



Publications & Resources

Many of the documents are available on the **HRSSP website**.

Project Reports:

Dalton, S. (2011). Hudson River Sustainable Shorelines Project Report: Decision Making Regarding Shoreline Design and Management. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Land Use Law Center at Pace Law School. (2011). Hudson River Sustainable Shorelines Project: Legal Framework Analysis. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

VanLuven, D. (2011). Economic Tradeoffs between Shoreline Treatments: Phase I - Assessing Approaches. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <http://hrnerr.org>.*

Dalton, S. (2012). Shoreline Use and Perception Survey Report. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Hauser, E. (2012). Terminology for the Hudson River Sustainable Shorelines Project. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Rella, A. & Miller, J. (2012a). Engineered Approaches for Limiting Erosion along Sheltered Shorelines. *In association with and published by Stevens Institute the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Rella, A. & Miller, J. (2012b). A Comparative Cost Analysis of Ten Shore Protection Approaches at Three Sites Under Two Sea Level Rise Scenarios. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Rella, A., Miller, J., LaPann-Johannessen, C., Rodriguez, E. (2015). Hudson River Wake Study. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Rella, A., & Miller, J. (2015). Forensic Analysis: Methodology Report. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580*

Rella, A., & Miller, J. (2015). Forensic Analysis: Common Project Performance Factors. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580*

Miller, J., and N. Georgas (2015). Hudson River Physical Forces Analysis: Data Sources and Methods. Stevens Institute of Technology, TR- 2946. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Georgas, N., Miller, J. K., Wang, Y., Jiang, Y. and D. D'Agostino (2015). Tidal Hudson River Ice Cover Climatology. Stevens Institute of Technology. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <http://hrnerr.org>.*

Roberts, E. (2015). Outreach and Informal Conversations with Regulators & Permit Staff: a Summary for the Hudson River Sustainable Shorelines Project. *In association with the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <http://hrnerr.org>.*

Graichen, L. (2015). Analysis of a Follow-up Survey to Determine Workshop Outcomes and Effectiveness. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Project Overview & Progress Reports:

Blair, E., Graichen, L., & Hauser, E. (2015). Project Overview. *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Blair, E. (2013). Hudson River Sustainable Shorelines Project Phase I: Mitigating Shoreline Erosion along the Hudson River Estuary's Sheltered Coasts. Final Report. Submitted to The NOAA/UNH Cooperative Institute for Coastal and Estuarine Environmental Technology (CICEET). *In association with and published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Peer-Reviewed Journal Articles:

Strayer, D.L., Kiviat, E., Findlay, S.E.G., and Slowik, N. (2015). Vegetation of riprapped revetments along the freshwater tidal Hudson River, New York. *Aquatic Sciences*, 1-10.

Strayer, D.L. & Findlay, S.E.G. (2010). The ecology of freshwater shore zones. *Aquatic Sciences*, 72: 127-163.

Strayer, D.L., Findlay, S.E.G., Miller, D., Malcolm, H.M., Fischer, D.T., & Coote, T. (2012). Biodiversity in Hudson River shore zones: influence of shoreline type and physical structure. *Aquatic Sciences*, 74, 597-610.

Georgas, N. (2012). Large Seasonal Modulation of Tides Due to Ice Cover Friction In a Mid-Latitude Estuary. *Journal of Physical Oceanography*, 3(42), 352-369.

Harris, C., Strayer, D.L., & Findlay, S. (2014). The ecology of freshwater wrack along natural and engineered Hudson River shorelines. *Hydrobiologia*, 722(1), 233-246.

Related Polar Fellow Research:

Villamagna, A., Strayer, D., & Findlay, S. (2009). Effects of surface roughness on ecological function: Implications for engineered structures in the Hudson River shore zone. Section III:

25pp. *In* S.H. Fernald, D. Yozzo and H. Andreyko (eds.), Final Reports of the Tibor T. Polgar Fellowship Program, 2008. Hudson River Foundation.

Coote, T. & Strayer, D. (2009). Gastropods of the Hudson River Shoreline: Subtidal, Intertidal, and Upland Communities. Section IV: 32 pp. *In* S.H. Fernald, D. Yozzo and H. Andreyko (eds.), Final Reports of the Tibor T. Polgar Fellowship Program, 2008. Hudson River Foundation.

Harris, C. & Strayer, D. (2011). The Ecology of Wrack: Decomposition and Use By Invertebrates On Natural and Engineered Shorelines of the Hudson River. Section IV: 1-29 pp. *In* D.J. Yozzo, S.H. Fernald, and H. Andreyko (eds.), Final Reports of the Tibor T. Polgar Fellowship Program, 2009. Hudson River Foundation.

Fact Sheets:

Managing Shore Zones for Ecological Benefits. (2011). *Published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Dalton, S. (2011). Lessons Learned: Decision Making Regarding Shoreline Design and Management. *Published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Ferguson, O. (2011). Lessons Learned: Five Case Studies of Recent Shoreline Development Projects. *Published by the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Strayer, D., Tumblety, L. (2015). Managing Shore Zones for Ecological Benefits: Handbook. *In association with the Hudson River Sustainable Shorelines Project, Staatsburg, NY 12580, <https://www.hrnerr.org>.*

Work Prior to the Sustainable Shorelines Project:

Allen, G., Cook, T., Taft, E., Young, J., & Mosier, D. (2006). Hudson River Shoreline Restoration Alternatives Analysis. Prepared by Alden Research Laboratory, Inc. and ASA Analysis and Communications, Inc. for the Hudson River National Estuarine Research Reserve.

Miller, D., Bowser, C., & Eckerlin, J. (2006). Shoreline Classification in the Hudson River Estuary, unpublished, NYSDEC Hudson River National Estuarine Research Reserve.

Hudson River Estuary Shorelines Workshop: Soft Engineering Solutions to Shoreline Stabilization. March 23, 2006. NYSDEC Hudson River National Estuarine Research Reserve.

Demonstration Site Network:

- Coxsackie Boat Launch
- Harlem River Park (New York, NY)
- Hunts Point Landing (New York, NY)
- Habirshaw Park and Tidal Marsh (Yonkers, NY)
- Esopus Meadows Preserve
- Foundry Dock Park (Cold Spring, NY)
- Athens Fourth Street Kayak and Canoe Launch

Demonstration site assessment forms

- [Finished Project: Demonstration Site Assessment for the HRSSP Site Network](#)
- [Planned Project: Demonstration Site Assessment for the HRSSP Site Network](#)

Geospatial Data and Tools:

- Hudson River Estuary Shoreline Type
- Hudson River Ice Climatology
- Hudson River Estuary Flow Model
- New York Harbor Observing and Prediction System:
- Rapid Assessment Tool: Shore Zone Condition and Ecological Function

Training Resources:

Conference: Regional (NY-NJ-DE) Dialogue to Advance Sustainable Shorelines along Sheltered Coasts (October 4, 2013, Rutgers University, New Brunswick, NJ).

NOAA NERRS Living Shorelines Webinar Series (2013 to 2014).

Workshop: Applying the Findings of the Hudson River Sustainable Shoreline Project (July 23, 2014, Norrie Point Environmental Center, Staatsburg, NY).