



# Picking Plants for the shore: Right Plant; Right Place

REBECCA JACOBS

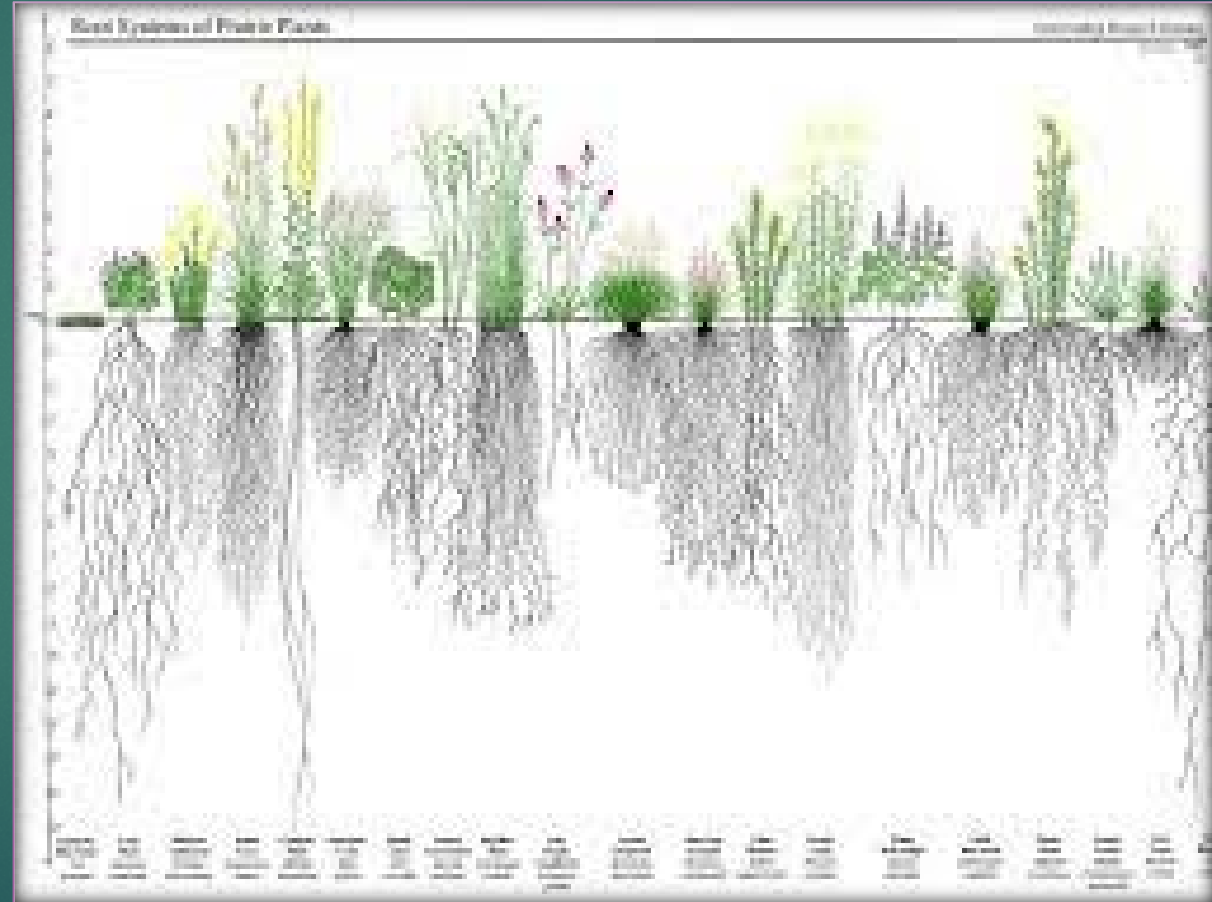
