Maryland, Virginia, and D.C.

Living Shoreline Initiative

Request for Pre-Proposals and Application Instructions

www.chesapeakebaytrust.org / 410-974-2941

AT A GLANCE

The Living Shoreline Initiative is designed to encourage the installation and understanding of "living shorelines" in **Maryland, Virginia, and Washington, D.C**. Living shorelines protect shorelines from erosion while also providing critical bay habitat for fish, crabs, and other wildlife. Implementation projects are preferred, but design requests are eligible.

NEW APPLICATION PROCESS!

In this Application Package:

Section 1: Application Instructions
Section 2: Guidance for Site Plans

Deadline:
Pre-proposal
5 p.m., February 17, 2012

Final proposal, if requested
5 p.m., April 2, 2012

Submit Your Application Online:
www.cbtrustgrants.org

Introduction

The Chesapeake Bay Trust, the National Oceanic and Atmospheric Administration (NOAA) Restoration Center, the Maryland Department of the Environment (MDE), and the Maryland Department of Natural Resources (DNR) are soliciting proposals to create and promote living shorelines in the **Maryland, Virginia, and Washington, D.C.,** portions of the Chesapeake Bay. "Living shorelines" are defined as shoreline stabilization techniques that use natural habitat elements to protect shorelines from erosion while also providing critical habitat for bay wildlife. The funding partners invite non-profit organizations, community associations, academic institutions, and state and local governments to submit applications for the Living Shoreline Initiative grant program.

The area where land and water intersect is important to the health of the Chesapeake Bay. When protected in its natural state or reestablished through restoration efforts, these shoreline areas trap sediment, filter pollution, and provide important habitat for both aquatic and terrestrial wildlife, such as blue crabs and fishes in their critical early life-history stages. In an attempt to combat erosion, many shorelines have been hardened over time with artificial shoreline armor such as riprap revetments and bulkheads. These artificial structures decrease the ability of a shoreline to provide natural habitat and to serve other roles beneficial to the health of the Bay and its rivers.

In the past few decades, shoreline protection techniques have been developed that provide both erosion control and natural habitat functions. These living shoreline techniques incorporate materials that include marsh plantings, shrubs and trees, low profile sills and breakwaters, strategically placed organic material, and other techniques that recreate the natural functions of a shoreline ecosystem.

This funding initiative is designed to reverse the trend of shoreline hardening by encouraging the creation of living shoreline restoration projects and by enhancing public awareness about the benefits of living shorelines.

As part of an effort to more fully engage underrepresented groups in its environmental work, the Trust encourages projects that increase awareness and participation of communities of color.

Goals of the Living Shoreline Initiative

- Create living shoreline restoration projects on public property, on shared community property, or on private property (see "Eligible Projects" below) with demonstration value to serve as models for others to replicate;

- Support projects that result in meaningful restoration of habitat for the benefit of commercially and recreationally important marine and estuarine organisms;

- Educate landowners, public agencies, contractors, and regulators about the benefits of living shorelines and the process and techniques used to establish these projects;

- Expand the capacity of landowners, public agencies, local governments, contractors, watershed organizations and others to install living shorelines;

- Encourage the adoption of living shoreline projects broadly and, when possible, build on ongoing efforts to advance living shorelines on a watershed-wide basis;

- Involve volunteers and students in the creation of living shoreline projects, where appropriate; and,

- Leverage other public and private funds and in-kind contributions for living shorelines that might otherwise have been applied to hard shoreline armor (see Eligible Projects section below).

Potential Project Examples

- Design of living shoreline restoration projects that either replace existing bulkheads and/or riprap revetments or that protect eroding banks with tidal wetland creation.

- On-the-ground implementation of shoreline restoration projects that replace existing bulkheads and riprap revetments with living shorelines;

- On-the-ground implementation of living shoreline restoration projects that protect eroding banks, reduce erosion, and restore tidal wetlands, preventing the need for installation of traditional armor;

Living shoreline projects may include elements of natural wetland vegetation, buffer plantings, and non-structural bank stabilization materials, as well as structural elements including low-profile off-shore sills, breakwaters, or groins where appropriate. Projects should be designed with both erosion protection and bay habitat goals in mind.

