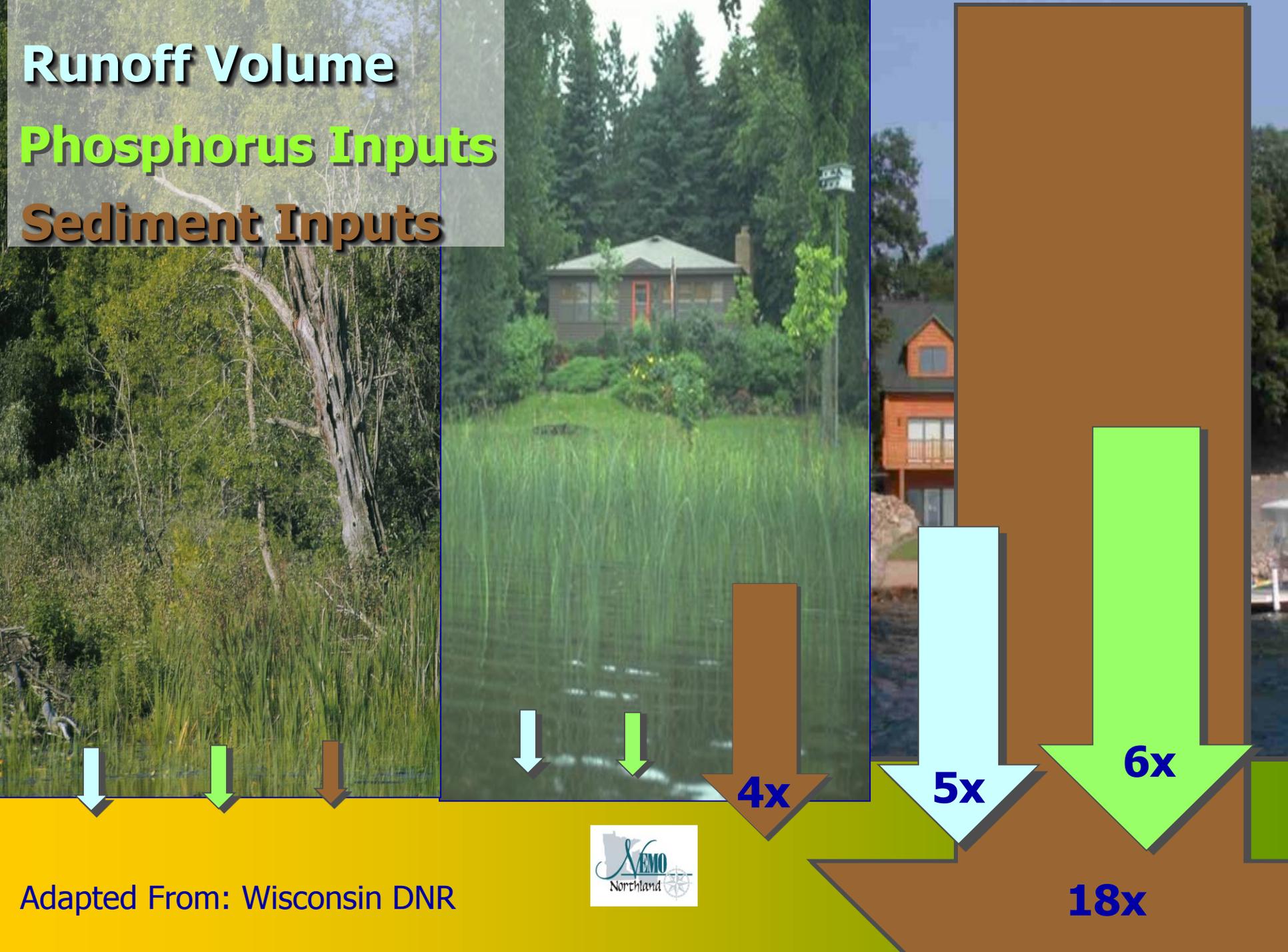


Adapted From: Wisconsin DNR

Runoff Volume

Phosphorus Inputs

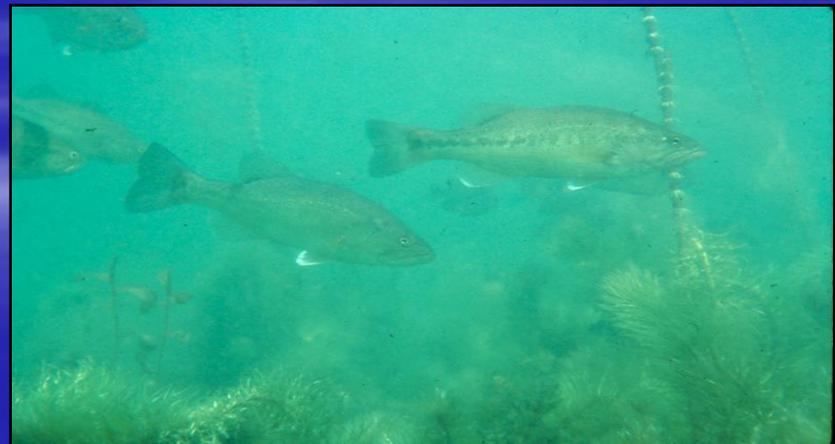
Sediment Inputs



Adapted From: Wisconsin DNR



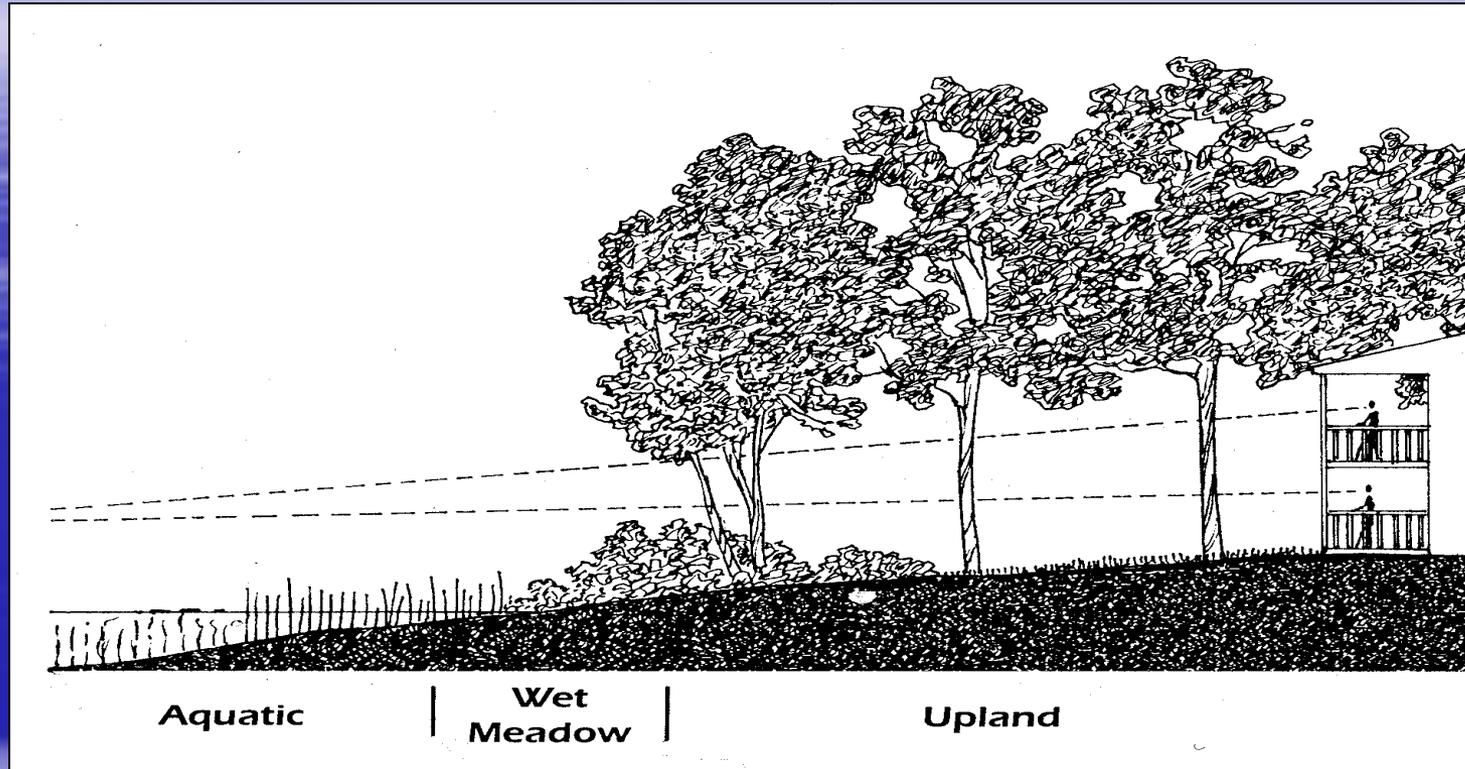
Plants provide wildlife habitat...



...except for geese!



The big picture



**Protect
bank
from
wave
action**

**Deep
roots
bind
the
soil**

**Reduce run-off and
pollutant inputs
from the land**

Plants provide animal habitat