



Please fill out this form if you are considering submitting a potential site to our demonstration site network

Description		
Site location/Site name:		
Owner:		
Name and contact information of person filling out form:		
Engineer/Landscape Architect/Company:		
Construction costs:	Other costs:	
Are supporting documents attached? <input type="checkbox"/> photos <input type="checkbox"/> plans <input type="checkbox"/> written description <input type="checkbox"/> other		
Accessible to public? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Length of entire parcel shoreline:	Length of shoreline (footprint of project):	
Shoreline orientation:	Fetch range (if known):	
Shoreline slope range (degrees or ratio):	Pre-construction ____%	Post-construction ____%
Characterize the existing land use: <ul style="list-style-type: none"> <li><input type="checkbox"/> Water Dependent               <ul style="list-style-type: none"> <li><input type="checkbox"/> Industrial (i.e. petroleum storage, boat yard)</li> <li><input type="checkbox"/> Commercial (i.e. restaurant)</li> <li><input type="checkbox"/> Transportation (i.e. ferry)</li> <li><input type="checkbox"/> Recreational (i.e. boat launch, beach)</li> </ul> </li> <li><input type="checkbox"/> Commercial/Industrial/Railroad</li> <li><input type="checkbox"/> Agricultural</li> <li><input type="checkbox"/> Residential</li> <li><input type="checkbox"/> Open Space/Recreational (i.e. waterfront park, ball fields)</li> <li><input type="checkbox"/> Undeveloped</li> <li><input type="checkbox"/> Brownfield</li> <li><input type="checkbox"/> Other</li> </ul>		
Characterize the existing energy exposure: <ul style="list-style-type: none"> <li><input type="checkbox"/> Low (limited wind and wave exposure, ice impact, and human use)</li> <li><input type="checkbox"/> Medium (some wind and wave exposure, ice impact, and human use)</li> <li><input type="checkbox"/> High (consistent wind and wave exposure, ice impact, and human use)</li> </ul>		
Characterize the shoreline:	Pre-construction	Post-construction
Natural (no visible human alterations)	<input type="checkbox"/>	<input type="checkbox"/>
Restored shoreline	<input type="checkbox"/>	<input type="checkbox"/>
Engineering, Non-functional	<input type="checkbox"/>	<input type="checkbox"/>
Engineered, Functional	<input type="checkbox"/>	<input type="checkbox"/>
Percent of non-permeable surface on the parcel?	Pre-construction ____%	Post-construction ____%

Is the project intended to protect new onshore construction? <input type="checkbox"/> Yes <input type="checkbox"/> No
Where will construction occur? (check all that apply) <input type="checkbox"/> Above high tide <input type="checkbox"/> In the intertidal <input type="checkbox"/> Below low tide
Do sensitive, critical or Significant Coastal Fish and Wildlife habitats exist at the site? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide details (i.e., which species, where):
Why is this project being undertaken? What is the primary objective?
What will the funding mechanism be for this project? (e.g., grant, mitigation/policy, riverfront revitalization/LWRP, private development)
<b>Assessment</b>
1. Will pre-existing non-impaired natural shoreline be impacted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A If yes, how much (percent):
2. Will the shoreline be designed with natural features and diversity?: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide details: <input type="checkbox"/> Sinuous <input type="checkbox"/> Designed for various uses <input type="checkbox"/> Varied slopes <input type="checkbox"/> Other:
3. Will existing hard shoreline features be re-engineered for ecological enhancement? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A If yes, provide details: <input type="checkbox"/> Hard structure removal <input type="checkbox"/> Nooks/holes <input type="checkbox"/> Natural light <input type="checkbox"/> Overhangs <input type="checkbox"/> Artificial tide pools <input type="checkbox"/> Artificial reef structures <input type="checkbox"/> Textured surfaces <input type="checkbox"/> Other:
4. Will the substrate materials used provide ecological enhancement? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide details: <input type="checkbox"/> Natural materials <input type="checkbox"/> Other: <input type="checkbox"/> Diversity of material composition and size