Before applying, applicants are strongly encouraged to contact Trust, NOAA Restoration Center, DNR, and/or MDE staff for guidance on design issues. Additional guidance on contacting program staff is below.

The funding partners will consider, in certain cases, requests for other projects elements including:
- Outreach activities, such as workshops and forums, that help educate citizens about the benefits of this practice and improve capacity of individuals and organizations to install living shorelines will be considered.
- Monitoring of living shorelines projects to demonstrate their value in protecting shorelines and providing habitat benefits for fish and wildlife species.

Application and Award Process

In an effort to make our application process easier and to allow grant assistance at earlier stages in project development, funding partners offer a new application process. Applicants may apply with or without existing designs. Funding partners may choose to fund design costs, construction costs, or both.

The information requested below will be due by the pre-proposal deadline of February 17, 2012. Funding partners will notify applicants if additional information is necessary to make a determination on their request by March 5, 2012. The deadline to submit the additional information as part of the final application package will be April 2, 2012.

Pre-proposal Track 1: Applicants submitting without proposed designs:

Applicants must submit by February 17, 2012:
- Photo(s) of the site
- Vicinity map of the site
- A support letter for the project signed by the property owner. This letter should include a commitment of any cash or in-kind match that is offered to the project. For some property types, match is required (see below.)
- Identification of the party responsible for maintenance and a description of maintenance plan
- A description of the project
- A rough conceptual sketch of the intended project
- Answers to the additional application questions listed below

Funding partners may decline to support the project; may support only the design phase of the project; or may support both the design phase of the project and the implementation phase of the project, with the implementation phase contingent upon approval of the final design plan and all relevant permit approvals. Funding partners will be involved as a project partner in the design phase and, if funded, the construction phase.

Pre-proposal Track 2: Applicants submitting proposed designs:

Applicants must submit by February 17, 2012:
- Photo(s) of the site
- Vicinity map of the site
- A support letter for the project signed by the property owner. This letter should include a commitment of any cash or in-kind match that is offered to the project. For some property types, match is required (see below.)
- Identification of the party responsible for maintenance and a description of maintenance plan
- A description of the project
- Site plans, including plan view and elevation/cross section view(s), See Section 2: Guidance for Site Plans, below. (All pages of the site plans must be signed by the landowner.)
- An indication of whether or not project applicant would consider design modifications, if recommended by funding partners
- Answers to the additional application questions listed below

The following are not required to be submitted by February 17, 2012, but may lead to a more favorable review and would be contingencies of a grant award:
- Cost Estimate if known. If not submitted with the pre-proposal, funding partners may request the information to be submitted by April 2, 2012. Funding will not be ultimately released to successful applicants without submission of detailed budgets based on quantity break-outs.
- A description of the process by which a contractor will be selected if known
- Permits status. Permits need not be in-hand; however, those projects for which the permit process is more advanced will be ranked more highly in the readiness to proceed criterion

Funding partners may: decline to support the project; support implementation of the project according to the plans as submitted; request modification to the proposal or design to be resubmitted by April 2, 2012 for re-review; or suggest that the applicant reapply in a future funding round after significant modifications are made.

Both Tracks: Applications will be evaluated based on the following criteria:

- appropriateness of the site (appropriateness for the technique, demonstration/outreach potential);
- potential ecological benefit;
- landowner willingness
- readiness to proceed
- match/leveraged resources

All applicants are strongly encouraged to contact Trust, NOAA Restoration Center, MDE, and/or DNR staff prior to the application deadline in order to allow maximum time possible for guidance and, if deemed appropriate, a potential site visit.

Eligible Project Sites

Site characteristics: Living shorelines are appropriate restoration techniques at sites that demonstrate two main characteristics: 1) Sites that are experiencing erosion, and 2) Sites that are, have been, or are near areas of wetland/marsh vegetation. If a shoreline is not experiencing erosion, but instead is stable or accreting, a living shoreline is not necessary. If a site is not an appropriate wetland habitat, a living shoreline may not be the proper solution. Information about shoreline type and erosion can be obtained from www.dnr.state.md.us/ccp/coastalatlas/shorelines.asp. You will be asked to discuss each of these characteristics in your proposal narrative.

