VIMS Shoreline Permit Application Report # 01-9876

APPLICANT: SMITH, VINCENT I. M.
Immediate Waterway: Ware River
Locality: GLOUCESTER COUNTY
Purpose: Erosion Control
Application Type: Wetlands
Site Inspection: 4/23/01
Report Date: 4/27/01

**Type of Activity**

<table>
<thead>
<tr>
<th>Type of Activity</th>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulkhead (ft)</td>
<td>100</td>
</tr>
<tr>
<td>Fill Saltmarsh Cordgrass Community (Type I) (ft2)</td>
<td>400</td>
</tr>
</tbody>
</table>

**Total Impacts (ft2)**

- Total Impacts (Wetlands) 0
- Total Impacts (Subaqueous) 0
- Total Impacts (Beach/Dune) 0
- Total Fill (ft2) 400

**Project Location**

Gloucester County

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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:

The applicant proposes to construct 200 feet of timber bulkhead adjacent to the Ware River in Gloucester County. Construction of the bulkhead as proposed will result in the loss of approximately 400 square feet of Type I vegetated wetlands. Type I wetlands are considered Group One wetlands by the Commonwealth and warrant the highest order of protection.

We recommend that the applicant consider construction of a properly designed riprap marsh toe structure. Bulkheads tend to reflect wave energy and can cause scouring at the face of the bulkhead and at the return walls. A riprap marsh toe structure will protect the vegetated marsh fringe and provide for upland shore protection. If a bulkhead is approved, it should be realigned landward of the marsh vegetation.

[Signature]

Pamela A. Mason
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.
Gloucester County
MIDDLE PENINSULA BAYSHORE
Ware River

Project site
Middle Peninsula Bayshore 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

VIMS Shoreline Permit Application Report # 01-9876
Permit Site Study Area
To Wetlands Board: Please indicate Wetlands Board action on this sheet and return to VIMS

Application Number: 01-9876
Name: Smith, Vincent I. M.
Locality: Gloucester County
Waterway: Ware River

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

<table>
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<th>PERMITTED</th>
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Comments: __________________________________________________________________________________
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Certified by: __________________________________________