VIMS Shoreline Permit Application Report # 03-0469

APPLICANT: TERRI L. MCMILLAN
Immediate Waterway: Lafayette River
Locality: CITY OF NORFOLK
Purpose: Erosion Control
Application Type: Wetlands
Site Inspection: 4/25/03
Report Date: 4/30/03

Type of Activity                           Proposed Extent
Riprap (ft)                                52
  Impact Mud Flat Community (Type XVI) (ft2) 312
  Fill Mud Flat Community (Type XVI) (ft2) 156
Total Impacts (ft2)                        312
  Total Impacts (Wetlands)                  312
  Total Impacts (Subaqueous)                0
  Total Impacts (Beach/Dune)                0
Total Fill (ft2)                           156

City of Norfolk
ANNOUNCEMENT

Information provided in this report is only the environmental and marine resources input into the decision making process and 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.

Comments:

We have reviewed this proposal from a marine environmental perspective and it is our opinion that approximately 312 sq. ft. of nonvegetated wetlands will be directly impacted from the proposed 52 ft. riprap revetment. However, it is unclear from the application whether or not the applicant intends to fill behind the proposed revetment (see appendix H, question #6 and cross-section drawing “sheet 3 of 4”).

It is our opinion that the individual and cumulative adverse impacts resulting from the proposed revetment will be minimal provided no fill material is placed upon vegetated wetlands located landward of the bulkhead and that the proposed seeding of the “existing grade to remain” include appropriate wetland species.

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.
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Permit Site Study Area

City of Norfolk
LOWER JAMES RIVER (TIDAL)
Lafayette River

Project site

Locality boundaries

Lower James River (Tidal) watershed

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

Intertidal flat

Open water

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

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Name: Terri L. McMillan
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.

ACTIVITIES

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