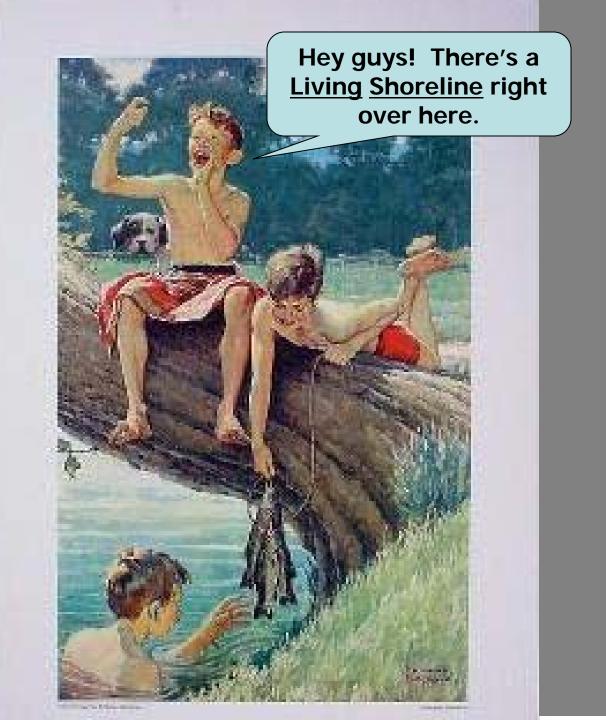


Ecosystem Restoration Services



How do we effectively incorporate habitat components into shoreline restoration and enhancment and protect from erosion at the same time?

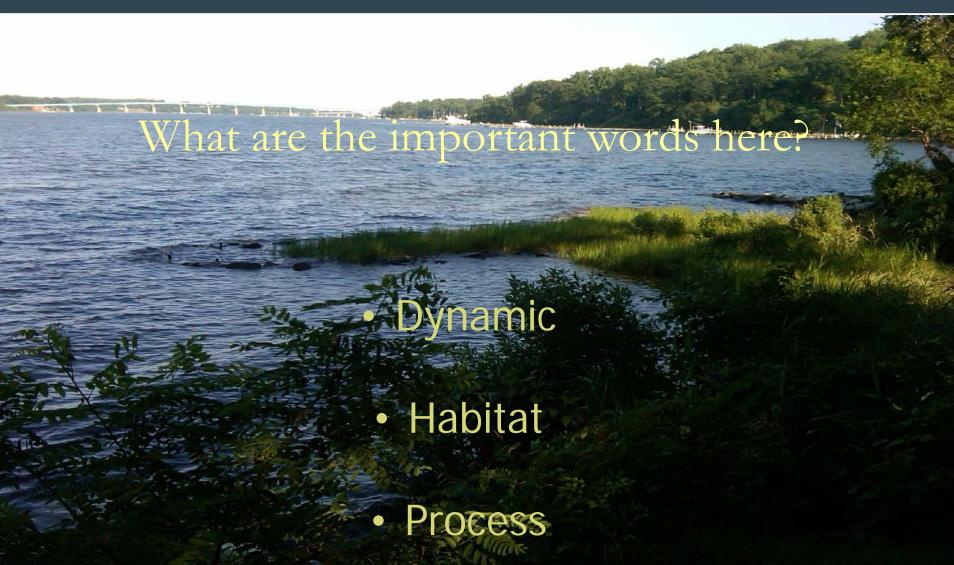




One Definition...