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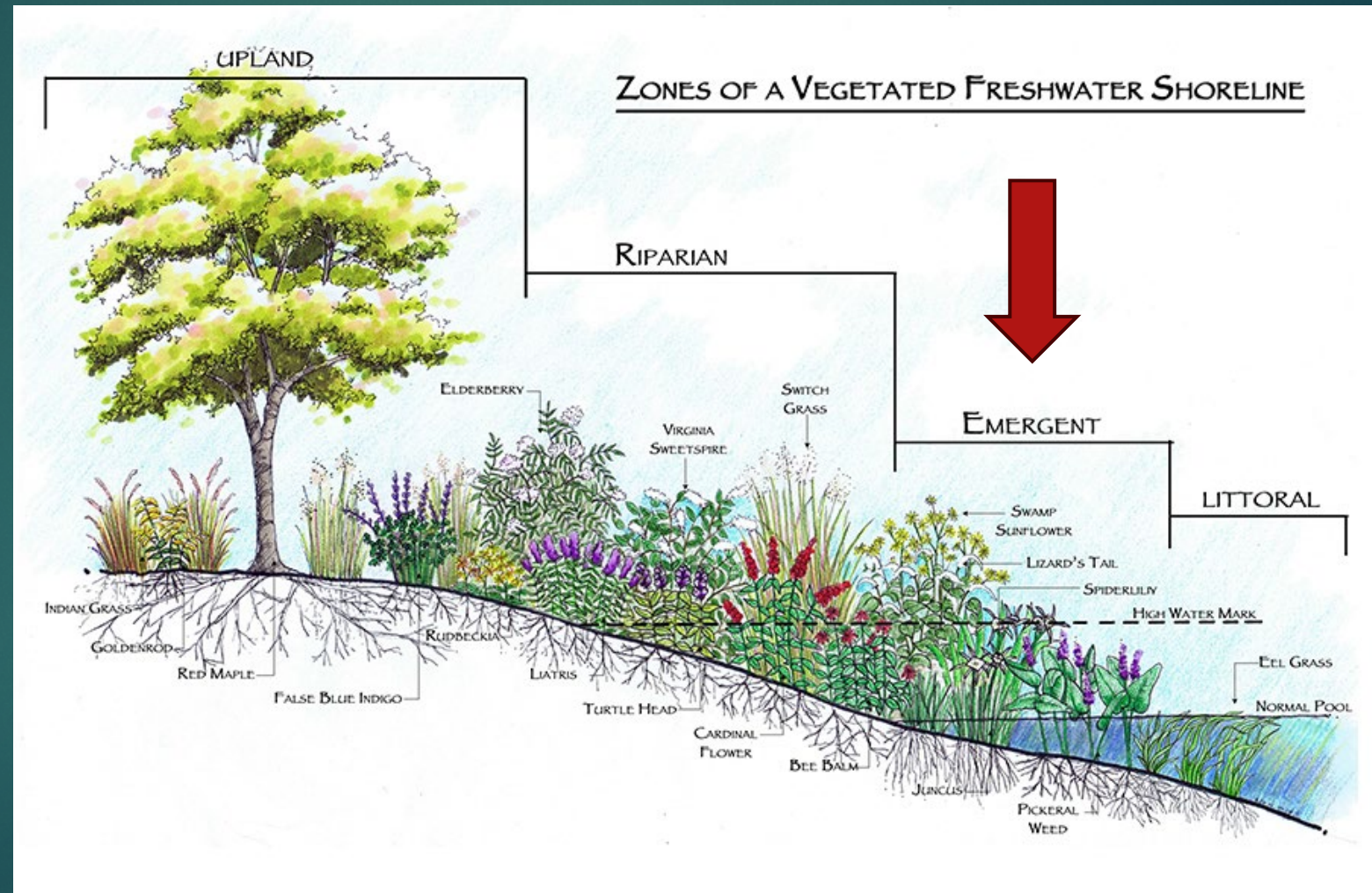


