VIMS Shoreline Permit Application Report # 01-1891

APPLICANT: MORTON, W. BROWN, JR.
Immediate Waterway: Rappahannock River
Locality: RICHMOND COUNTY
Purpose: Shoreline Stabilization
Application Type: Wetlands, Subaqueous
Site Inspection: 11/13/01
Report Date: 11/15/01

Type of Activity       Proposed Extent

Riprap (ft)
- Impact Intertidal Beach Community (Type XIII) (ft2) 25
- Fill Intertidal Beach Community (Type XIII) (ft2) 250
- Impact Subaqueous Bottom (ft2) 125

Total Impacts (ft2) 280
- Total Impacts (Wetlands) 250
- Total Impacts (Subaqueous) 30
- Total Impacts (Beach/Dune) 0
- Total Fill (ft2) 125

Project Location

Richmond County

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

Wetlands Program

William & Mary

Virginia Institute of Marine Science
School of Marine Science
ATTENTION

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.

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.

Comments:

We have reviewed this proposal from a marine environmental viewpoint. The individual and cumulative adverse impacts resulting from this riprap revetment around the base of a large tree will be minimal.

Karen A. Duhring
Marine Scientist
Total Permitted Wetlands Loss by Type for RAPPAHANNOCK RIVER: 1996-1999

<table>
<thead>
<tr>
<th>Community Type</th>
<th>Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetated Wetlands</td>
<td>29260 ft²</td>
</tr>
<tr>
<td>Non-Vegetated Wetlands</td>
<td>162403 ft²</td>
</tr>
<tr>
<td>Subaqueous Bottom</td>
<td>57444 ft²</td>
</tr>
</tbody>
</table>

Total Permitted Wetlands Loss by Type for Richmond County: 1996-1999

<table>
<thead>
<tr>
<th>Community Type</th>
<th>Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetated Wetlands</td>
<td>531 ft²</td>
</tr>
<tr>
<td>Non-Vegetated Wetlands</td>
<td>6417 ft²</td>
</tr>
<tr>
<td>Subaqueous Bottom</td>
<td>1146 ft²</td>
</tr>
</tbody>
</table>

Total Proposed Shoreline Structures and Activities for Richmond County -- 1996-1999

<table>
<thead>
<tr>
<th>Structure Type</th>
<th>Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boat Ramps</td>
<td>445 ft²</td>
</tr>
<tr>
<td>Boat Ramps Open Pile</td>
<td>1 Openpile</td>
</tr>
<tr>
<td>Bulkhead</td>
<td>998 ft</td>
</tr>
<tr>
<td>Groins</td>
<td>11</td>
</tr>
<tr>
<td>Groins</td>
<td>461 ft</td>
</tr>
<tr>
<td>Bulkhead Replacement</td>
<td>100 ft</td>
</tr>
<tr>
<td>Riprap</td>
<td>1759 ft</td>
</tr>
</tbody>
</table>

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.
Richmond County
RAPPAHANNOCK RIVER
Rappahannock River

Project site

Rappahannock River watershed

Tidal Marsh Inventory - TMI
- Arrow Arum-Pickerelweed
- Big Cordgrass
- Black Needlerush
- Brackish Water Mixed
- Cattail
- Freshwater Mixed
- Reed Grass
- Saltbush
- Saltmeadow
- Saltmarsh Cordgrass
- Yellow Pond Lily

Roads
- Primary
- Secondary
- Tertiary
- Open water

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

Application Number: 01-1891
Name: Morton, W. Brown, Jr.
Locality: Richmond County
Waterway: Rappahannock River

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

ACTIVITIES

<table>
<thead>
<tr>
<th></th>
<th>PROPOSED</th>
<th>PERMITTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riprap (ft)</td>
<td>25</td>
<td>_____</td>
</tr>
<tr>
<td>Impact Intertidal Beach Community (Type XIII) (ft²)</td>
<td>250</td>
<td>_____</td>
</tr>
<tr>
<td>Fill Intertidal Beach Community (Type XIII) (ft²)</td>
<td>125</td>
<td>_____</td>
</tr>
<tr>
<td>Impact Subaqueous Bottom (ft²)</td>
<td>30</td>
<td>_____</td>
</tr>
</tbody>
</table>

Comments: __________________________________________________________________________________
________________________________________________________________________________
________________________________________________________________________________
________________________________________________________________________________

Certified by: __________________________________________