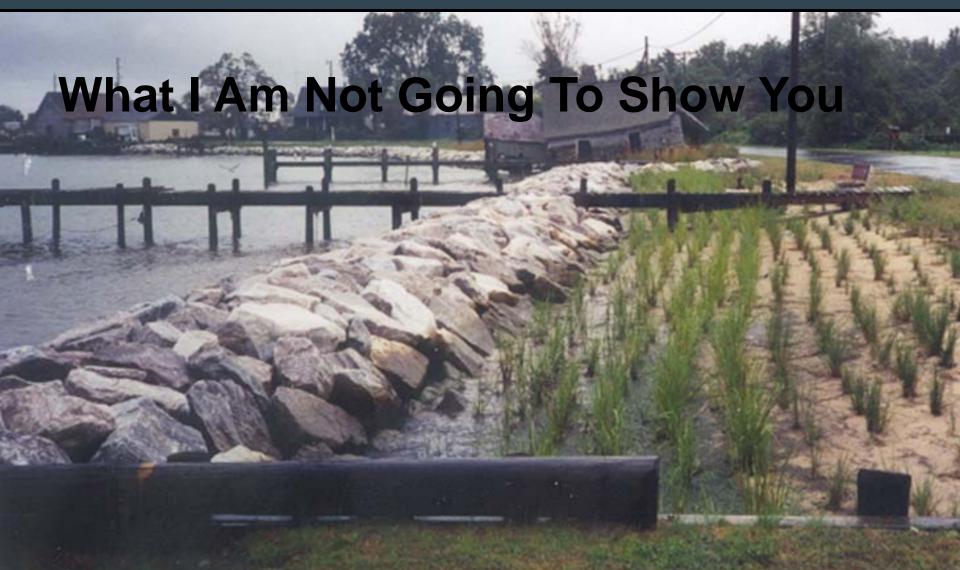
A concept that applies making principals to shoreline stabilization in order to enhance habitat and maintain dynamic shoreline process.