# Why Choose Native Species?

- ▶ Reduces likelihood of:
  - ▶ Loss
  - ▶ Maintenance
  - ▶ Invasion
- ▶ Increases:
  - ▶ Root structure
  - ▶ Soil retention
  - ▶ Habitat



# Emergent Zone





# Emergent Zone: Forbes

*Caltha palustris*;  
Marsh Marigold

*Asclepias  
incarnata*; Red  
or Swamp

*Chelone glabra  
and lyonia*;  
White and Pink  
Turtlehead

*Aruncus dioicus*;  
Goat's Beard





# Emergent Zone: Forbes

*Eupatorium fistulosum* and  
*maculatum*; Joe Pye Weed and  
Boneset

*Iris versicolor*; Blue Flag Iris

*Lobelia cardinalis*; Cardinal Flower







# Emergent Zone: Shrubs

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*Alnus incana*; Speckled Alder

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*Cephalanthus occidentalis*;  
Buttonbush

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*Clethra alnifolia*; Summersweet

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*Cornus sericea*; Red Twig Dogwood

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*Cornus amomum*; Silky Dogwood

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*Hypericum prolificum*; Shrubby St  
John's Wort





# Emergent Zone: Shrubs

*Ilex verticillata*;  
Winterberry



*Myrica gale*;  
Sweetgale



*Myrica pensylvanica*;  
Northern Baryberry



*Rhodora canadense*;  
Canada Rosebay





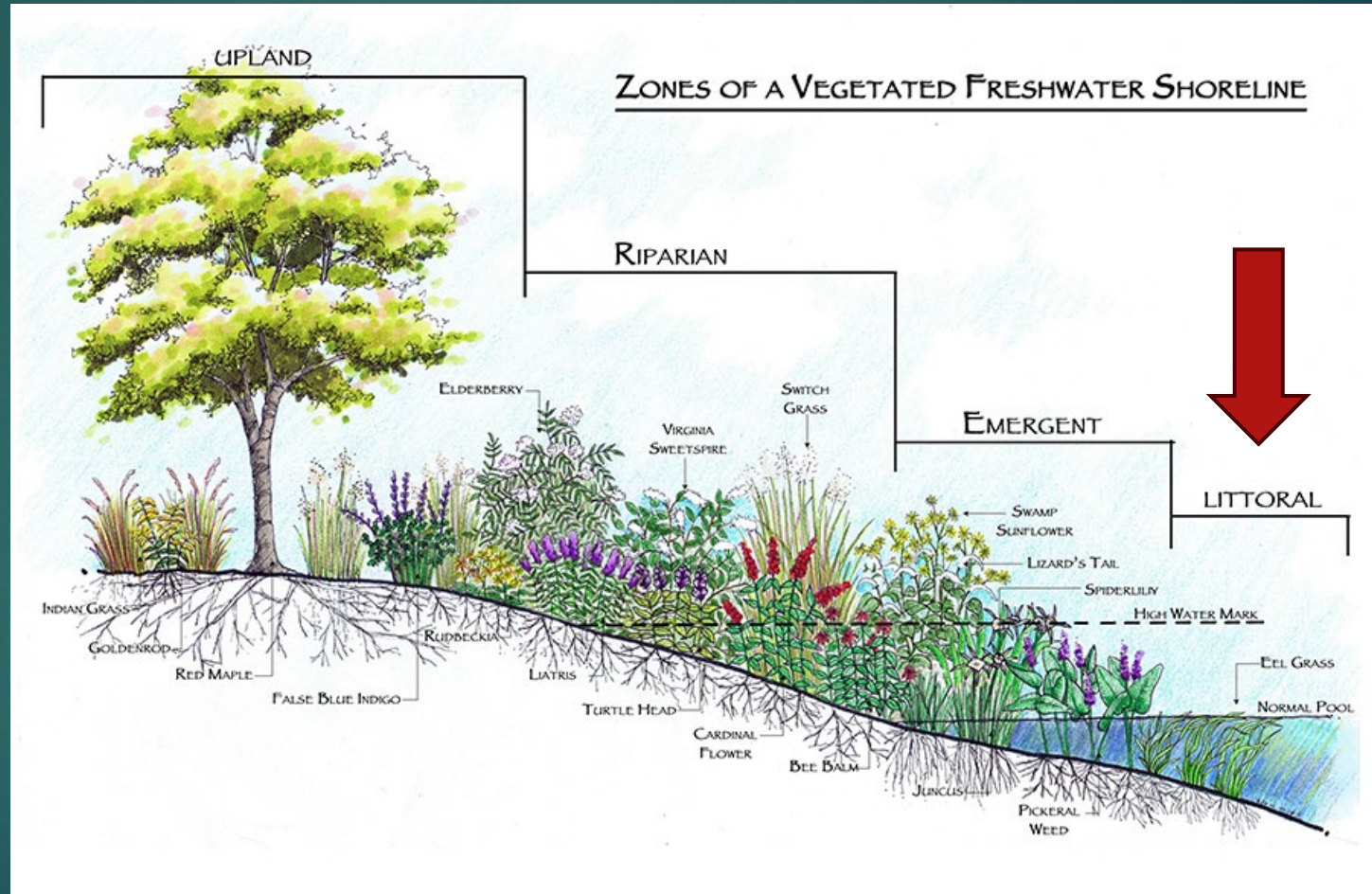
# Emergent Zone: Trees

- ▶ *Acer rubrum*; Red Maple
- ▶ *Nyssa sylvatica*; Black Gum
- ▶ *Quercus bicolor*; Swamp White Oak





