VIMS Shoreline Permit Application Report # 02-2058

APPLICANT:  THOMAS J. GIBSON
Immediate Waterway:  Indian Creek
Locality:  NORTHUMBERLAND COUNTY
Purpose:  Erosion Control
Application Type:  Wetlands
Site Inspection:  11/19/02
Report Date:  11/27/02

<table>
<thead>
<tr>
<th>Type of Activity</th>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riprap (ft)</td>
<td>495</td>
</tr>
<tr>
<td>Impact Sand/Mud Mixed Flat Community (Type XV) (ft²)</td>
<td>2970</td>
</tr>
<tr>
<td>Fill Sand/Mud Mixed Flat Community (Type XV) (ft²)</td>
<td>1485</td>
</tr>
<tr>
<td>Total Impacts (ft²)</td>
<td>2970</td>
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<tr>
<td>Total Impacts (Wetlands)</td>
<td>2970</td>
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<tr>
<td>Total Impacts (Subaqueous)</td>
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<tr>
<td>Total Impacts (Beach/Dune)</td>
<td>0</td>
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<tr>
<td>Total Fill (ft²)</td>
<td>1485</td>
</tr>
</tbody>
</table>

Project Location

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
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 viewpoint. A riprap revetment is proposed along a forested shoreline with noticeable erosion and bank undercutting. The individual and cumulative adverse impacts resulting from this activity will be minimized if the revetment is constructed as proposed.

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: 02-2058
Name: Thomas J. Gibson
Locality: Northumberland County
Waterway: Indian 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></th>
<th>PROPOSED</th>
<th>PERMITTED</th>
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<tbody>
<tr>
<td>Riprap (ft)</td>
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<td>___</td>
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<tr>
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<td>2970</td>
<td>___</td>
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</tbody>
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Comments: __________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________

Certified by: __________________________________________