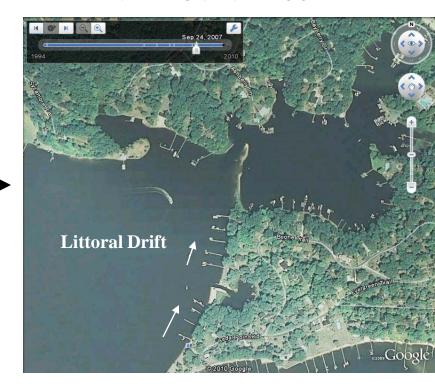
Ecosystem Restoration Services

Process

Yantz Cove - 1994



Yantz Cove - 2007













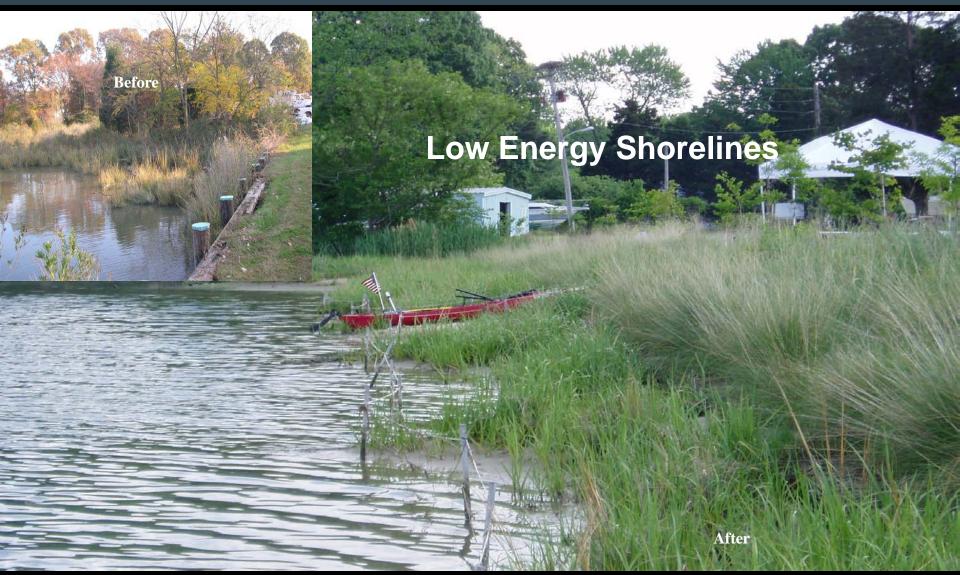




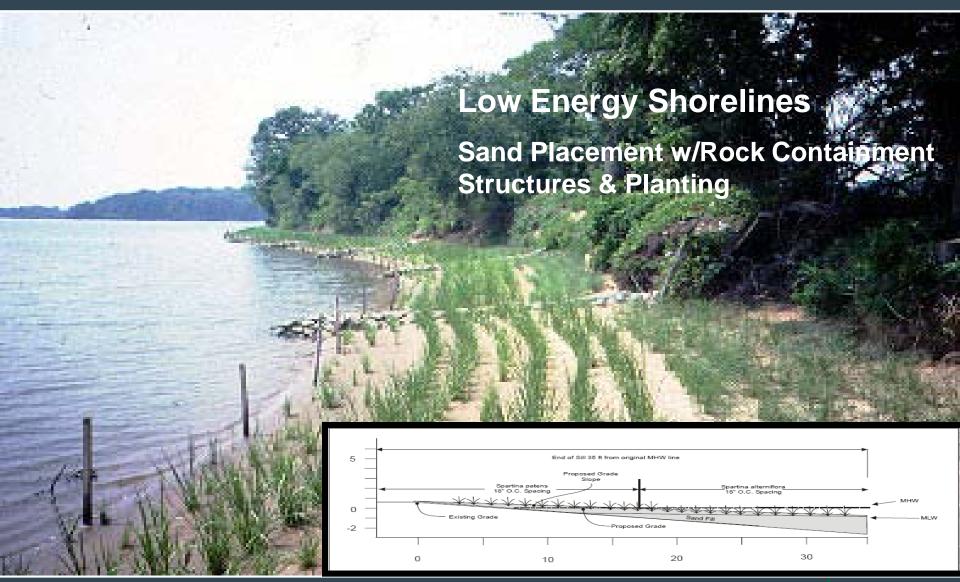








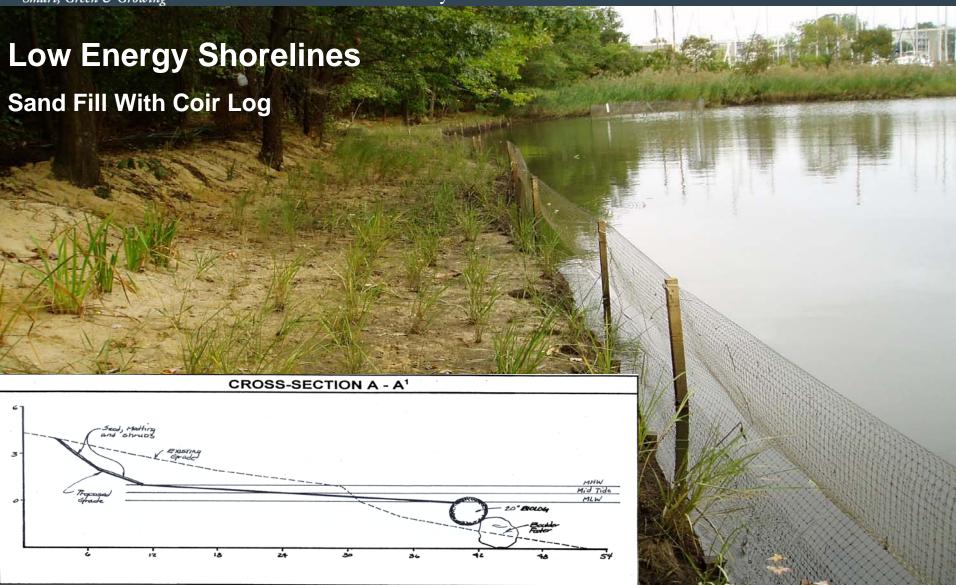


















Ecosystem Restoration Services



Medium Energy Sites

Low-Profile Gapped Sill



During Construction



6 Months After Construction



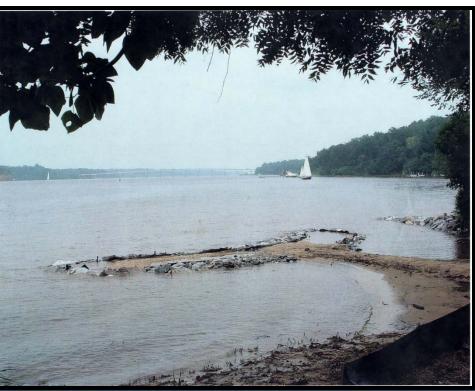


Ecosystem Restoration Services

Medium Energy Sites