# Littoral Zone





# Plants for the Littoral Zone

- ▶ *Asclepias incarnata*, Swamp Milkweed
- ▶ *Iris versicolor*, Blue Flag Iris
- ▶ *Sagittaria latifolia*, Arrowhead
- ▶ *Osmunda regalis*, Royal Fern



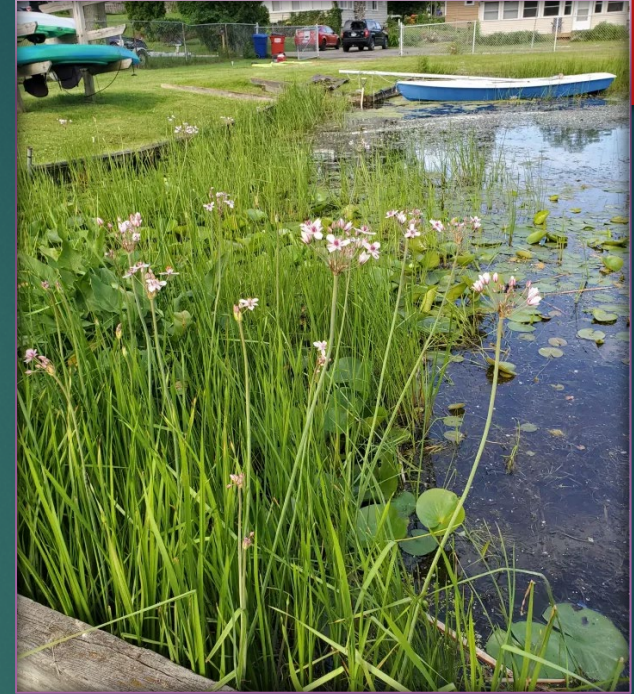


# Plants for the Littoral Zone

- ▶ *Pontederia cordata*,  
Pickeral Weed
- ▶ *Sagittaria latifolia*,  
Arrowhead
- ▶ *Vaccinium oxycoccos*,  
Bog Cranberry







Mix in Grasses, Sedges and Rushes





## Tips and Tricks for Successful Plantings in Emergent and Littoral Zones

- ▶ Do your research—not all natives are readily available to buy!
- ▶ Peat Pots
- ▶ Coir Logs
- ▶ Planting Baskets



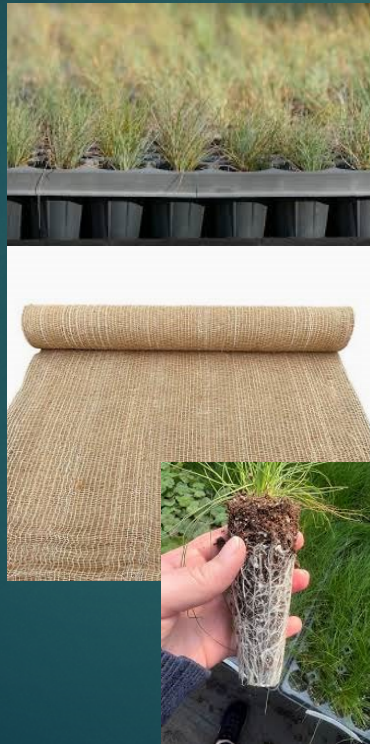


# Tips and Tricks for Successful Plantings in Emergent and Littoral Zones

Coir mats or burlap

Plug sized plants

Bareroot





# Natives, Cultivars and Non-native Plants—considerations





# Lake Project:















# Plants for Saltwater Shorelines

- ▶ *Clethra alnifolia*; Sweet Pepperbush
- ▶ *Juniperus communis*; Common Juniper
- ▶ *Juniperus virginiana*; Eastern Red Cedar
- ▶ *Myrica pensylvanica*; Bayberry
- ▶ *Panicum virgatum*, Switchgrass
- ▶ *Rosa carolina*; Carolina Rose
- ▶ *Rosa virginiana*; Virginia Rose
- ▶ *Solidago sempervirens*; Seaside Goldenrod