Property ownership: Though preference will be given to projects on public property, on property owned by non-profit 501(c)(3) organizations, and on community property, projects on individually owned private property or commercial property will be considered if:
(a) these projects have a 501(c)(3) or local government sponsor,
(b) a plan is in place to use the property as a demonstration site to show the benefits of living shorelines, and
(c) landowners or project leads can demonstrate that they meet the 75% match requirement described below. For projects on private property, preference will be given to projects in which multiple property owners have committed to installing a larger-scale, contiguous living shoreline to maximize environmental benefits and demonstration potential. It is unlikely that the design phase will be financially supported for individually owned private property; instead, landowners should offer to support that stage as part of their 75% match.

Applicants with questions about the eligibility of their property types should contact Trust, NOAA Restoration Center, DNR, and/or MDE staff early in project development. (Additional guidance on contacting program staff can be found below.) In all cases, preference will be given to living shoreline projects that have been identified as part of the implementation strategy of a local watershed management plan or assessment.

Projects that are awarded funding will be required to enter into a cooperative agreement that stipulates protection, maintenance, and project requirements for the duration of the agreement.

Technical Assistance and Contact Information

Due to the complexity of these projects, including determining project feasibility and the appropriate living shoreline restoration technique, applicants are strongly encouraged to use the technical assistance available through the funding partners prior to submitting an application.

Potential applicants are encouraged to contact the Trust and any of the technical partners listed below by phone or email to discuss appropriateness of the site in question and general fit with the Request for Proposals. Please feel free to contact any of the partners; however, please make sure to contact the Trust as program lead in all cases to facilitate coordination.

Chesapeake Bay Trust
Jana Davis
410-974-2941 x101
jdavis@cbtrust.org

Maryland Department of the Environment
Rick Ayella
410-537-3835
rayella@mde.state.md.us

NOAA Restoration Center
(for MD or DC projects)
Rich Takacs
410-267-5672
rich.takacs@noaa.gov

Mary Andrews
410-267-5644
Mary.andrews@noaa.gov

(for VA projects)
Walter Priest
804-684-7385
Walter.priest@noaa.gov

Maryland Department of Natural Resources
Kevin Smith
410-260-8797
kmsmith@dnr.state.md.us

Bhaskaran Subramanian
410-260-8786
bsubramanian@dnr.state.md.us

Budget Request Information

Awards will generally be less than $100,000 and less than $400 per linear foot. Applicants should submit a budget request based on best available information with their applications submitted on February 17, 2012. Funding partners may ask for a revised budget to be submitted by April 2, 2012. Funding will not be ultimately released without submission of detailed budgets based on a design scope of work for design support and on quantity break-outs for construction support. Applicants are strongly encouraged to contact Trust, NOAA, MDE, DNR, and/or NOAA staff to discuss request level prior to submitting proposals.
Projects should be completed in eighteen months, starting at the time the grant is approved. There is no commitment of continued or additional grant funding beyond that period. The partnership anticipates awarding up to $300,000 in this round of the initiative.

Match/Cost-Share Requirements

- For public property projects, matching funds and in-kind support are encouraged, rather than required, though match will be one criterion used to evaluate proposals.
- For non-profit property and community property projects, matching funds and/or in-kind support are required at a level of 25% (maximum 75% cost share from this funding source) and encouraged at a level of 50%. Match, again, will be one criterion used to evaluate proposals. Documentation of match must be provided.
- For privately owned residential and commercial property projects, matching funds and in-kind support at level of 75% are required (maximum 25% cost share from this funding source). Documentation of match and a landowner letter of match commitment must be provided.