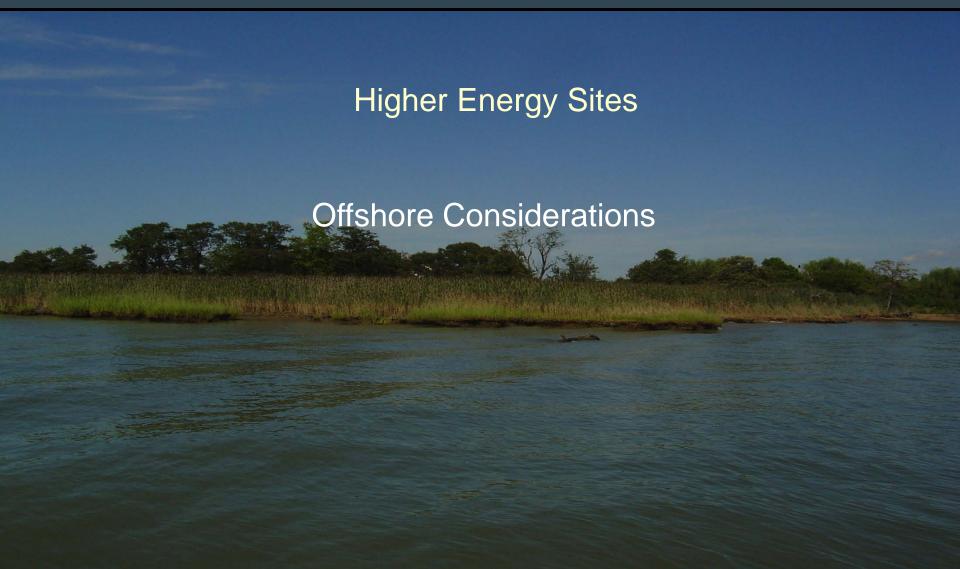
Severn River

Marsh Breakwater Project











Ecosystem Restoration Services

Oyster Bottom Survey Completed in the Early 1900's

Chester River Area



Oyster Reef in Virginia







Ecosystem Restoration Services



Riparian Vegetation Management

Bank Grading

Fiber Logs

Tidal Marsh Enhancement

Tidal Marsh Creation

Beach Nourishment & Dune Restoration

Marsh Toe Revetment

Marsh Sill

Marsh With Groins

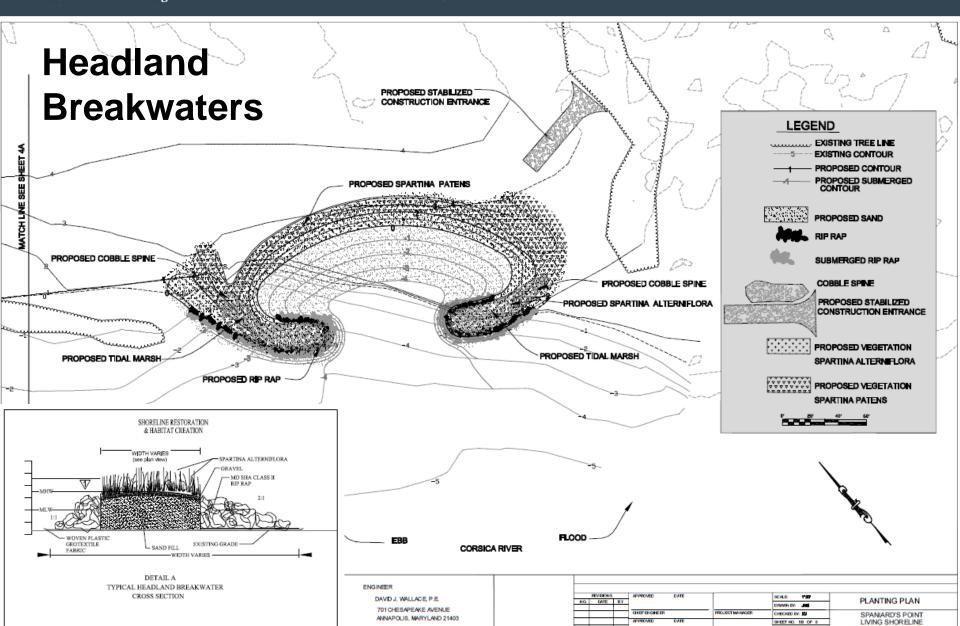
Graphic courtesy Burke Environmental Associates

