VIMS Shoreline Permit Application Report # 01-1008

APPLICANT: KOSS, RUSSELL E. & SANDRA N.
Immediate Waterway: James River
Locality: SURRY COUNTY
Purpose: Erosion Control
Application Type: Wetlands
Site Inspection: 8/13/01
Report Date: 8/15/01

Type of Activity Proposed Extent
Riprap (ft) 325
Fill Intertidal Beach Community (Type XIII) (ft2) 975

Total Impacts (ft2) 0
Total Impacts (Wetlands) 0
Total Impacts (Subaqueous) 0
Total Impacts (Beach/Dune) 0
Total Fill (ft2) 975

Project Location

Surry County

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
ATTENTION

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.

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.

Comments:

We have reviewed this proposal from a marine environmental viewpoint and it is our opinion that the individual and cumulative adverse impacts resulting from this activity will be minimal provided the existing core stone can be removed without significant loss of sand from the beach and the new structure is aligned at or above mean high water and as close to the toe of slope as feasible.

Thomas A. Barnard, Ph.D.
Marine Scientist
Total Permitted Wetlands Loss by Type for LOWER JAMES RIVER (TIDAL) : 1996-1999

<table>
<thead>
<tr>
<th>Community Type</th>
<th>Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetated Wetlands</td>
<td>165955 ft²</td>
</tr>
<tr>
<td>Non-Vegetated Wetlands</td>
<td>118909 ft²</td>
</tr>
<tr>
<td>Subaqueous Bottom</td>
<td>521981 ft²</td>
</tr>
</tbody>
</table>

Total Permitted Wetlands Loss by Type for Surry County : 1996-1999

<table>
<thead>
<tr>
<th>Community Type</th>
<th>Extent</th>
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</thead>
<tbody>
<tr>
<td>Vegetated Wetlands</td>
<td>5745 ft²</td>
</tr>
<tr>
<td>Non-Vegetated Wetlands</td>
<td>375 ft²</td>
</tr>
<tr>
<td>Subaqueous Bottom</td>
<td>6005 ft²</td>
</tr>
</tbody>
</table>

Total Proposed Shoreline Structures and Activities for Surry County -- 1996-1999

<table>
<thead>
<tr>
<th>Structure Type</th>
<th>Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boat Ramps</td>
<td>480 ft²</td>
</tr>
<tr>
<td>Breakwater</td>
<td>330 ft</td>
</tr>
<tr>
<td>Commercial Structure</td>
<td>2040 ft²</td>
</tr>
<tr>
<td>Groins</td>
<td>1</td>
</tr>
<tr>
<td>Groins</td>
<td>10 ft</td>
</tr>
<tr>
<td>Beach Nourishment</td>
<td>21600 ft²</td>
</tr>
<tr>
<td>Beach Nourishment</td>
<td>240 ft</td>
</tr>
<tr>
<td>Riprap</td>
<td>891 ft</td>
</tr>
</tbody>
</table>

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.
Permit Site Study Area

Surry County
LOWER JAMES RIVER (TIDAL)
James River

Project site

Lower James River (Tidial) watershed

Tidal Marsh Inventory - TMI
- Arrow Arum-Pickeralweeed
- Big Cordgrass
- Black Needlerush
- Brackish Water Mixed
- Cattail
- Freshwater Mixed
- Reed Grass
- Saltbush
- Saltmeadow
- Saltmarsh Cordgrass
- Yellow Pond Lily

Rods
- Primary
- Secondary
- Tertiary
- Open water

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

Application Number:  01-1008
Name:  Koss, Russell E. & Sandra N.
Locality:  Surry County
Waterway:  James River

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>
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<td>325</td>
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<td>Fill Intertidal Beach Community (Type XIII) (ft²)</td>
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Comments:  
________________________________________________________________________________
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Certified by:  ________________________________

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