Eligible Budget Items

Eligible budget items include, but are not limited to:

- Living shoreline restoration materials, including marsh grasses, native trees and shrubs, rock, sand, and tools;

- Staff and administrative expenses that directly support project related tasks, including design, implementation, monitoring, and maintenance. Staff salary requests must match payroll costs, and cannot include any other costs. Benefits must be listed separately, and overhead and indirect costs are not eligible;

- Professional services, such as engineering and design work, installation, and monitoring. Applicants are encouraged to solicit in-kind contributions to cover some of these expenses;

- Outreach materials that support recruiting, educating, and coordinating volunteers, and/or help promote living shoreline benefits to landowners, contractors, and a broader public. **Applicants with sites appropriate for demonstration are encouraged to request up to $2000 for interpretive signage**. Funding partners may require installation of interpretive signage as part of the award.

Eligible Applicants

Non-profit organizations, such as local watershed organizations, conservation organizations, academic institutions, community associations, and local or state governments in Maryland, Virginia, and Washington, D.C., are eligible for funding through the living shoreline initiative.

Project personnel listed on the application as Executive Officer or Project Lead must be staff of or otherwise associated with the applicant organization. Project leads *cannot* be staff of for-profit entities that are financially or otherwise involved in the grant project. Applicants are encouraged to work with for-profit partners; however, they cannot be listed as either Executive Officer or Project Lead on the grant. Applications with such listing will be considered incomplete and may be returned to the applicant without review.

The strongest proposals will show committed partnerships (those that provide funding, technical assistance, and in-kind support) from various organizations, institutions and government agencies. Partnership organizations may include, but are not limited to:

- Private, nonprofit organizations
- Federal, state, and local government agencies
- Tributary teams
- Community associations, civic groups, churches
- Soil and Water Conservation Districts
- Forestry boards
- Resource Conservation and Development Councils
- Marine contractors
- Public and independent primary, intermediate, and secondary schools
- Public and independent higher educational institutions

Application Submission Instructions and Deadlines

Applicants must submit pre-proposals using our new Online Grants System, located at www.cbtrustgrants.org by **5:00 pm on February 17, 2012**. Late applications <u>will not</u> be accepted, and the online funding opportunity will close at 5:00 pm sharp. To use this system, applicants must register at least 24 hours in advance of submitting an application. **<u>Applicants are strongly encouraged to submit at least a few days prior to the deadline</u>** given potential for high website traffic on the due date. The Trust cannot guarantee availability of Online Grant System technical assistance on the day of the deadline.

Funding partners may request additional information to be submitted by April 2, 2012. Grant awards will be announced in May 2012.

All applicants will receive a letter stating the funding partnership's decision. An application may be declined, partially awarded, or fully awarded. If approved, the Trust will send a grant agreement letter with grant conditions and due dates of status and final reports. Grantees must sign and return the grant agreement letter with original signatures. The Trust will mail the check to the requesting organization following (a) the Trust's receipt of the signed grant agreement; (b) satisfaction of all award contingencies, which include federal, state, and local permit approvals for implementation projects; and (c) completion of the pre-construction meeting for implementation projects.

When the project is complete, grantees are required to complete final reports, including submission of all invoices/receipts. Organizations with overdue final reports will not be awarded additional grants. In cases where the grantee fails to submit a status report or final report by the due date, the Trust reserves the right to terminate the grant agreement and require a refund of funds already transferred to the grantee.

Application Instructions

During the online application process, applicants will be asked for the following information:

Applicant Information
1) Mission of Organization
2) Organization Type
3) EIN Number
4) Name and Title of Executive Officer of Requesting Organization
5) Address, phone, email
6) Name and Title of Project officer
7) Address, phone, email

Project personnel listed on the application as Executive Officer or Project Lead must be staff of or otherwise associated with the applicant organization. Project leads *cannot* be staff of for-profit entities that are financially or otherwise involved in the grant project. Applicants are encouraged to work with for-profit partners; however, they cannot be listed as either Executive Officer or Project Lead on the grant. Applications with such listing will be considered incomplete and may be returned to the applicant without review.

Grant Information
1) Amount of funding requested: $
2) Requested Grant period and start/end dates of the overall project:
3) In which river, stream, or local watershed will the project be located?
4) In which county will the project be located?
5) In which state will the project be located?

