VIMS Shoreline Permit Application Report # 02-2310

<table>
<thead>
<tr>
<th>Type of Activity</th>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulkhead Toe Protection (ft)</td>
<td>135</td>
</tr>
<tr>
<td>Impact Subaqueous Bottom (ft²)</td>
<td>1080</td>
</tr>
<tr>
<td>Fill Subaqueous Bottom (ft²)</td>
<td>540</td>
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</tbody>
</table>

| Total Impacts (ft²)                     | 1080            |
| Total Impacts (Wetlands)               | 0               |
| Total Impacts (Subaqueous)             | 1080            |
| Total Impacts (Beach/Dune)             | 0               |
| Total Fill (ft²)                       | 540             |
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 perspective and it is our opinion that the individual and cumulative adverse impacts resulting from this activity will be minimal.

[Signature]
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.
City of Norfolk
LOWER JAMES RIVER (TIDAL)
Lafayette River

Permit Site Study Area

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

Inter tidal flat

Locality boundaries

Project site

0 0.5 1 Miles

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

Application Number: 02-2310
Name: William E. & Melinda G. Wood
Locality: City of Norfolk
Waterway: Lafayette River

Please check here if this application was approved as proposed  
Complete the form below if the application was modified.

<table>
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<th>ACTIVITIES</th>
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Comments: __________________________________________________________________________________
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Certified by: __________________________________________