VIMS Shoreline Permit Application Report # 02-0449

APPLICANT: DONALD B. CONORD
Immediate Waterway: Barnes Creek
Locality: NORTHUMBERLAND COUNTY
Purpose: Erosion Control
Application Type: Wetlands
Site Inspection: 3/21/02
Report Date: 3/26/02

Type of Activity

<table>
<thead>
<tr>
<th>Proposed Extent</th>
<th>Project Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riprap (ft)</td>
<td></td>
</tr>
<tr>
<td>Impact Saltmarsh Cordgrass Community (Type I) (ft2)</td>
<td>1044</td>
</tr>
<tr>
<td>Fill Saltmarsh Cordgrass Community (Type I) (ft2)</td>
<td>522</td>
</tr>
<tr>
<td>Total Impacts (ft2)</td>
<td>1044</td>
</tr>
<tr>
<td>Total Impacts (Wetlands)</td>
<td>1044</td>
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<tr>
<td>Total Impacts (Subaqueous)</td>
<td>0</td>
</tr>
<tr>
<td>Total Impacts (Beach/Dune)</td>
<td>0</td>
</tr>
<tr>
<td>Total Fill (ft2)</td>
<td>522</td>
</tr>
</tbody>
</table>

Northumberland 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
ANNOUNCEMENT

Information provided in this report is only the environmental and marine resources input into the decision making process and 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.

Comments:

We have reviewed this proposal from a marine environmental viewpoint. A riprap revetment is proposed along a shoreline with a fringe of tidal wetland vegetation. If the riprap is carefully placed against the undercut bank and landward of the marsh vegetation as flagged, then unavoidable impacts to the wetland vegetation will be minimized.

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

Application Number: 02-0449
Name: Donald B. Conord
Locality: Northumberland County
Waterway: Barnes Creek

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>Riprap (ft)</td>
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<td>_____</td>
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<td>1044</td>
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<tr>
<td>Fill Saltmarsh Cordgrass Community (Type I) (ft2)</td>
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<td>_____</td>
</tr>
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Comments: __________________________________________________________________________________
__________________________________________________________________________________
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Certified by: __________________________________________