**VIMS Shoreline Permit Application Report # 01-0710**

**APPLICANT:** DUDLEY, JAMES W.  
Immediate Waterway: Chesapeake Bay  
Locality: MIDDLESEX COUNTY  
Purpose: Shoreline Stabilization  
Application Type: Wetlands, Subaqueous  
Site Inspection: 5/8/01  
Report Date: 6/1/01

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**Type of Activity** | **Proposed Extent** | **Project Location**  
--- | --- | ---  
Groins (ft) | 48 |  
Groins | 1 Unit(s) |  
Impact Sand Flat Community (Type XIV) (ft2) | 6 |  
Fill Sand Flat Community (Type XIV) (ft2) | 6 |  
Impact Subaqueous Bottom (ft2) | 42 |  
Fill Subaqueous Bottom (ft2) | 42 |  
Total Impacts (ft2) | 48 |  
Total Impacts (Wetlands) | 6 |  
Total Impacts (Subaqueous) | 42 |  
Total Impacts (Beach/Dune) | 0 |  
Total Fill (ft2) | 48 |
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 application from a marine environmental perspective and it is our opinion that the individual and cumulative adverse impacts resulting from the proposed 48 ft. low profile groin 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.
Permit Site Study Area

Middlesex County
RAPPAHANNOCK RIVER
Chesapeake Bay

- Open water
- Roads: Primary, Secondary, Tertiary
- 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
- Locality boundaries
- Rappahannock River watershed

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

Application Number: 01-0710
Name: Dudley, James W.
Locality: Middlesex County
Waterway: Chesapeake Bay

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

**ACTIVITIES**

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