Project Abstract
In a text box, you will be asked to provide a brief (3-4 sentence) summary of the project, including details such as type of project, location, and main objectives, including linear feet of living shoreline to be created or designed. You may copy and paste from a word processing document, but please do not copy and paste any formatting (such as bullets, indentations, bold, etc.). You may format after pasting.

Project Description
You will be asked to upload an MS Word (please do not use docx file version) or PDF file not to exceed 5 pages of text, excluding photos or materials such as letters of support, addressing the following points. We recommend that you copy and paste the questions to use as an outline in your narrative to ensure that you address all questions. Additional file attachments may also be uploaded through this component; additional files should not exceed four files in total.

1. Track. Indicate whether you are submitting without designs/site plans (Track 1) or with designs/site plans (Track 2). If you are submitting with designs/site plans (Track 2), indicate whether project leadership and partners would consider modification of the design should funding partners and the Technical Review Committee make recommendations.

2. Description of Requesting Organization: Briefly describe your organization or government agency. Highlight the relevant experience your organization or agency has had with completing living shoreline projects and/or promoting living shoreline initiatives. In addition, please explain how a grant through the Living Shoreline Initiative program will aid your organization or government agency in meeting its stated goals.

*3. Project and Site Description***:**

a. You will be asked to submit either a conceptual sketch (Track 1) or full plans (Track 2) below. Describe the project in a paragraph here: What are your goals, and what do you anticipate the project to look and function like?
b. Please include photos and a map of the site. If they cannot be imbedded in the text, you may upload an additional file. For ease of review, we strongly encourage you to include them in one file.
c. Erosion: Has erosion occurred at the site? A useful tool to help determine erosion rate can be found at: www.dnr.state.md.us/ccp/coastalatlas/shorelines.asp.
d. Wetlands: Are wetlands nearby or were wetlands/marsh vegetation present at one point?
e. Upland Conditions: Describe the conditions and topography of the immediate upland area, the area not below the water. What is the current land cover? (Is it mowed lawn, vegetated with trees, sandy beach, current marsh?) Is there a steep bank? Who (human use) uses the site and for what purposes
f. Offshore Conditions: Describe the conditions of the area just offshore the currently eroding site: What is the substrate (bottom type)? (Is it firm sand or soft sediment?) What do you know about the bathymetry (the depth)? Twenty feet offshore, how deep is it?
g. Ecological Value: Describe the anticipated ecological benefits of the project upon implementation, including square feet of wetlands to be installed, species to benefit, and number and species of plants to be installed.
h. Demonstration Value: Describe the demonstration value of the project, including short-term impact (number of volunteers involved, volunteer hours devoted) and long-term value (who will see/use the site? Will interpretive signage be installed? Note: we strongly encourage interpretive signage where appropriate).
i. Is the project an extension of an on-going or recently completed project?
j. If the project will fulfill part of an implementation strategy of a local watershed management plan, please indicate how and describe or reference the plan.

*4. Permits and Permissions***:** A letter of support for the project by the property owner must be provided *specifically referencing the plans submitted with the proposal*. We request that you include the letter as an image in the document file, but you may upload the letter as a separate attachment by clicking "add." Please explain the status of state/federal, county, and local permit applications, relevant for Track 2 applicants only. Funds will not be distributed to grantees for implementation until permits are obtained.

5. Cost estimate: Please describe the basis of your grant request amount. Do you have a cost estimate from an engineer or other service provider?

*6. Maintenance***:** Describe the plans and provisions to maintain the project over time (e.g., establishment of conservation easement, vegetation maintenance). Identify the lead organization/individuals responsible for project maintenance.

*7. Contractual Assistance***:** Have you begun to craft the process by which you will choose a project designer or construction firm, or have you chosen these consultants? If so, qualifications of the group(s) selected must be described.

8. Audience and Volunteer Involvement: In light of the Trust's commitment to the advancement of diversity in its grant-making, please provide demographic information about the community or population involved in or served by the project. Will the project engage traditionally underrepresented groups and/or a wide audience regardless of ethnicity, nationality, origin, culture, education, or socioeconomic status?

