VIMS Shoreline Permit Application Report # 02-1866

APPLICANT: BRIAN FORD
Immediate Waterway: Windmill Point Creek
Locality: LANCASTER COUNTY
Purpose: Erosion Control
Application Type: Wetlands
Site Inspection: 11/7/02
Report Date: 11/8/02

Type of Activity | Proposed Extent
--- | ---
Bulkhead (ft) | 188
Impact Sand/Mud Mixed Flat Community (Type XV) (ft2) | 376
Fill Sand/Mud Mixed Flat Community (Type XV) (ft2) | 376
Total Impacts (ft2) | 376
Total Impacts (Wetlands) | 376
Total Impacts (Subaqueous) | 0
Total Impacts (Beach/Dune) | 0
Total Fill (ft2) | 376

Project Location

Virginia Institute of Marine Science
School of Marine Science
P.O. Box 1346, Route 1208 Greate Road
Gloucester Point, Virginia 23062-1346
phone: (804)684-7380, fax: (804)684-7179, e-mail: wetlands@vims.edu
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 proposal from a marine environmental viewpoint. A bulkhead is proposed along a canal shoreline with noticeable bank undercutting and erosion. The individual and cumulative adverse impacts resulting from this activity will be minimal if the bulkhead is constructed as proposed.

There is an area of reed grass (Phragmites australis) growing at the west end of the proposed bulkhead. This is an invasive species which easily spreads into construction areas and is difficult to control once it becomes established. The reed grass should be left undisturbed as much as possible and the backfill areas should be seeded right after bulkhead construction to minimize the spread of reed grass further along this shoreline.

Karen A. Duhring
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.
To Wetlands Board: Please indicate Wetlands Board action on this sheet and return to VIMS

Application Number: 02-1866
Name: Brian Ford
Locality: Lancaster County
Waterway: Windmill Point Creek

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

ACTIVITIES

<table>
<thead>
<tr>
<th>PROPOSED</th>
<th>PERMITTED</th>
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<tbody>
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Comments:
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Certified by: __________________________________________