

Envisioning a Living Shoreline at Hollywood on Severn

<https://severnriver.org/restoration-projects/hosia/>

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Severn River
~ASSOCIATION~

Severn River Association (SRA)

VISION

A thriving Severn River by 2050

MISSION

Connect the people who live, work, and play on the Severn River to **Restore** and **Protect** it for all of our communities

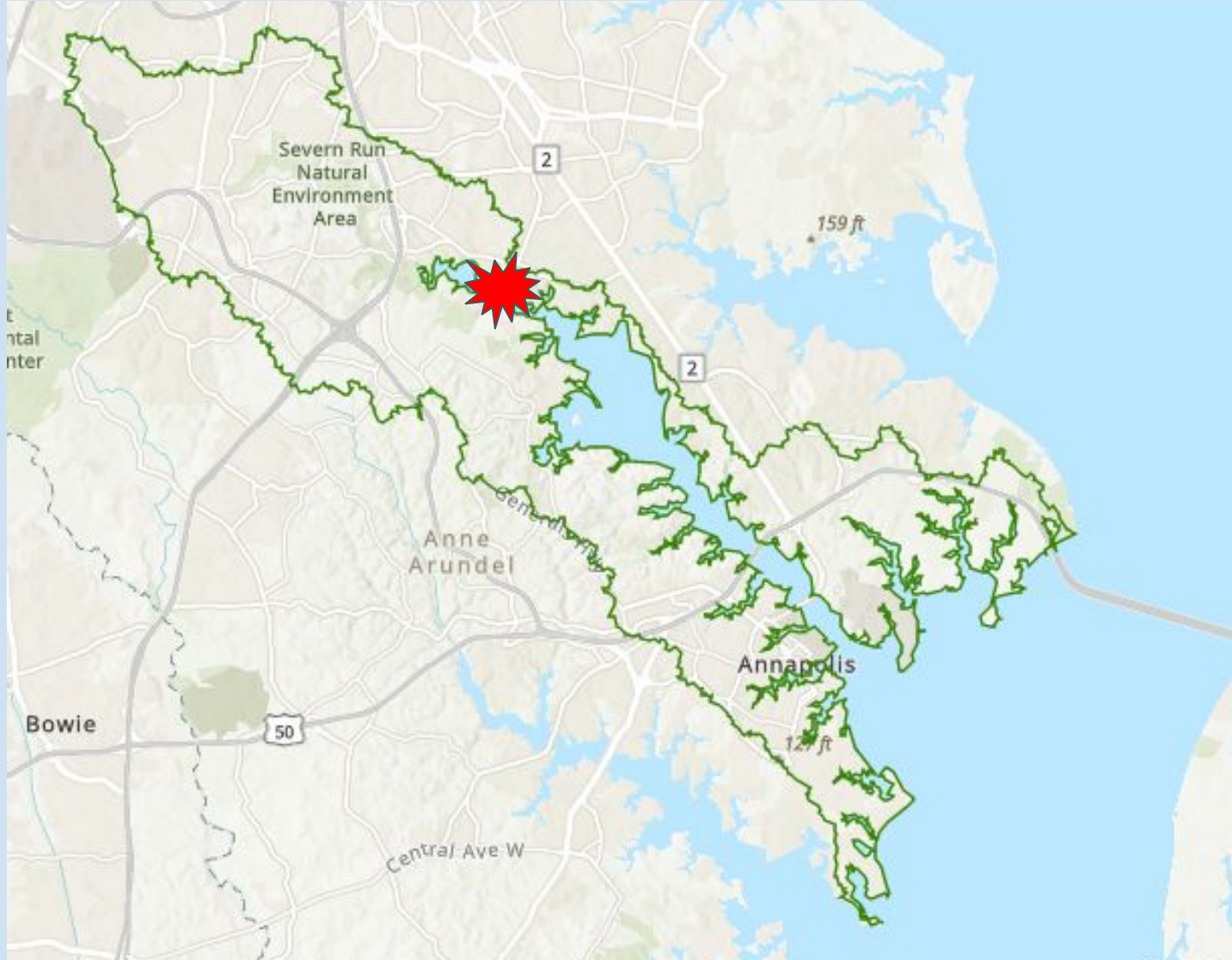
VALUES

- COMMUNITY-CENTERED
- DATA-DRIVEN
- COLLABORATIVE
- PASSIONATE

Severn River Watershed Is Large!

