VIMS Shoreline Permit Application Report #03-2251

**APPLICANT:** JOSEPH F. KUBIAK, JR.
**Locality:** NORTHUMBERLAND COUNTY
**Immediate Waterway:** Cranes Creek
**Watershed:** NORTHERN NECK BAYSHORE
**Purpose:** Erosion Control
**Application Type:** Wetlands
**Site Inspection:** 11/17/03
**Report Date:** 11/24/03

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**Type of Activity** | **Proposed Extent**
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Riprap (ft) | 125
Impact Black Needlerush Community (Type III) (ft²) | 70
Fill Black Needlerush Community (Type III) (ft²) | 35
Impact Saltbush Community (Type IV) (ft²) | 75
Fill Saltbush Community (Type IV) (ft²) | 37
Impact Sand Flat Community (Type XIV) (ft²) | 130
Fill Sand Flat Community (Type XIV) (ft²) | 65

Total Impacts (ft²) | 275
Total Impacts (Wetlands) | 275
Total Impacts (Subaqueous) | 0
Total Impacts (Beach/Dune) | 0
Total Fill (ft²) | 137

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**Project Location**

Northumberland County

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Center for Coastal Resources Management
P.O. Box 1346
Gloucester Point, VA 23062-1346

Thomas A. Barnard, Director  (804)684-7380, fax: (804)684-7179, e-mail: http://ccrm.vims.edu/
NOTE

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:

A rock revetment and bank grading are proposed along a forested shoreline with noticeable erosion and bank slumping. There is also a narrow fringe of tidal wetland vegetation and a portion of this marsh will be unavoidably impacted where the new revetment ties into an existing marsh toe structure. The remaining portion of the revetment should be placed entirely landward of the wetland vegetation if possible. Erosion and sediment control measures will be needed until a vegetative cover is restored on the graded bank. Additional information about native plants suitable for this type of sandy bank is available upon request.

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

Application Number: 03-2251
Name: Joseph F. Kubiak, Jr.
Locality: Northumberland County
Waterway: Cranes Creek

Please check here if this application was approved as proposed _____

Complete the form below if the application was modified.

ACTIVITIES

<table>
<thead>
<tr>
<th>PROPOSED</th>
<th>PERMITTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riprap (ft)</td>
<td>125</td>
</tr>
<tr>
<td>Impact Black Needlerush Community (Type III) (ft2)</td>
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</tr>
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<tr>
<td>Impact Saltbush Community (Type IV) (ft2)</td>
<td>75</td>
</tr>
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</tbody>
</table>

Please specify required modifications: ________________________________________________________
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