VIMS Shoreline Permit Application Report # 03-1299

APPLICANT: LUCY BUNCH
Locality: CITY OF VIRGINIA BEACH
Immediate Waterway: Broad Bay
Watershed: SOUTHERN BAYSHORE
Purpose: Erosion Control
Application Type: Wetlands
Site Inspection: 7/7/03
Report Date: 7/14/03

Type of Activity

<table>
<thead>
<tr>
<th>Proposed Extent</th>
<th>Project Location</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bulkhead Replacement (ft)</strong></td>
<td><strong>23</strong></td>
</tr>
<tr>
<td>Fill Mud Flat Community (Type XVI) (ft2)</td>
<td>23</td>
</tr>
<tr>
<td>Impact Mud Flat Community (Type XVI) (ft2)</td>
<td>23</td>
</tr>
<tr>
<td><strong>Total Impacts (ft2)</strong></td>
<td><strong>23</strong></td>
</tr>
<tr>
<td>Total Impacts (Wetlands)</td>
<td>23</td>
</tr>
<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><strong>23</strong></td>
</tr>
</tbody>
</table>
NOTE
The Virginia Institute of Marine Science (VIMS) recognizes that the regulatory process considers all aspects of a particular project, including socioeconomic factors. This report, however, only addresses marine environmental concerns.

Findings & Recommendations:

From a marine environmental viewpoint and it is our opinion that the individual and cumulative adverse impacts resulting from this activity will be relatively minimal.

Walter I. Priest, III
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

City of Virginia Beach
SOUTHERN BAYSHORE
Broad Bay

Project site

Southern Bayshore watershed

- Shoreline
- 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

Intertidal flat

Open water

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

Application Number: 03-1299
Name: Lucy Bunch
Locality: City of Virginia Beach
Waterway: Broad Bay

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 Replacement (ft)</td>
<td>23</td>
<td>_____</td>
</tr>
<tr>
<td>Fill Mud Flat Community (Type XVI) (ft2)</td>
<td>23</td>
<td>_____</td>
</tr>
<tr>
<td>Impact Mud Flat Community (Type XVI) (ft2)</td>
<td>23</td>
<td>_____</td>
</tr>
</tbody>
</table>

Please specify required modifications: ______________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________

Thomas A. Barnard, Director