81 sq miles
~70 sub-watersheds

 Hollywood-on-Severn



The Challenge of a Failing Bulkhead

Protecting

- shoreline
- property values
- community spaces
- small boat access



Living Shorelines Protect Shorelines

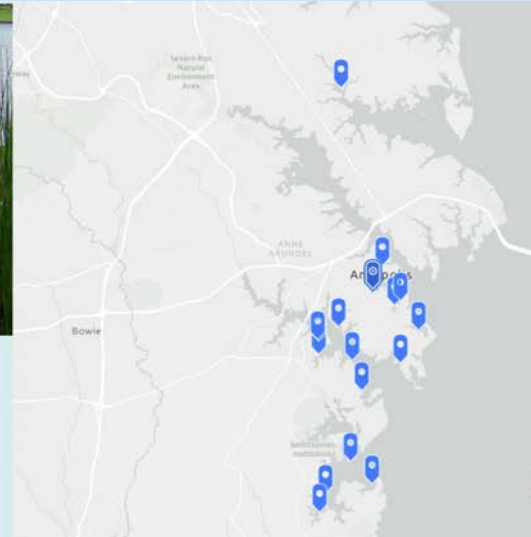
Living shorelines can:

- Solve typical erosion problems found on the Severn River
- Protect shoreline & cliffs from storm & powerboat wakes
- Rebuild natural sandy shorelines that are affected due to storms, rising sea level, and wave energy.



Truxtun Park Living Shoreline

This project funded the City of Annapolis Recreation and Parks Department Truxtun Park shoreline stabilization and wetlands creation project. This project involved establishing a wetland zone to capture and confine soils from chronically eroding steep and undercut slopes bordering Spa Creek.



As a bonus, living shorelines create habitat for fish & waterfowl

For more examples, see:

<https://storymaps.arcgis.com/stories/edc3cc67b37f43a5a815202f81768911>

or visit Truxton Park and Back Creek!



SRA installed a living shoreline in West Severna Park

Before (June 2020)



