VIMS Shoreline Permit Application Report # 03-0269

APPLICANT: FREDERICK RECKER
Immediate Waterway: Warehouse Creek
Locality: NORTHAMPTON COUNTY
Purpose: Erosion Control
Application Type: Wetlands
Site Inspection: 3/4/03
Report Date: 3/13/03

Type of Activity

<table>
<thead>
<tr>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulkhead (ft)</td>
</tr>
<tr>
<td>Fill Saltmarsh Cordgrass Community (Type I) (ft²)</td>
</tr>
<tr>
<td>Impact Saltmarsh Cordgrass Community (Type I) (ft²)</td>
</tr>
<tr>
<td>Total Impacts (ft²)</td>
</tr>
<tr>
<td>Total Impacts (Wetlands)</td>
</tr>
<tr>
<td>Total Impacts (Subaqueous)</td>
</tr>
<tr>
<td>Total Impacts (Beach/Dune)</td>
</tr>
<tr>
<td>Total Fill (ft²)</td>
</tr>
</tbody>
</table>

Project Location

Northampton County

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

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. INFORMATION PROVIDED IN THIS REPORT IS, THEREFORE, ONLY THE ENVIRONMENTAL AND MARINE RESOURCES INPUT INTO THE DECISION MAKING PROCESS.

This assessment 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.

Comments:

We have reviewed this proposal from a marine environmental viewpoint and it is our opinion that the bulkhead has been aligned in a manner that has minimized encroachment into the existing fringe marsh and that the individual and cumulative adverse impacts resulting from this activity will be minimal. Granite rock is an alternative in this situation but would result in the direct loss of much of the existing fringe marsh.

[Signature]
Thomas A. Barnard, Ph.D.
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.
Northampton County
EASTERN SHORE BAYSIDE
Warehouse Creek

Permit Site Study Area

Project site
Eastern Shore Bayside watershed
Tidal Marsh Inventory - TMI
Arrow Arum-Pickeralwee
Big Cordgrass
Black Needlerush
Brackish Water Mixed
Cattail
Freshwater Mixed
Reed Grass
Saltbush
Saltmeadow
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: 03-0269
Name: Frederick Recker
Locality: Northampton County
Waterway: Warehouse Creek

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

<table>
<thead>
<tr>
<th>ACTIVITIES</th>
<th>PROPOSED</th>
<th>PERMITTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulkhead (ft)</td>
<td>135</td>
<td>_____</td>
</tr>
<tr>
<td>Fill Saltmarsh Cordgrass Community (Type I) (ft²)</td>
<td>175</td>
<td>_____</td>
</tr>
<tr>
<td>Impact Saltmarsh Cordgrass Community (Type I) (ft²)</td>
<td>175</td>
<td>_____</td>
</tr>
</tbody>
</table>

Comments: __________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________

Certified by: ____________________________