VIMS Shoreline Permit Application Report # 01-2042

APPLICANT: STOLTE, ARTHUR M., JR. & STOLTE, ROBERT
Immediate Waterway: Rappahannock River
Locality: LANCASTER COUNTY
Purpose: Shoreline Stabilization
Application Type: Subaqueous
Site Inspection: 12/5/01
Report Date: 12/7/01

STOLTE, ARTHUR M., JR. & STOLTE, ROBERT
Rappahannock River
LANCASTER COUNTY
Shoreline Stabilization
Subaqueous
12/5/01
12/7/01

Type of Activity

<table>
<thead>
<tr>
<th>Proposed Extent</th>
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<tbody>
<tr>
<td>Bulkhead Toe Protection (ft)</td>
</tr>
<tr>
<td>Impact Subaqueous Bottom (ft2)</td>
</tr>
<tr>
<td>Fill Subaqueous Bottom (ft2)</td>
</tr>
</tbody>
</table>

Total Impacts (ft2)

<table>
<thead>
<tr>
<th>Project Location</th>
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<tbody>
<tr>
<td>Lancaster County</td>
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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
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. The individual and cumulative adverse impacts resulting from this bulkhead toe revetment will be minimal.

Karen A. Duhring
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

Lancaster 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

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

Application Number: 01-2042
Name: Stolte, Arthur M., Jr. & Stolte, Robert
Locality: Lancaster County
Waterway: Rappahannock River

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>
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<tbody>
<tr>
<td>Bulkhead Toe Protection (ft)</td>
<td>100</td>
<td>_____</td>
</tr>
<tr>
<td>Impact Subaqueous Bottom (ft2)</td>
<td>600</td>
<td>_____</td>
</tr>
<tr>
<td>Fill Subaqueous Bottom (ft2)</td>
<td>300</td>
<td>_____</td>
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Comments: __________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________

Certified by: __________________________________________