



Site Background, Desktop Analysis, & Assessment

Site Assessment

Completed by:		Site Name:		Site Address:	
Site Locality:		Waterway:			

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.

Property Owner Name:		PO Phone:	
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PO Email:		Date of Interview:	
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ROUND	How long have the current owners had the property?		Is the property the primary residence?	YES	NO
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ROUND	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	Other:
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ROUND	Current uses of shoreline:		Anticipated uses of shoreline:	

ROUND	Shoreline problems identified by owner:		What are the property owners' goals for the shoreline/property?	

ROUND	Property owner concerns about living shorelines or other shore stabilization methods:		Specific safety considerations:	

SITE BACKG													
	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: Evaluate the condition of upland landscape features and note any visible signs of erosion. <i>If these areas require further assessment or corrective action, refer to the last page of this form.</i>							Estimate the % land use cover for each type:					
								Impervious surface: _____%	Turf: _____%				
							Tree Canopy: _____% & Landscaping	Other: _____%					
Are other BMPs or conservation landscaping present?			YES	NO	Type:								
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: <i>(calculate using MTR)</i>						
	Storm Surge:	10 yr			50 yr			100 yr			Average Salinity:	PSU	
	Expected SLR:	10 yr			20 yr			50 yr			Saltwater	Freshwater	

DESKTOP A1	Erosion Rate:		<input type="checkbox"/> Very high accretion (> +10 ft/yr) <input type="checkbox"/> High accretion (+10 to +5 ft/yr) <input type="checkbox"/> Medium accretion (+5 to +2 ft/yr) <input type="checkbox"/> Low Accretion (+2 to +1 ft/yr) <input type="checkbox"/> Very Low Accretion (+1 to 0 ft/yr)		<input type="checkbox"/> Very High Erosion (> -10 ft/yr) <input type="checkbox"/> High Erosion (-5 to -10 ft/yr) <input type="checkbox"/> Medium Erosion (-2 to -5 ft/yr) <input type="checkbox"/> Low Erosion (-1 to -2 ft/yr) <input type="checkbox"/> Very Low Erosion (0 to -1 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:						
	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				

SITE VISIT	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:

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*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](#).

- 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

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