VIMS Shoreline Permit Application Report # 01-0563

APPLICANT: WHITE, JEFF V.
Immediate Waterway: Barn Creek
Locality: MATHEWS COUNTY
Purpose: Erosion Control
Application Type: Wetlands, Subaqueous
Site Inspection: 4/18/01
Report Date: 6/21/01

Type of Activity | Proposed Extent | Project Location
--- | --- | ---
Breakwater (ft) | 64 | Mathews County
Breakwater |
Impact Subaqueous Bottom (ft2) | 192 | |
Fill Subaqueous Bottom (ft2) | 96 | |
Impact Intertidal Beach Community (Type XIII) (ft2) | 192 | |
Fill Intertidal Beach Community (Type XIII) (ft2) | 96 | |
Riprap (ft) | 54 | |
Impact Sand Flat Community (Type XIV) (ft2) | 243 | |
Fill Sand Flat Community (Type XIV) (ft2) | 121 | |
Total Impacts (ft2) | 627 | |
Total Impacts (Wetlands) | 435 | |
Total Impacts (Subaqueous) | 192 | |
Total Impacts (Beach/Dune) | 0 | |
Total Fill (ft2) | 313 | |
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 application from a marine environmental perspective and it is our opinion that the individual and cumulative adverse impacts resulting from the proposed 54 foot riprap revetment and 64 foot near-shore breakwater will be minimal provided the height of the breakwater is designed with a maximum height not to exceed mean high water.

David L. O'Brien
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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Permit Site Study Area

Mathews County
MIDDLE PENINSULA BAYSHORE
Barn Creek
To Wetlands Board: Please indicate Wetlands Board action on this sheet and return to VIMS

Application Number: 01-0563
Name: White, Jeff V.
Locality: Mathews County
Waterway: Barn 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>Breakwater (ft)</td>
<td>64</td>
<td>___</td>
</tr>
<tr>
<td>Breakwater 1 Units</td>
<td>1</td>
<td>___</td>
</tr>
<tr>
<td>Impact Subaqueous Bottom (ft2)</td>
<td>192</td>
<td>___</td>
</tr>
<tr>
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<td>121</td>
<td>___</td>
</tr>
</tbody>
</table>

Comments: __________________________________________________________________________________
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__________________________________________________________________________________

Certified by: ____________________________________________

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