## Finding a Balance: Armored and Planted Shorelines Oceanfront Project





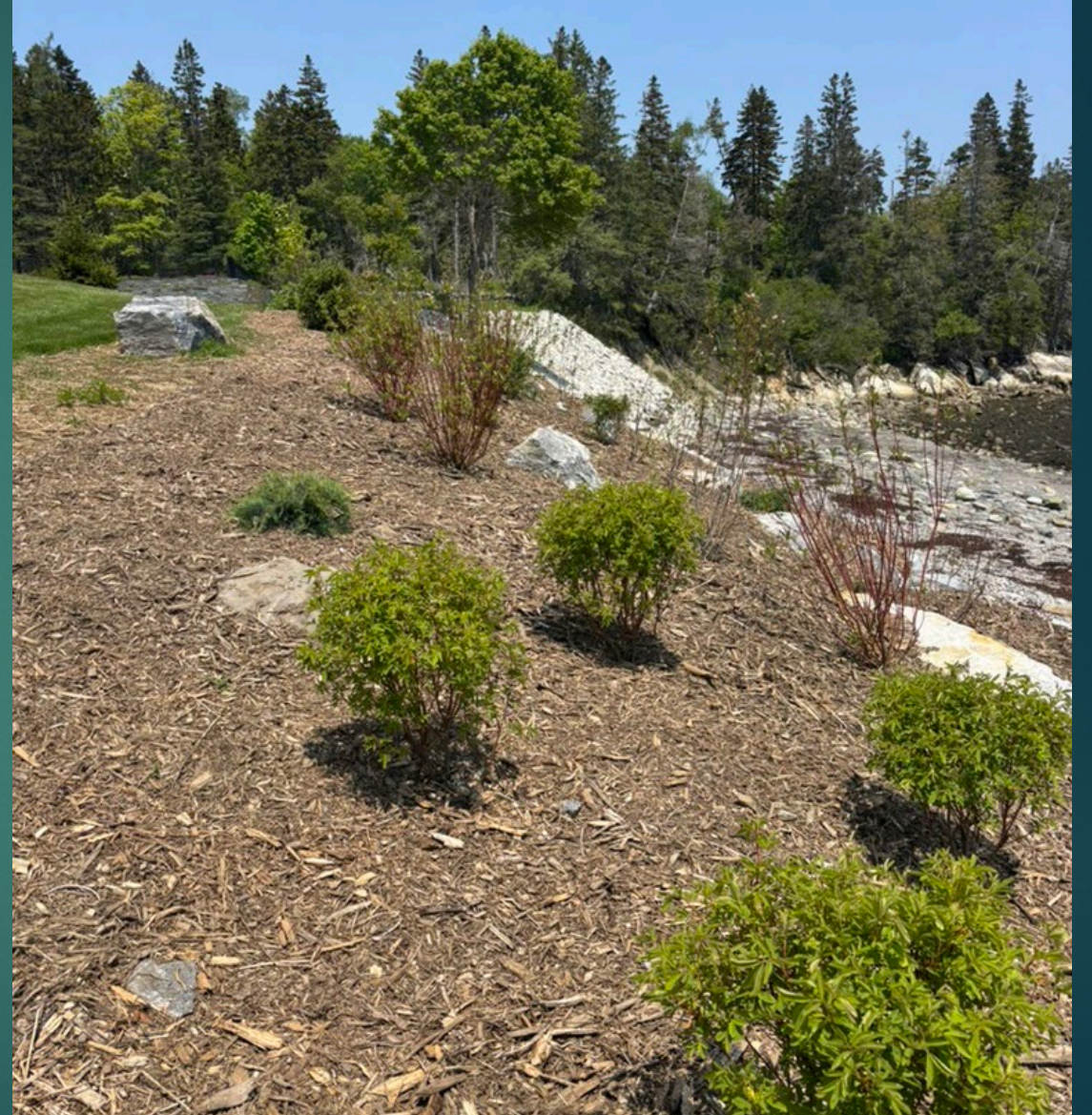














# Thank you!

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