VIMS Shoreline Permit Application Report #03-0397

**APPLICANT:** ED & LOUISE A. CLAYTON  
**Immediate Waterway:** Chesapeake Bay  
**Locality:** MATHEWS COUNTY  
**Purpose:** Erosion Control  
**Application Type:** Wetlands  
**Site Inspection:** 3/7/03  
**Report Date:** 3/14/03

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<table>
<thead>
<tr>
<th>Type of Activity</th>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riprap (ft)</td>
<td>685</td>
</tr>
<tr>
<td>Impact Reed Grass Community (Type VIII) (ft2)</td>
<td>8220</td>
</tr>
<tr>
<td>Fill Reed Grass Community (Type VIII) (ft2)</td>
<td>4110</td>
</tr>
<tr>
<td>Total Impacts (ft2)</td>
<td>8220</td>
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<tr>
<td>Total Impacts (Wetlands)</td>
<td>8220</td>
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<tr>
<td>Total Impacts (Subaqueous)</td>
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<tr>
<td>Total Impacts (Beach/Dune)</td>
<td>0</td>
</tr>
<tr>
<td>Total Fill (ft2)</td>
<td>4110</td>
</tr>
</tbody>
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**Project Location**

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**Virginia Institute of Marine Science**  
School of Marine Science  
P.O. Box 1346, Route 1208 Greate Road  
Gloucester Point, Virginia 23062-1346  
phone: (804)684-7380, fax: (804)684-7179, e-mail: wetlands@vims.edu  

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ANNOUNCEMENT

*Information provided in this report is only the environmental and marine resources input into the decision making process* and is based on biological, chemical, geological, and physical factors affecting the marine environment at and in the vicinity of the proposed activity. Parameters of the marine environment which may influence recreational, commercial, or industrial activities which are dependent on the marine environment are also considered where applicable.

The Virginia Institute of Marine Science (VIMS) is aware that regulatory or administrative bodies who weigh the overall potential public and private benefits and detriments in arriving at decisions must also consider other factors such as economics, aesthetics, zoning, or community desires.

Comments:

We have reviewed this proposal from a marine environmental perspective and it is our opinion that the individual and cumulative adverse impacts resulting from this activity can be reduced.

The project site, located on the Chesapeake Bay, includes an extensive beach/dune community channelward of an existing tidal ditch. The applicant proposes to construct a 12 ft. wide riprap revetment along the 685 ft. ditch for erosion protection. As proposed, the structure would impact approximately 8,220 sq.ft. of vegetated wetlands.

During a site visit conducted March 10, 2003, no visible signs of active detrimental erosion were observed along the length of the proposed revetment. Consequently, given the existing site conditions it is our opinion that the proposed revetment is excessive and unnecessary at this time.

Rebecca J. Thomas
Marine Scientist
Hydrologic units represent smaller, isolated watersheds defined by topography and flow direction. These units can be thought of as insulated ecosystems or landscapes within which resources can be managed at a larger scale. The cumulative impact of a project to resources within a hydrologic unit may be significantly greater than the impact to the larger watershed above.
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Permit Site Study Area

Mathews County
MIDDLE PENINSULA BAYSHORE
Chesapeake Bay

Project site
Locality boundaries
Middle Peninsula Bayshore watershed
Tidal Marsh Inventory - TMI
Arrow Arum-Pickerelweed
Big Cordgrass
Black Needlerush
Brackish Water Mixed
Cattail
Freshwater Mixed
Reed Grass
Saltbush
Saltmarsh Cordgrass
Yellow Pond Lily
Roads
Primary
Secondary
Tertiary
Intertidal flat
Open water

0 0.5 1 Miles
To Wetlands Board: Please indicate Wetlands Board action on this sheet and return to VIMS

Application Number: 03-0397
Name: Ed & Louise A. Clayton
Locality: Mathews County
Waterway: Chesapeake Bay

Please check here if this application was approved as proposed ____
Complete the form below if the application was modified.

ACTIVITIES

<table>
<thead>
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<th>PERMITTED</th>
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Comments: __________________________________________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________

Certified by: __________________________________________