Living Breakwater

Offshore Breakwater System

Oyster Reef





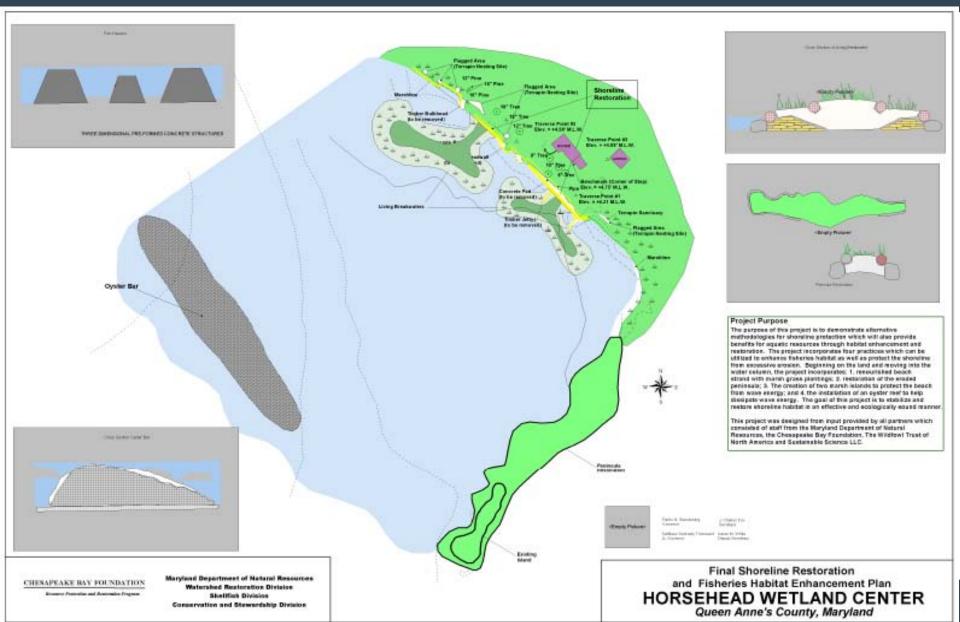














Ecosystem Restoration Services



Harcahaad Living Charolina Draigat



Ecosystem Restoration Services



Horsehead Environmental Ctr.







Ecosystem Restoration Services



During Construction

After construction





Ecosystem Restoration Services

Offshore Structures Colonized By:





Mussels, Clams, Oysters, Barnacles...





Ecosystem Restoration Services

Level of Protection vs. Habitat

