**VIMS Shoreline Permit Application Report # 03-0824**

**APPLICANT:** RALPH A. NAPPI, JR.

**Immediate Waterway:** Potomac River  
**Locality:** NORTHUMBERLAND COUNTY  
**Purpose:** Erosion Control  
**Application Type:** Wetlands, Subaqueous, Beach/Dune  
**Site Inspection:** 5/15/03  
**Report Date:** 5/23/03

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**Type of Activity**

<table>
<thead>
<tr>
<th></th>
<th>Proposed Extent</th>
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<tbody>
<tr>
<td>Groins (ft)</td>
<td>126</td>
</tr>
<tr>
<td>Groins</td>
<td>2 Unit(s)</td>
</tr>
<tr>
<td>Impact Intertidal Beach Community (Type XIII) (ft2)</td>
<td>25</td>
</tr>
<tr>
<td>Fill Intertidal Beach Community (Type XIII) (ft2)</td>
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**Total Impacts (ft2)**  
**Total Impacts (Wetlands)**  
**Total Impacts (Subaqueous)**  
**Total Impacts (Beach/Dune)**  
**Total Fill (ft2)**  

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**Project Location**

Northumberland County

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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
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:

Two low-profile groins are proposed to replace existing groins that are beginning to deteriorate. These groins are located in the VirMar beach area, with other similar groins located both up and downriver. The beach profile within this groin field is fairly uniform, which indicates the groins are functioning and there is an adequate sand supply available. The proposed replacement groins are not expected to result in significant environmental impacts, although there may be temporary, localized erosion and adjustment to the beach profile after the new structures are installed.

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.
Permit Site Study Area

Northumberland County
LOWER POTOMAC RIVER
Potomac River

Open water
Intertidal flat
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

Project site
Lower Potomac River watershed
To Wetlands Board: Please indicate Wetlands Board action on this sheet and return to VIMS

Application Number: 03-0824
Name: Ralph A. Nappi, Jr.
Locality: Northumberland County
Waterway: Potomac River

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

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

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