Living Shoreline Feasibility Model Data Collection Sheet

Circle the responses that best represent your shoreline of interest. The code to the left indicates the suggested methods for obtaining the information: DT-Desktop Analysis, FA-Field Assessment, PC-Personal Communication. See the model "user guide" for more information. (LINK TO USER GUIDE) Use the data sheets to then fill in the model. (LINK TO MODEL)

Physical Characteristics	Physica	I Chara	cteristics
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	Physical Chara	cteristics			
_	Energy: This metric characterizes the typical level of energy	•	the size of the water body and its		
movement al	long the site in which it is located, independent of wind and	waves.			
DT:	Low	Medium	High		
	ergy: This metric intends to characterize energy at the site				
	e of meander) or where multiple water bodies meet (i.e., co				
intensity of w	vater velocity, potentially contributing to processes such as	erosion, scour, and particle tr	ansport.		
DT:	Low	Medium	High		
	Energy: This metric intends to characterize the intensity of				
	ntegration of shoreline orientation and maximum expected ng) with the direction from which maximum wind is expected		lergy is expected if the shoreline is		
aligneu (lacii	ig) with the direction from which maximum while is expected	u to originate.			
	Maximum Wind Speeds	Shoreline Orientation I	Relative to Storm Wind Direction		
DT:	Low (<17 mph) Medium (17-30mph)	Unaligned	Aligned		
	High (>30mph)		<u> </u>		
Dorcictont W	ave Energy: This metric intends to characterize the AVERAG	E wayo climate impacting the	site. This is accomplished through		
	on of the average fetch and the direction from which the wi		-		
	d towards the wind, and is expected to increase with fetch.	To originates. Wore interise p	versistent energy is expected at		
	,				
	Average Fetch (4 directions) Direction				
DT:	Low (<1mile) Medium (1-5miles)	Unaligned	Aligned		
	High (>5 miles)				
Poot Woke F	nergy: This metric intends to characterize the energetic imp	eact to a cita based on the "tw	nical" degree of beating/water		
	along the adjacent waterbody.	fact to a site based on the "ty	pical degree of boating/water		
		N. d. adicura	Hink		
DT/FA/PC:	Low	Medium	High		
Noorchoro Cl	and. This matric intends to characterize the ability of ways	to brook in the nearchers on	vironment by accessing the clane		
	ope : This metric intends to characterize the ability of waves ig to the site. Metric categories were sourced directly from				
prome readin	g to the site. Metho categories were sourced unleady from	the steven's Living shoreline	Linguistering Guidelines.		
FA:	Low (<10%)	Medium (10-20%)	High (>20%)		
FA.	LOW (<10%)	10-20%)	High (>20%)		
On site Char	alina Canditian. This maturis intends to show atonics the an a	ita anavastias dua ta vaflasti.	e and absorbtive properties of any		
	eline Condition: This metric intends to characterize the on-s ently present along the shoreline of interest.	ite energetics due to reflectiv	re and absorptive properties of any		
reatures curr	I				
DT/FA:	Natural Mixed	Rip-Rap/Stone	Bulkhead/Seawall		
_	Shoreline Condition: This metric intends to characterize the	e level of reflective energy im	pacting the site due to the		
uominant coi	ndition of surrounding shorelines.				
FA:	Predominantly Natural Mixed	d Natural and Hardened	Predominantly Hardened		
	Winds				
					