<p><b>5.</b> Will the shore zone be re-vegetated? <input type="checkbox"/>Yes <input type="checkbox"/>No</p> <p>If yes, provide details:</p> <p><input type="checkbox"/> Use of native species <input type="checkbox"/> Fish and wildlife utilization</p> <p><input type="checkbox"/> Diversity of species structure and function <input type="checkbox"/> Other:</p>
<p><b>6.</b> Will consideration be made for site specific energy impacts from river and river activities? <input type="checkbox"/>Yes <input type="checkbox"/>No</p> <p>If yes, provide details:</p>
<p><b>7.</b> Will you account for sea level rise and/or annual flooding during the design process? <input type="checkbox"/>Yes <input type="checkbox"/>No</p> <p>If yes, provide details (e.g., buffer widths, locations):</p>
<p><b>8.</b> Will green stormwater management designs be included? <input type="checkbox"/>Yes <input type="checkbox"/>No</p> <p>If yes, provide details:</p>
<p><b>9.</b> Will accumulation of wrack be allowed on the shoreline? <input type="checkbox"/>Yes <input type="checkbox"/>No</p>
<p><b>10.</b> Will maintenance/adaptive management plans be in place? <input type="checkbox"/>Yes <input type="checkbox"/>No</p> <p>If yes, provide details:</p>
<p><b>11.</b> Will the shoreline incorporate potential human uses? <input type="checkbox"/>Yes <input type="checkbox"/>No</p> <p>If yes, provide details:</p>

Comments and additional information:

Please return this form to  
Sustainable Shorelines Project  
Norrie Point Environmental Center  
P O Box 315  
Staatsburg, NY 12580  
Fax: 845-889-4749  
email: [hrnerr@dec.ny.gov](mailto:hrnerr@dec.ny.gov)

## ASSESSMENT TERMINOLOGY

### *Brownfield*

Commonly refers to a former commercial or industrial site where future use is affected by real or perceived environmental contamination.

### *Bulkhead*

Wall structure designed to keep land behind it from eroding, generally constructed of concrete, wood or sheet metal.

### *Ecologically enhanced shorelines*

Shore protection methods that incorporate measures to enhance the attractiveness of the approach to both terrestrial and marine biota. These can be either modifications to existing structures through the addition of plantings or other ecological measures or a refinement of the design of new structures in terms of material, geometry, or placement.

### *Energy exposure*

In the context of shorelines, the force-per-unit area or pressure exerted from wind, waves, or ice on a natural feature.

### *Fetch*

Distance between two points of shoreline on opposing sides of a body of water.

### *Green stormwater management*

Accepted practices that restore storm-water's natural flow patterns by allowing water to slowly permeate into the ground and be used by natural biota, and to flow via groundwater to surface water bodies; it includes the preservation and restoration of natural areas that complete these processes.

### *Human exposure*

In the context of shorelines, the amount of human use from foot or boat traffic which causes adverse impacts such as erosion of soil and damage to plants.

### *Hard shorelines*

Shoreline protection and erosion control measures that are composed of solid and often man-made construction materials, such as steel sheet piling, concrete or timber bulkheads, and rip-rap, concrete or stone revetments.

### *Native species*

The original and non-invasive vegetation in a specific location or project.

### *Natural shoreline*

Shoreline composed of natural ecosystem qualities and no apparent manmade structures or restorative actions.

*Non-permeable*

Not permeable to water; incapable of allowing surface water to seep or drain into ground.

*Rip-rap*

Broken (fractured) rock, cobbles, or boulders placed on earthen surfaces, such as the face of a dam or the bank of a stream, for protection against action of water (waves).

*Sea Level Rise*

Measured increase in sea level height along coastal shorelines. These issues can be due to tectonic forces, land subsidence, thermal expansion of ocean waters or melting of polar ice and glaciers.

*Shoreline*

In New York State, “shoreline” is the intersection of the mean high water line with the beach profile. In common language it is the zone of contact of a body of water and the land; the land along the edge of a body of water.

*Shoreline orientation*

The direction the shoreline faces as taken from the project location facing towards the Hudson River (water).

*Shore zone*

Bound by the immediate upland and immediate aquatic environment surrounding a shoreline.

*Substrate*

A substance or layer that underlies something, or on which some process occurs, in particular.

*Wrack*

Organic matter washed to the shoreline, including woody and vegetative debris.