



RESTORE
AMERICA'S
ESTUARIES

Living Shorelines: National Perspective and the Living Shorelines Academy

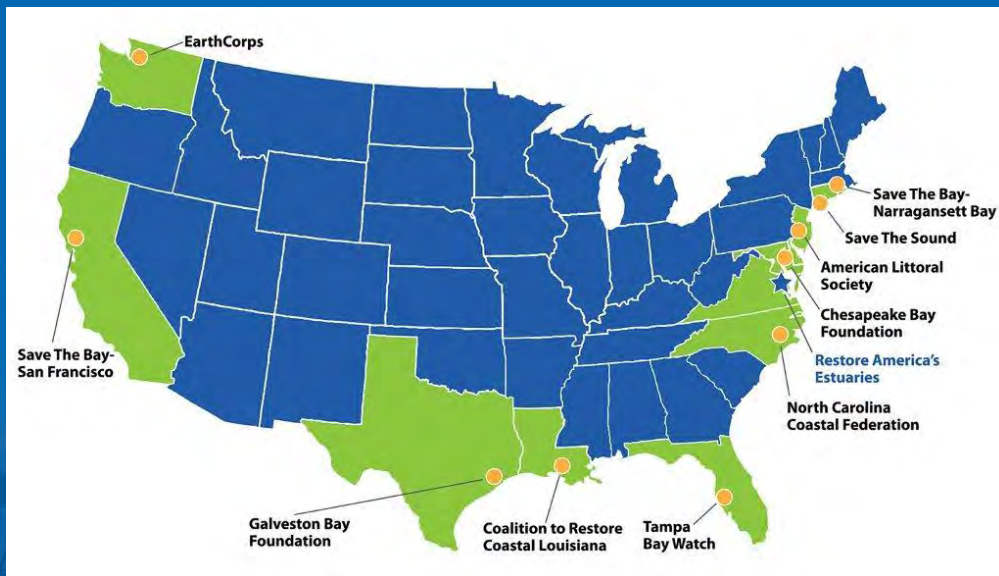
ASPA Conference

March 20, 2017

Who We Are



Restore America's Estuaries is dedicated to the protection and restoration of bays and estuaries as essential resources for our nation.



www.estuaries.org

What are Living Shorelines?

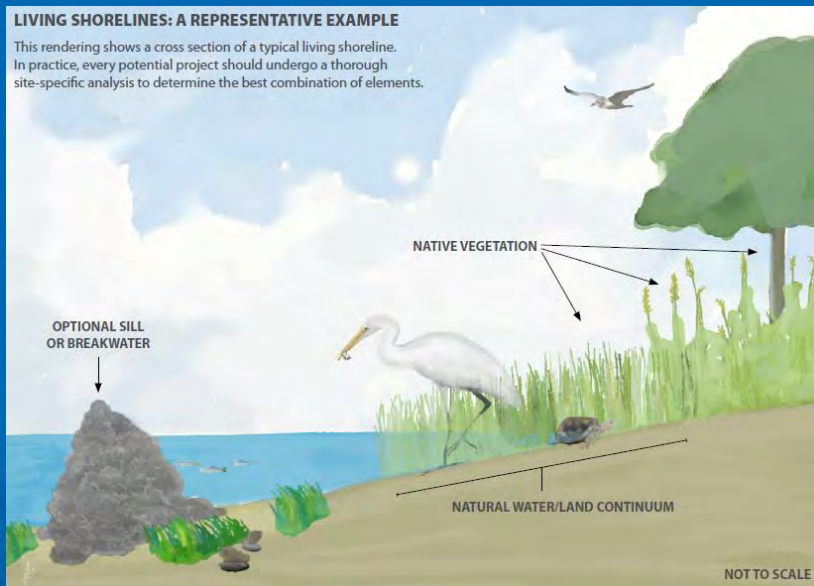
Living Shorelines: From Barriers to Opportunities

- Definition:

Any shoreline management system that is designed to protect or restore natural shoreline ecosystems through the use of natural elements and, if appropriate, manmade elements. Any elements used must not interrupt the natural water/land continuum to the detriment of natural shorelines ecosystems.

LIVING SHORELINES: A REPRESENTATIVE EXAMPLE

This rendering shows a cross section of a typical living shoreline. In practice, every potential project should undergo a thorough site-specific analysis to determine the best combination of elements.



...and there are a LOT of terms



Soft Stabilization

Nature-Based Shoreline
Management

Soft Armoring

...and the list goes on...

Bottom Line: Every site is different, so every project is different. We're working to implement methods and approaches that increase the habitat value while managing shorelines.



Edenton, NC

Credit: Tracy Skrabal

They Work!

Erosion Protection



Image Credit: Dr. Rachel Gittman, Northeastern University

They Work!



RAE's Living Shorelines Efforts



- *Living Shorelines: From Barriers to Opportunities*
- Living Shorelines video
- Living Shorelines Summit
- National Technology Transfer Meetings
- Community of Practice
- Regional Workshops and...

Check out the video!



LEARN ABOUT LIVING SHORELINES

Learn about living shorelines – what they are, how they are designed and built, and how they serve our coastal habitats and communities. Whether you are a property owner looking for alternatives to mitigate erosion on your shoreline property, or a contractor or a policy maker looking to gain more in depth knowledge about the design and permitting of living shorelines, on this site you can find a course, project databases, literature and additional resources to help you achieve those goals.

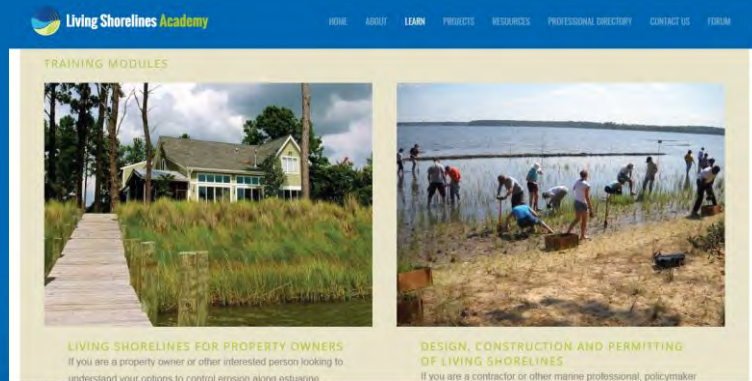
[LEARN MORE](#)

Available at www.livingshorelinesacademy.org

LSA Website Components



- Two training modules: lay persons and professionals
- National database of LS project databases
- National database of highlighted LS projects
- Database of literature
- Catalogue of existing living shoreline resources
- Searchable database of professionals
- Interactive Forum



In-Person Meetings



- LS Summit: Hartford, CT – December 2015
- Southeast workshop: Jacksonville, FL – April 2016
- Gulf workshop: Galveston, TX – November 2016
- RAE-TCS Summit workshop: New Orleans, LA – December 2016
- Northeast workshop: May 2016
- Pacific Northwest workshop: TBD

Why This Matters



- They work!
- Provide alternatives that stabilizes a shoreline, fosters habitat, and supports economies
- Cost effective
- Gives communities more options to manage their shorelines
- Great outreach & engagement



What You Can Do



- Be role models – install demonstration projects on public properties
- Champion softer approaches
- Change laws and regulations that ideally favor, but at least put these techniques on equal footing, as hardened options
- Educate your colleagues, staff, and leadership regarding living shorelines
- Use the Living Shorelines Academy and add to it!

Partners



For More Information...



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www.livingshorelinesacademy.org