



# Site Background, Desktop Analysis, & Assessment

## Day 1: Site Assessment

Completed by:		Site Name:		Site Address:		
Site Locality:		Waterway:				
<p>This worksheet is intended to help professionals evaluate a site to determine the suitability of a living shoreline project, as well as collect information to assist in developing a successful living shoreline design and implementation plan. The worksheet is organized into three main sections: Site Background, Desktop Analysis, and Site Visit. The Site Background section should be completed from your own observations and by interviewing the property owner(s). The Desktop Analysis portion should be completed prior to visiting the site using digital tools and available data. The Site Visit section is to be completed on-site.</p>						
Property Owner Name:			PO Phone:			
PO Email:			Date of Interview:			
SITE BACKGROUND	How long have the current		Is the property the primary	YES	NO	
	If the property is NOT the primary residence, how much time do the owners spend at the property?		Who will perform regular maintenance at the site?	PO	Hired Pro	
	Current uses of shoreline:		Anticipated uses of shoreline:	Other:		
	Shoreline problems identified by owner:		What are the property owners' goals for the shoreline/property?			
	Property owner concerns about living shorelines or other shore stabilization methods:			Specific safety considerations:		
	Budget:	\$	Interested in cost-share, grant or loan programs?		YES	NO

Condition of adjacent/nearby shorelines:		Type of protection present:
	Protected Unprotected	
Whole property characteristics: Evaluation the condition of upland landscape		Estimate the % land use cover for each type:
		Impervious surface: _____% Turf: _____%Tr
Are other BMPs or conservation landscaping	YES NO	Type:

DESKTOP ANALYSIS	Shore orientation(s)	N NE NW E W S SE SW	Shore Length:	ft	Shore Width:	ft		
	Average Fetch:	Very High (> 15 miles)	High (5-15 miles)	Medium (1-5 miles)	Low (0.5 - 1 mile)	Very Low (< 0.5 miles)		
	Longest Fetch:	mi	Direction:	Shore Morphology	Pocket	Straight	Headland	Irregular
	Depth Offshore:	ft	Nearshore Morphology:	Bars	Tidal Flats	Other:		
	Tide Data	MLW:	MHW:	MTL:	Mean Tide Range:	1.5x Mean Tide Range: (calc)		
	Storm Surge:	10 yr	50 yr	100 yr	Average Salinity:	PSU		
	Expected SLR:	10 yr	20 yr	50 yr	Saltwater	Freshwater		
	Erosion Rate:	___ Very high accretion (> +10 ft/yr) ___ High ___ Very High Erosion (> -10 ft/yr)			Is Submerged Aquatic Vegetation (SAV) present?	YES	NO	
	Design Wave:	Height	Period	Proximity to Navigation Channel				
	Note easements or utilities located in the project area:							
Notes:								

Date of Site Visit:	Time:	Tide Level:
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SITE VISIT	Site Boundaries:				Existing upland structures & distance from shoreline:							
	Site Access: How will equipment & materials reach the site?				Sources of freshwater runoff/outfall:							
	Existing shoreline structures & condition:				Buffer condition, vegetation type, soil characteristics:							
	Bank condition:	Stable	Eroding	Bank Height:	ft	Slope:	3:1	5:1	6:1	8:1	10:1	_____
	Erosion:	None	Light	Moderate	Severe	Evidence of water seep?	Yes	No				
	Erosion Source:					Boat Activity:	None/Paddlecraft	Minimal	Moderate	Heavy		
	Shore Zone:	Sand	Marsh	Width:	ft	Elevation:	ft					
	Backshore Zone:	Sand	Marsh	Width:	ft	Elevation:	ft					
	Shellfish/oysters present?	YES	NO	Nearshore Sediment Type & Stability: <i>(sand, peat, clay, etc.)</i>			Firm	Soft				
	Existing shoreline vegetation & condition:											
	Benchmarks:											
Notes:												

**Upland Site Evaluation:** Erosion, stormwater runoff, and soil/sand displacement in the upper areas of the landscape should be addressed, particularly if they may impact the shoreline project in the future\*. To evaluate these areas, begin with a base map of the whole property (See *Desktop Analysis Guide: Easements & Utilities for information on generating a base map*). Mark problem areas on the map.

Note any problem areas:

\*More information on

- bare soil
- gullies, rills, depressions along paved areas/under downspouts
- accumulated sand/soil on hard surfaces or at base of structures
- ponding/wet areas
- exposed landscape fabric
- exposed tree roots

[More information on addressing upland erosion and stormwater runoff is available from the Anne Arundel Watershed Steward Academy](#) and the [Chesapeake Bay Landscape Professional Program](#).

# LS Site Assessment Base Map



Shoreline Management Project Area

Assumed Property Boundary

Fishing pier



100 ft