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ees/veget	nopy Shading: This metric is inter tation or other structures along the tive to unshaded areas.			
FA/DT:	0-25%	25-50%	50-75%	75-100%
	egetation Community Status: The hide lines. If a potential project			n community present between th
FA:	Only Undesired Vegetation Community Present with Active Removal	Mixed Desired/Undesired Community Present with Active Removal	No Vegetation Community Present and/or Passive Action	Only Desired Vegetation Community Present or Mixed Desired/Undesired Communit Present with Passive Action
	Yegetation Substrate : This metric mote plant establishment and gro		isting potential of the substr	rate at the intertidal portion of th
FA:	Impenetrable	Undesired	Desired Unstable	Desired Stable
le line If				
FA:	Only Undesired Vegetation Community Present with Active Removal	Mixed Desired/Undesired Community Present with Active Removal	No Vegetation Community Present and/or Passive Action	Desired/Undesired Communit
FA:	Only Undesired Vegetation Community Present with	Mixed Desired/Undesired Community Present with Active Removal	No Vegetation Community Present and/or Passive Action	Community Present or Mixed Desired/Undesired Communi Present with Passive Action
FA:	Only Undesired Vegetation Community Present with Active Removal	Mixed Desired/Undesired Community Present with Active Removal	No Vegetation Community Present and/or Passive Action	Community Present or Mixed Desired/Undesired Communi Present with Passive Action
FA: seto pron FA: pland Veg	Only Undesired Vegetation Community Present with Active Removal getation Substrate: This metric in the plant establishment and ground substrate.	Mixed Desired/Undesired Community Present with Active Removal ntends to characterize the exisowth. Undesired metric is intended to characte	No Vegetation Community Present and/or Passive Action ting potential of the substra Desired Unstable	Community Present or Mixed Desired/Undesired Communit Present with Passive Action ate at the subtidal portion of the Desired Stable
FA: ubtidal Ve te to pron FA: pland Ve	Only Undesired Vegetation Community Present with Active Removal getation Substrate: This metric is note plant establishment and gro Impenetrable	Mixed Desired/Undesired Community Present with Active Removal ntends to characterize the exisowth. Undesired metric is intended to characte	No Vegetation Community Present and/or Passive Action ting potential of the substra Desired Unstable	Community Present or Mixed Desired/Undesired Community Present with Passive Action ate at the subtidal portion of the Desired Stable Community present above the high Community Present or Mixed Desired/Undesired Community
FA: Set to pron FA: Coland Veg de line. If FA:	Only Undesired Vegetation Community Present with Active Removal getation Substrate: This metric is note plant establishment and gro Impenetrable getation Community Status: This a potential project does not incl Only Undesired Vegetation Community Present with	Mixed Desired/Undesired Community Present with Active Removal Intends to characterize the exist with. Undesired Intended to characterize this vegetation component Mixed Desired/Undesired Community Present with Active Removal	No Vegetation Community Present and/or Passive Action ting potential of the substra Desired Unstable rize the type of vegetation of the choose the null option (-). No Vegetation Community Present and/or Passive Action	Community Present or Mixed Desired/Undesired Community Present with Passive Action ate at the subtidal portion of the Desired Stable Community present above the high Only Desired Vegetation Community Present or Mixed Desired/Undesired Community Present with Passive Action

Biofouling Issues Require

Active Attention

No Shellfish Present

Desired Shellfish Present

component choose the null option (-).

FA:

Undesired Community

Removal

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Site Access

	•	Site Access			
	ivery: This metric is intended to describe the leven instruction to the site for installation and subsequents.		e materials to be used in living		
DT/FA/PC:	Low Complexity	Medium Complexity	High Complexity		
Landowner Agreement : This metric intends to characterize the ease of acquiring land owner agreement if a living shoreline is desired for the site.					
DT/PC:	Single or Multiple Landowner Disagreement	Multiple Landowner Agreement	Single Landowner Agreement		
Personnel Acat the intend	ccess: This metric intends to characterize complexed site.	xity of personnel access for installation,	maintenance, and/or monitoring		
DT/FA/PC:	Low Complexity	Medium Complexity	High Complexity		
	ndow: This metric is intended to characterize dura ailability or other restrictions	ation of daily time available for activity a	at a site of interest, e.g tide,		
DT:	6-12 hrs	3-6 hrs	<3hrs		
Regulatory Consideration: This metric is intended to characterize the level of complexity required for installation, monitoring, and/or maintenance related to regulatory concerns (e.g., time of year restrictions for species of concern/endangered species at the area of					
DT:	No Considerations	Cc	onsiderations		

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	Comr	nunity Resources	
	ach/Education Potential: This metric is intended er in terms of current outreach resources on site		
PC:	No Access/Viewability	Passive Programming	Active Programming
_	Stewardship: This metric intends to characterize nay be in the project as a whole.	the local public's current interaction wit	h the site and how engaged the
PC:	Negative Engagement (vandalism, disturbance)	Neutral Engagement	Active Positive Engagement
	pital Availability: This metric is intended to char owners/community partners to install the project		financial leverage, of the interested
PC:	Low Resources (No funds)	Moderate Resources (Partial Funding/Resource Leverage)	High Resources (Independent Funds)
	for Nature Based Infrastructure: This metric interesting reline, or other nature based infrastructure (NBI		
PC:	Minimally Engaged (Want hard armoring, no intervention, unengaged)	Moderately Engaged (Willing to try, want protection)	Very Engaged (partial to NBI)
-	Protection: This metric indicates whether or not municipally essential to the community.	a project is sought at the site to protect	specific infrastructure that is either
DT/FA/PC:	Individual/Other Reasons	Community I	nfrastructure Protection
	tal Justice Leverage Potential: This metric intending, or certain grants/support that would support		e" of a community to resources such
DT/FA/PC:	No/Unlikely		Yes/Likely