## VIMS Shoreline Permit Application Report # 02-1505

### APPLICANT:
JERRY F. & JUDY B. WHIDBY

### Immediate Waterway:
Robinson Creek

### Locality:
MIDDLESEX COUNTY

### Purpose:
Erosion Control

### Application Type:
Wetlands

### Site Inspection:
8/30/02

### Report Date:
9/26/02

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### Type of Activity

<table>
<thead>
<tr>
<th>Activity</th>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riprap (ft)</td>
<td>100</td>
</tr>
<tr>
<td>Impact Saltmarsh Cordgrass Community (Type I) (ft2)</td>
<td>50</td>
</tr>
<tr>
<td>Fill Saltmarsh Cordgrass Community (Type I) (ft2)</td>
<td>25</td>
</tr>
<tr>
<td>Impact Mud Flat Community (Type XVI) (ft2)</td>
<td>550</td>
</tr>
<tr>
<td>Fill Mud Flat Community (Type XVI) (ft2)</td>
<td>275</td>
</tr>
</tbody>
</table>

- Total Impacts (ft2) 600
- Total Impacts (Wetlands) 600
- Total Impacts (Subaqueous) 0
- Total Impacts (Beach/Dune) 0
- Total Fill (ft2) 300

### Project Location

![Project Location](image)

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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 perspective and it is our opinion that the individual and cumulative adverse impacts resulting from this activity can be reduced. During a site visit conducted August 30, 2002 an approximate 36 inch scarp was observed along the proposed project area. However, given the well protected, fetch-limited orientation along this portion of applicant’s shoreline, we recommend constructing the revetment on a 1.5:1 side slope (width: height) to reduce the base width to 4.5 ft. It is our opinion that downsizing the revetment will provide adequate protection to the shoreline while reducing impacts to the marine environment.

David L. O’Brien
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

Middlesex County
RAPPAHANNOCK RIVER
Robinson Creek

Project site
Locality boundaries
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

Rapds
- 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: 02-1505
Name: Jerry F. & Judy B. Whidby
Locality: Middlesex County
Waterway: Robinson Creek

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:________________________________________________________________________________
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________________________________________________________________________________
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Certified by: __________________________________________