Volunteer Planting Day



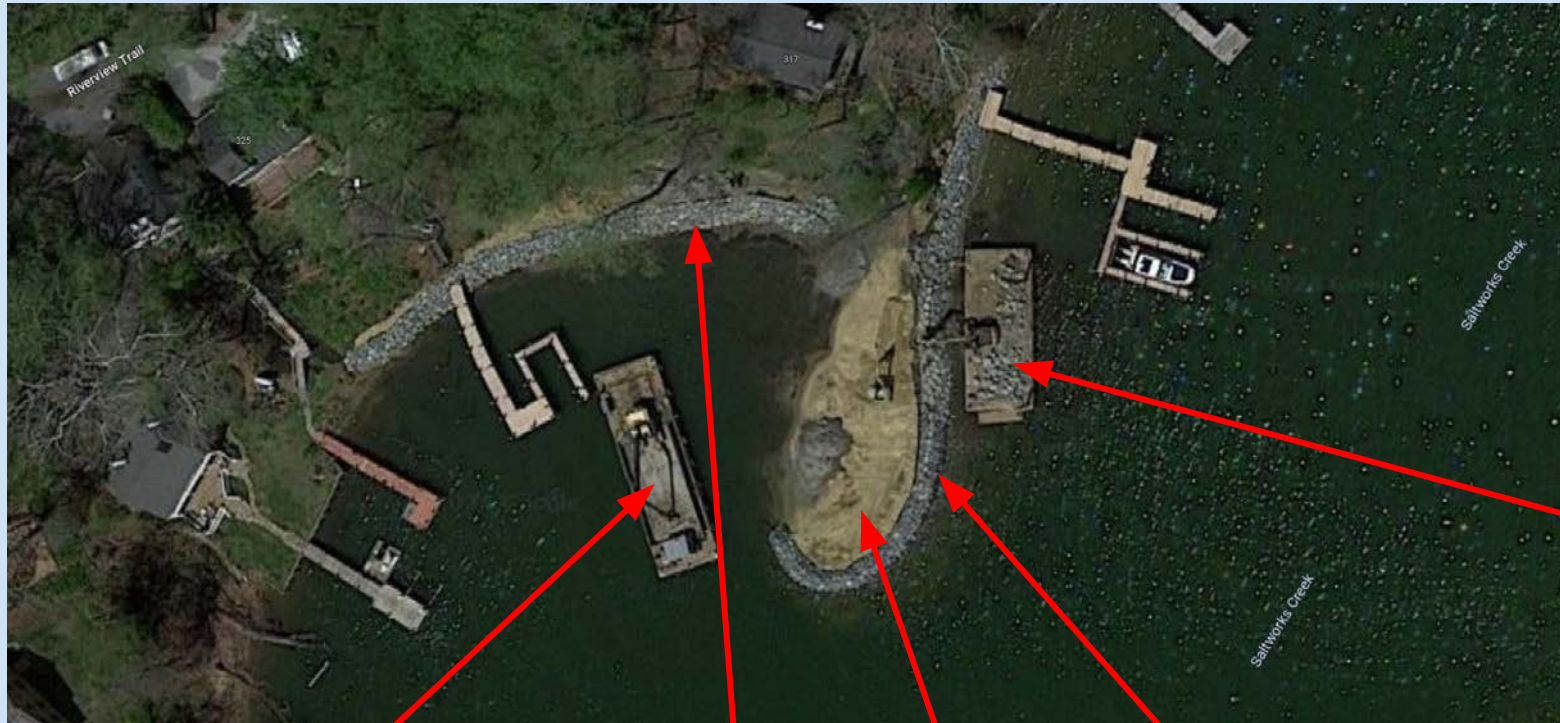
After



Sept 2020

Aug 2021

Living Shoreline Construction Epping Forest, Saltworks Creek



Construction
by barge

Construction
by barge

Protective
rock sill

Sand, soil,
now planted

Protective
rock sill

SRA may be able to help!

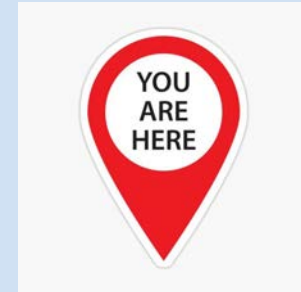
- We are experienced in securing grant monies and successfully managing similar grants
- As a 501(c)3
 - We are able to obtain grant monies whereas a community association may not be eligible
 - *Any matching funds you provide are tax deductible*

SRA follows a 4 step process:

1. Identify community interests
2. Design & Permitting
3. Construction
4. Maintenance

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- 1. Identify community interests**
2. Design & Permitting
3. Construction
4. Maintenance



Identifying interest in Hollywood On Severn

1. This meeting! Let's talk!

Email: ben@severnriver.org

Calendar: www.calendly.com/benfertig

2. <https://severnriver.org/restoration-projects/hosia/>

SRA follows a 4 step process:

1. Identify community interests
2. Design & Permitting
3. Construction
- 4. Maintenance**

Understanding and Committing to County Maintenance MOU is critical first step

- Post construction, 1st 5 years maintenance by SRA.
- After 5 yrs, responsibility transfers to HOSIA
- Survival of 85% of planted vegetation & can't remove it
- County verify/inspect, right of access runs w/ land
- County gets the WQ improvement credits
- County provides structural maintenance (anything big)
- Maintenance incl aesthetics, trash removal
- Can't alter the project post construction (w/o approval)

SRA follows a 4 step process:

1. Identify community interests
- 2. Design & Permitting**
3. Construction
4. Maintenance

Design & Permitting Process

- With HOSIA input, SRA write proposal to Chesapeake Bay Trust (CBT) for the Watershed Assistance Grant Program (WAGP), due Dec 2024
 - request up to \$100K
- With HOSIA input, SRA solicit & select a design contractor
 - Design: ~6-8 months
 - Permitting: ~9 months
 - Construction: 6-8 weeks

Design & Permitting Process (cont.)

