VIMS Shoreline Permit Application Report # 02-1860

APPLICANT: ERIC OLSON
Immediate Waterway: Lynnhaven River
Locality: CITY OF VIRGINIA BEACH
Purpose: Erosion Control
Application Type: Wetlands
Site Inspection: 1/14/03
Report Date: 1/23/03

Type of Activity                                      Proposed Extent
Riprap (ft)                                           200
  Fill Brackish Water Mixed Community (Type XII) (ft2) 500
  Impact Brackish Water Mixed Community (Type XII) (ft2) 500
  Impact Sand/Mud Mixed Flat Community (Type XV) (ft2) 500
Marsh Toe (ft)                                         400
  Fill Sand/Mud Mixed Flat Community (Type XV) (ft2) 1000
  Impact Sand/Mud Mixed Flat Community (Type XV) (ft2) 2000

Total Impacts (ft2)                                   3000
  Total Impacts (Wetlands)                            3000
  Total Impacts (Subaqueous)                          0
  Total Impacts (Beach/Dune)                          0
Total Fill (ft2)                                       1500

Project Location

City of Virginia Beach
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 have no objection to the project as proposed. Nonetheless, this is an extremely dynamic reach of shoreline with an extensive fetch and very high velocity tidal currents where one marsh planting has already failed. The proposed project will hopefully stabilize the shoreline while preserving some measure of its natural character. However, it may not be able to protect it effectively and more extensive structures may be necessary in the future.

[Signature]
Walter T. 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.
City of Virginia Beach
SOUTHERN BAYSHORE
Lynnhaven River

Permit Site Study Area

Open water
Intertidal flat
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

Southern Bayshore watershed
Project site

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

Application Number: 02-1860
Name: Eric Olson
Locality: City of Virginia Beach
Waterway: Lynnhaven River

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

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<thead>
<tr>
<th>ACTIVITIES</th>
<th>PROPOSED</th>
<th>PERMITTED</th>
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Comments: __________________________________________________________________________________
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Certified by: __________________________________________