

## - LIVING SHORELINE - Critical Area Information Sheet and Mitigation Calculator

Use this form to determine the amount and type of mitigation required for Buffer disturbance. **This information sheet is part of a complete Buffer Management Plan package. Refer to the “Critical Area Buffer Management Plan Checklist” to determine what other materials are required for a complete submittal.** In addition, please contact your local jurisdiction to determine if other forms are required as part of a complete submittal.

### 1. Project Description

Provide a short description of the proposed work:

### 2. Applicant Information

Name:		
Address:		
City:	State:	Zip:
Telephone: (    )	E-mail address:	
Riparian Property Owner:	Yes	No

### 3. Contractor Information

Name:		
Address:		
City:	State:	Zip:
Telephone: (    )	E-mail address:	

### 4. Work site address if different than Riparian Owner address above

Address:		
City:	State:	Zip:

### 5. Photographs of the Site Area

If not provided as part of the MDE application, provide recent photography (within the past six months) of the proposed area where shore erosion control work will be conducted, including photos of the Buffer.

### 6. Access

The project site will be accessed during construction by (circle one):

Water (via Barge)

Land                                      If by land, will existing access road be used:                      Yes    No

Other (please specify):

### 7. Mitigation Categories:

Read the description of each category below to determine which of the two categories below fits the proposed project, and complete the information requested. A mitigation calculator can be found in **Step 8**.

<b><u>CATEGORY 1</u></b>	
Existing Buffer is LAWN or LAWN interspersed with trees <b>AND</b> Permanent Buffer Disturbance extends less than 15 feet landward (as measured from the edge of tidal wetlands)	
<b><u>Canopy Coverage:</u></b> Mitigation is required for any canopy coverage removed. No mitigation is required for Permanent LOD (8.a).	
Canopy Coverage Removed (8.b + 8.c)	sq feet
<b>TOTAL MITIGATION PROVIDED</b>	<b>sq feet</b>

**NOTE: The Local Jurisdiction has the right to verify the shoreline conditions as documented on this form.**

**CATEGORY 2**

Existing Buffer is DENSELY VEGETATED/FORESTED

**OR**

Permanent Buffer Disturbance extends more than 15 feet landward (as measured from the edge of tidal wetlands)

**Transition Zone:**

*Provide at the shoreward edge of the Buffer a 15-foot transition zone of a mixture of native warm season grasses, shrubs, and herbaceous plants that are appropriate for the climate, soil, and hydrology of the site. The transition zone must be the length of the shoreline project at an average width of 15 feet. Except for a permitted water-dependent access point, the transition zone may not be less than 5 feet in width at any point. The transition zone cannot exceed 25 feet in width at any point, and no more than 25% of the strip may be less than 10 feet in width. Plantings beyond this transition zone must meet the mitigation requirements for both permanent disturbance and canopy coverage removed, as found in COMAR 27.01.09.01-2.*

**Mitigation for canopy coverage:**

Mitigation for canopy coverage is required **only** for the clearing exceeding the first 15 feet from the landward edge of tidal wetlands.

Total Area of Transition Zone Provided (see 8.d)	sq feet
Mitigation Provided for Permanent Disturbance outside the Transition Zone (see 8.a)	sq feet
Canopy Mitigation Required for clearing outside the Transition Zone (see 8.c.)	sq feet
<b>TOTAL MITIGATION PROVIDED</b>	<b>sq feet</b>

**NOTE: The Local Jurisdiction has the right to verify the shoreline conditions as documented on this form.**

**8. Mitigation Calculator:**

Type of Mitigation	Area Disturbed
a. Limits of Permanent Disturbance* (LOD)	sq feet
b. Canopy Coverage Removed in Buffer (15 feet landward or less)**	sq feet
c. Canopy Coverage Removed in Buffer (greater than 15 feet landward)*	sq feet
d. Total Transition Zone Area = Linear Length of Shoreline( ft) x Avg. Required Width (15ft)	sq feet

\***Permanent Disturbance** is defined as a material, enduring change in the topography or landscape. It includes grading or clearing of a tree, forest, or developed woodland. It does not include the grading of a development site if the area is restored to its previous vegetative condition immediately after completion of the shore erosion control activity.

\*\*as measured from the edge of tidal wetlands

## 9. Certification

I will abide by this form and the attached Buffer Management Plan, if approved, and will not conduct any work beyond the limits of this plan and the corresponding MDE authorization. I understand that municipal or county staff may contact me and arrange to inspect the work. Disturbance within the Buffer beyond what is described herein is a violation of State and local laws. I also understand that the information listed in Step 5 will be required as part of a submittal for local approval of this shore erosion control application.

I certify that the information on this form is true and accurate to the best of my knowledge and belief.

**\*\*RIPARIAN PROPERTY OWNER SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**\*\*PLAN IS INVALID WITHOUT A RIPARIAN PROPERTY OWNER SIGNATURE**