



Department of
Environmental
Conservation

Sustainable Shorelines Designs:

Resilient Hudson River Shoreline Designs from the Climate Adaptive Design Studio

Hudson River National Estuarine Research Reserve
November 20, 2020



Agenda

2:00 Introduction and objectives - Emilie Hauser NYSDEC, Hudson River NERR and NEIWPC

2:10 Introduction to Climate Adaptive Design Studio: Libby Zemaitis NYSDEC Hudson River Estuary Program and Cornell WRI

2: 20 Piermont (Hudson River) Living Shoreline Preliminary Design Project

- Municipal/ Stakeholder Perspective, Nathan Mitchell, Chair of Piermont Waterfront Resiliency Commission and Village Trustee
- Design of Living Shoreline - David Davis and Dave Yozzo, HDR, Inc.
- Q and A answers from chat

2:50 City of Kingston - Re-envisioning Kingston Point Beach

- Municipal/ Stakeholder Perspective, Julie Noble , Sustainability Coordinator Climate Smart Community Coordinator
- Design of Kingston Point Beach, Taewook Cha, Supermass Studio
- Q and A answers from chat

3:20 Discussion and Q and A - Facilitated by Emilie Hauser and Angela Schimizzi

3:30 Adjourn - Evaluation pops up when you leave the event

Objectives

Participants will

- understand future conditions;
- creation & enhancement of habitat;
- physical, social & permit constraints;
- reasons for selection of living & structural components;
- stakeholder engagement



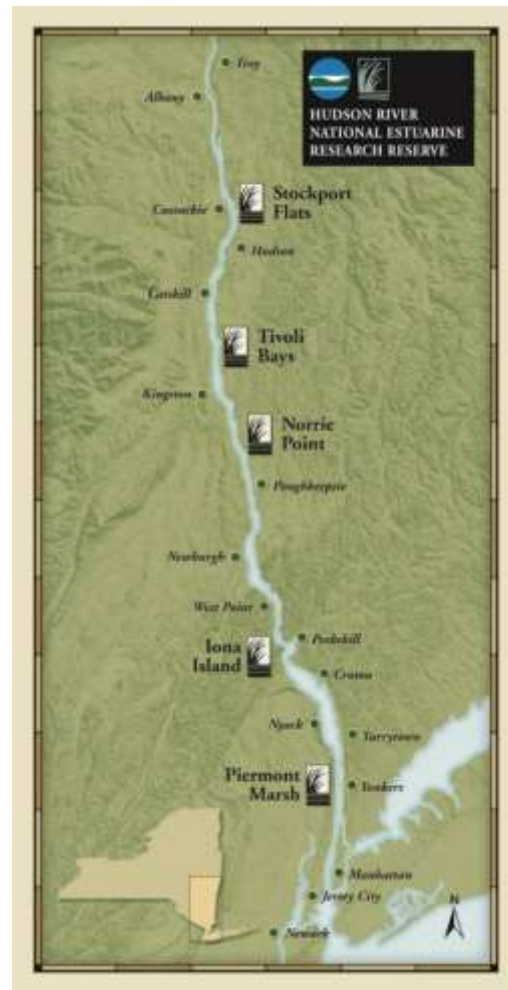
Hudson River National Estuarine Research Reserve

Find out more at:

www.dec.ny.gov/lands/4915.html

www.hrnerr.org

www.hrnerr.org/hudson-river-sustainable-shorelines/



Hudson River Sustainable Shorelines Project

Promoting choices that preserve or enhance ecology and shoreline benefits while meeting engineering needs in a changing climate.



www.hrnerr.org/ Hudson-River-Sustainable-Shorelines/



NEW YORK
STATE OF
OPPORTUNITIES

Department of
Environmental
Conservation

Hudson River
Valley Greenway



Cary Institute
of Ecosystem Studies



STEVENS
INSTITUTE OF TECHNOLOGY



Consensus Building Institute



NATIONAL ESTUARINE
RESEARCH RESERVE SYSTEM
SCIENCE COLLABORATIVE

HUDSON RIVER
SUSTAINABLE
SHORELINES

Other Resources

<https://www.hrnerr.org/ HUDSON-RIVER-SUSTAINABLE-SHORELINES>

Information and Resources Beyond the Hudson River

National/Other • Atlantic • Pacific • Central • Gulf

Shoreline Demonstration Site Network

The Sustainable Shoreline Demonstration Site Network identifies shoreline stabilization techniques that potential to maintain and enhance important ecological services, provide greater resilience to physical forces, and are cost-competitive with traditional approaches along the unique tidal estuary system of the Hudson River.

Assessing Ecological and Physical Performance

The Rapid Assessment Protocol Manual, for assessing the physical and ecological performance of engineered shoreline structures has been developed as the fourth phase of the Hudson River Sustainable Shorelines Project.

Army Corps Engineering with Nature:
Podcasts and other resources:
<https://ewn.el.ercd.dren.mil/>



Thanks for participating!

Emilie Hauser

emilie.hauser@dec.ny.gov

For PIE (landscape architect and professional engineers) and CERP credits, please complete:

<https://www.surveymonkey.com/r/CreditsNov2020>

Presentations and recording will be at:
<https://www.hrner.org/estuary-training/trainingtopic/sustainable-shorelines-designs-webinar-series/>

Please take the evaluation. It will appear when you close the webinar.



The Practicing Institute of Engineering, Inc.



Department of
Environmental
Conservation