Site plans and photos

Track 1 – Attach a map showing location of the site and a rough conceptual sketch(es) of the project by clicking "Add."

Track 2 – Attach site plans specific to the project site by clicking "Add." (See Guidance for Site Plans in the attachment under Funding Opportunity for more information on site plans.) The best funding-ready plans will contain site-specific measurements and scale drawings, including (a) plan view, (b) representative elevations/cross sections, (c) a vicinity map, (d) photos of the site, and (e) landowner signature on the cover page. These pieces will be required before funding can be allocated to an implementation project. For information on ways to obtain designs, applicants are encouraged to contact Trust, NOAA Restoration Center, DNR, and/or MDE staff.

Project Timeline

In the online application system, you will be asked to complete a table listing major project tasks, with start and end dates. These include design, permitting, construction, etc.

Project Partnerships and Qualifications

In the online application system, you will be asked to complete a table listing all project partner organizations, individuals, their areas of expertise, and their role(s) in your project. Applicants are encouraged to upload a letter of support for the project from each partner outlining the partner's role in the project.

Project Deliverables

In the online application system, you will be asked to fill in estimated deliverables for a variety of metrics. Only fill out those relevant to your project. The most appropriate metrics will likely be linear feet of living shoreline created (leave as a "zero" for design requests), square feet of wetland created, and number of volunteers engaged.

Budget Upload

In the online application system, you will be asked to upload your budget using the Chesapeake Bay Trust Budget Form, an excel file template. Copies of the form can be obtained in two ways:
1) from the "Attachments" section of the Online Funding Opportunity at www.cbtrustgrants.org;

2) by copying into your browser window the following link:
http://www.cbtrust.org/forms and clicking on "**Chesapeake Bay Trust Budget Form**;"

● Be sure to see "Eligible Budget Items" section of Application Instructions above.
● Please be as detailed as possible. For example, funding cannot be awarded to construction requests without specific elements (e.g., mobilization, rock, sand, plants) listed separately. If insufficient detail is submitted with the pre-proposal, funding partners may ask for submission of a revised budget. Funding will not be ultimately released without submission of detailed budgets based on a design scope of work (for design support) and on quantity break-outs (for construction support).
● Staff cost requests are not encouraged, but will be considered. Salary and benefits must be listed separately. Hourly salary costs must match payroll costs, and cannot include any other costs, such as indirect or overhead. Requests for indirect or overhead costs are not permitted in this program.
● Matching resources are encouraged. Please indicate whether each match entry is applied for, pledged, or in-hand. Do not evaluate volunteer hours in terms of dollars; instead, list them separately.

Budget Category Information

The final online grant program component will ask applicants to enter budget category totals. These totals will have been automatically calculated in the **Chesapeake Bay Trust Budget Form.** You may use the budget justification section to provide a several paragraph budget narrative. The narrative should include such items as: a justification for any staff cost requests, including a specific scope of work, specific tasks, and hours associated with those tasks; the source of any construction cost estimates, if you have them; and an indication of whether your organization has requested financial support from any other sources for the project not listed as match in the budget table.

Maryland, Virginia, and D.C.

Living Shoreline Initiative

Guidance for Site Plans

Relevant for Track 2 Proposals

Adapted from the Maryland Department of the Environment

www.chesapeakebaytrust.org / 410-974-2941

Site Plans/Drawings
A plan set considered complete includes the following:
(a) Plan View,
(b) Elevation/Cross Section View,
(c) Vicinity Map
(d) Signature of the Landowner on all pages of the plan set

Drawings do not have to be prepared by an engineer, but given the complexity of many living shoreline projects, professional assistance, in some cases a licensed engineer, may be necessary. Design drawings must be completed by an individual or firm who is qualified by education or experience in the technical field of shoreline restoration and protection. Construction plans must be submitted to the Waterway Permits Division of the Maryland Department of the Environment.

