**APPLICANT:**
Locality: GLOUCESTER COUNTY
Immediate Waterway: York River
Watershed: YORK RIVER
Purpose: Shoreline Stabilization
Application Type: Wetlands
Site Inspection: 12/17/03
Report Date: 1/8/04

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**Type of Activity**

<table>
<thead>
<tr>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulkhead Toe Protection (ft)</td>
</tr>
<tr>
<td>Fill Sand/Mud Mixed Flat Community (Type XV) (ft²)</td>
</tr>
<tr>
<td>Impact Sand/Mud Mixed Flat Community (Type XV) (ft²)</td>
</tr>
</tbody>
</table>

**Total Impacts (ft²)**: 1040
**Total Impacts (Wetlands)**: 1040
**Total Impacts (Subaqueous)**: 0
**Total Impacts (Beach/Dune)**: 0
**Total Fill (ft²)**: 520

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**Project Location**

![Map of Gloucester County]
The Virginia Institute of Marine Science (VIMS) recognizes that the regulatory process considers all aspects of a particular project, including socioeconomic factors. This report, however, only addresses marine environmental concerns.

Findings & Recommendations:

We have reviewed this proposal from a marine environmental viewpoint. There appear to be the remains of two failed bulkheads along the shoreline. The cross-sectional drawing shows only one structure. The estimated project impacts have been based on the assumption that the revetment will be placed against the landward of the two bulkheads and removing the piles and sheets of the channelward structure as necessary.

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.
To Wetlands Board / VMRC: Please indicate Wetlands Board / VMRC action on this sheet and return to VIMS

Application Number: 03-2433  
Name: Rita J. Kane  
Locality: Gloucester County  
Waterway: York 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>
</tr>
</thead>
<tbody>
<tr>
<td>Bulkhead Toe Protection (ft)</td>
<td>104</td>
<td>____</td>
</tr>
<tr>
<td>Fill Sand/Mud Mixed Flat Community (Type XV) (ft²)</td>
<td>520</td>
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Please specify required modifications: _________________________________________________________
_________________________________________________________________________________________
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