VIMS Shoreline Permit Application Report # 02-0494

APPLICANT: MELVIN & LAURA HESS
Immediate Waterway: Canal
Locality: ACCOMACK COUNTY
Purpose: Erosion Control
Application Type: Wetlands
Site Inspection: 4/4/02
Report Date: 4/16/02

Type of Activity

<table>
<thead>
<tr>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulkhead (ft)</td>
</tr>
<tr>
<td>Fill Sand/Mud Mixed Flat Community (Type XV) (ft2)</td>
</tr>
<tr>
<td>Impact Sand/Mud Mixed Flat Community (Type XV) (ft2)</td>
</tr>
<tr>
<td>Total Impacts (ft2)</td>
</tr>
<tr>
<td>Total Impacts (Wetlands)</td>
</tr>
<tr>
<td>Total Impacts (Subaqueous)</td>
</tr>
<tr>
<td>Total Impacts (Beach/Dune)</td>
</tr>
<tr>
<td>Total Fill (ft2)</td>
</tr>
</tbody>
</table>

Project Location

Accomack County
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.

Thomas A. Barnard, Ph.D.
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.
Permit Site Study Area

Accomack County
EASTERN SHORE BAYSIDE
Canal

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

Roads
- Primary
- Secondary
- Tertiary
- Open water

Project site

Eastern Shore Bayside watershed

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

Application Number: 02-0494
Name: Melvin & Laura Hess
Locality: Accomack County
Waterway: Canal

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>Bulkhead (ft)</td>
<td>97</td>
<td>____</td>
</tr>
<tr>
<td>Fill Sand/Mud Mixed Flat Community (Type XV) (ft2)</td>
<td>200</td>
<td>____</td>
</tr>
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Comments: __________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________
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Certified by: __________________________________________