- **Task 1: Surveys - Current conditions, project constraints**
 - High level of community input here during this task!
- **Task 2: 30% Design - Concept with some more details than we have now**
 - Moderate level of community input during this task - we want to get the big picture to be firm
 - This step may be iterative

continued →

Design & Permitting Process (cont.)

- **Task 3: 60% Design - More details, shows feasibility, cross-sections, sequence for construction**
 - Lower level of community input by end of task - we want things pretty much as they will be so we can get permits
 - This step may be iterative.
- **Task 4: 100% Design - Completes the design, addresses**
 - By end of task, design should be the way it will be implemented with only surprises changing what happens

Anticipated Timeline

Winter/
Spring
2024

- **Winter/Spring 2024** - SRA solicits design contractors, conducts site visits, & with HOSIA input selects design contractor.

Anticipated Timeline



- **Win/Spr 2024** - Select contractor
- **December, 2024** - Deadline for SRA submission of proposal to Chesapeake Bay Trust

Anticipated Timeline



- **Win/Spr 2024** - Select contractor
- **December 2024** - Proposal due
- **March 2025** - Hear if proposal is funded. If funded, design begins. If not, identify alternative funding source.

Anticipated Timeline



- **Win/Spr 2024** - Select contractor
- **Dec 2024** - Proposal due
- **Mar 2025** - Funded?
- **Nov 2025** - Design work completed, permit applications, begin writing proposal for construction funding.

Anticipated Timeline



- **Win/Spr 2024** - Select contractor
- **Dec 2024** - proposal in
- **Mar 2025** - Funded?
- **Nov 2025** - Design done, permits, construction funding
- **March 2026** - Proposal submission for construction funding.

Anticipated Timeline



- **Win/Spr 2024** - Select contractor
- **Dec 2024** - proposal in
- **Mar 2025** - Funded?
- **Nov 2025** - Design done, permits, construction funding
- **Mar 2026** - Construction proposal submitted
- **July 2026** - Hear if construction is funded. If so, construction begins.

Anticipated Timeline



- **Win/Spr 2024** - Select contractor
- **Dec 2024** - proposal in
- **Mar 2025** - Funded?
- **Nov 2025** - Design done, permits, construction funding
- **Mar 2026** - Construction proposal submitted
- **Jul 2026** - Construction funded?
- **September 2026** - Construction completed, SRA begins maintenance for 5 yrs

Anticipated Timeline



- **Win/Spr 2024** - Select contractor
- **Dec 2024** - proposal in
- **Mar 2025** - Funded?
- **Nov 2025** - Design done, permits, construction funding
- **Mar 2026** - Construction proposal submitted
- **Jul 2026** - Construction funded?
- **Sep 2026** - Construction done, SRA maintains for 5 yrs
- **September 2031** - Maintenance responsibility transfers to HOSIA.

Community Matching Funds

- Not technically required, but \$10K-\$20K strongly recommended
 - **E.g. AACo Watershed Restoration** 30 awards since 2017. All had matching funds, averaging \$19,161
 - **Anything above this is very helpful icing on the cake**
 - **Can be relative to design cost**
- Cash match shows “skin in the game” and commitment to the project, and makes it more cost-effective for grantors.
- In-kind services also helpful (volunteer services, materials, etc.)

In-Kind Services: Ways You Can Help

Community support is critical to project success!

Options include:

1. Allow use of a portion of your land for the project.
2. Allow use of your land to access the site.
3. Volunteer to help plant and/or maintain project plantings.
4. Install a rain barrel to capture and slow down stormwater coming off your roof.
5. Install a rain garden on your property.

Questions? Discussion?

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