River mile 85 (from Battery Park in NYC)
¾ mile wide Hudson River
1.5 miles fetch from Northeast
6.5 mile fetch from South
2- to 4-foot tides
Regular ship traffic of barges and ocean-going vessels
Goal accomplished:

*A living “green” shoreline that blends in “naturally” with its surroundings and that invites boaters in for a rest before continuing on their way.*
Previously existing seawall near the end of its functional life

6 ft

200 ft

2002
Tides range from 2 to 4 feet
Access ramp and stone toe during construction – March 2006
“Engineered” green embankment during construction – May 2006
Ideally, this is where the story ends – but…
The aftermath of the April 2007 Nor’easter
Live Stakes and Erosion Control Mat – to the rescue!

May 2008
A happy ending thanks to:

Excellent toe protection and

Diligent maintenance .......and then came “Sandy”
Wrack-line left behind by "Sandy" 6 days earlier
Approximately 7 feet above Mean High Tide
This time the vegetation was established enough to hold the embankment – No damage whatsoever !!!!!!

11/03/2012
…… and all of this was accomplished using only

100-percent biodegradable erosion control mats!

Why use 100-percent biodegradable?

100-percent biodegradable erosion control mats do NOT ensnare snakes, birds, frogs, fish etc.

Plastic netting kills!

The snakes, birds, frogs and toads of Esopus Meadows Preserve thank Scenic Hudson for its concern!