Plan View
The Plan View shows the proposed activity as if you were looking straight down on it from above. Your plan view should clearly show the following:

- Name of water body (river, creek, lake, wetland, etc.) and river mile (if known) at the location of the activity.
- Existing shorelines.
- Mean high and mean low water lines and maximum (spring) high tide line in tidal areas.
- Ordinary high water line and ordinary low water line if the proposed activity is located on a non-tidal water body.
- Bathymetric and topographic survey information for the project area
- Dimensions of the activity and distance it extends from the high water line into the water.
- Distances to nearby Federal or State projects if any.
- Distance between proposed activity and navigation channel, where applicable.
- Delineation of any wetland (marshes, swamps, tidal flats, 100-year flood plains, etc.)
- North arrow.
- Scale.
- Description of dredged material involved. You must describe the type of material, number of cubic yards, method of handling the location of till and spoil disposal area, and the types of dredging. The drawing should show proposed retention dikes, weirs, and/or other means for retaining hydraulically placed materials.
- Mark the drawing to indicate previously completed portion of the activity.
- Mark the drawing to indicate storm water management facilities for marinas, residential and commercial developments.

Elevation/Cross Section View

The elevation and/or cross section view(s) are scale drawings that show the side, front or rear of the proposed activity. If a section view is shown, it represents the proposed structure as it would appear if cut internally or display. For projects with more than one habitat type or that change significantly over the length of the project, more than one elevation/cross section view is recommended. For example, one might present a cross section for both a sill section and a section in the center of a window/tidal gate. Your elevation/cross section view(s) should clearly show the following:
• Water elevations as known in the plum view (mean high water line, mean low water line, etc.)
• Water depths in the area of the proposed activity. If dredging is proposed, dredging depths and estimated disposal quantities.
• Cross-section of excavation or fill, including approximate side slopes.
• Cross-section of any structures (e.g., sills, marsh toe revetments)
• Graphic or numerical scale.
• Principal dimensions of the activity.

Vicinity Map
You may use an existing road map or US Geological Survey topographic may (scale 1:24,000) as the vicinity map. Please include sufficient details to simplify locating the site from both the water body and from land. Maps should show:
• Location of activity site (draw an arrow showing the exact location of the site on the map).
• Latitude, longitude, and river mile, if known.
• Name of water body and the name of the larger creek, river, bay, etc. into which the water body drains.
• Names, descriptions and locations of major roads and/or landmarks.
• North arrow.
• Scale.

Other Notes on Site Plans/Drawings
• Names of adjacent property owners who may be affected should be shown on the drawings.
• A legal property description including the number should be shown on the drawings.
• In the title block of each sheet of drawings, identify the proposed activity and include the name of the body of water; river mile (if applicable); name of county; name of applicant; number of the sheet and total number of sheets in the set; and the date the drawing was prepared.

Maryland, Virginia, and D.C.

Living Shoreline Initiative

2011-2012 Targeting Criteria

Overview

Projects selected for funding – particularly in cases where NOAA funds are awarded - in this grant round will likely have several technical and regulatory-based commonalities. This insert is provided to identify what these commonalities might be, in addition to a well-written proposal, completed design, landowner permission, permits, and a complete budget. The following scale assumes that all other required proposal items are complete and are of high quality.

<u>The most highly scored projects will be:</u>

- In areas where significant tidal wetland loss has occurred
- Areas currently experiencing erosion
- Areas where human or natural resource infrastructure (roads, critical habitat, etc) are threatened by erosion
- Sites where no SAV or shellfish resources are present or have been mapped

<u>Many medium-scored projects will be:</u>

- In areas where some tidal wetland loss has occurred
- Areas currently experiencing erosion
- Sites where no SAV or shellfish resources present, but may have been mapped in the past (>3 years)

<u>The lowest scoring projects will be:</u>

- In areas where no tidal wetland loss has occurred
- Areas not currently experiencing erosion
- Projects in small tidal tributaries
- Areas where no human or natural resource infrastructure (roads, critical habitat, etc) are threatened by erosion
- Sites where SAV and/or shellfish resources are present, and have been mapped recently (<3 years)