VIMS Shoreline Permit Application Report # 02-1164

**APPLICANT:**

<table>
<thead>
<tr>
<th>Immediate Waterway</th>
<th>Locality</th>
<th>Purpose</th>
<th>Application Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cranes Creek</td>
<td>NORTHUMBERLAND COUNTY</td>
<td>Water Access</td>
<td>Wetlands, Subaqueous</td>
</tr>
</tbody>
</table>

**Application Type:** Wetlands, Subaqueous

**Site Inspection:** 6/21/02

**Report Date:** 7/2/02

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**Type of Activity**

<table>
<thead>
<tr>
<th>Proposed Extent</th>
<th>Project Location</th>
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<tbody>
<tr>
<td><strong>Boat Ramps (ft²)</strong></td>
<td></td>
</tr>
<tr>
<td>Impact Intertidal Beach Community (Type XIII) (ft²)</td>
<td>180</td>
</tr>
<tr>
<td>Fill Intertidal Beach Community (Type XIII) (ft²)</td>
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<tr>
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</tr>
<tr>
<td><strong>Total Impacts (ft²)</strong></td>
<td>360</td>
</tr>
<tr>
<td><strong>Total Impacts (Wetlands)</strong></td>
<td>180</td>
</tr>
<tr>
<td><strong>Total Impacts (Subaqueous)</strong></td>
<td>180</td>
</tr>
<tr>
<td><strong>Total Impacts (Beach/Dune)</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>Total Fill (ft²)</strong></td>
<td>360</td>
</tr>
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</table>

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
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. The existing public boat ramp at Cranes Creek is cracked and deteriorating. A new concrete ramp on a gravel base is proposed matching the dimensions of the existing ramp. The individual and cumulative adverse impacts resulting from this activity will be minimal.

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
NORTHERN NECK BAYSHORE
Cranes Creek

Project site

Northern Neck Bayshore watershed

Tidal Marsh Inventory - TMI
- Arrow Arum-Pickerelweed
- Big Cordgrass
- Black Needle rush
- Brackish Water Mixed
- Cattail
- Freshwater Mixed
- Reed Grass
- Saltbush
- Salt meadow
- Saltmarsh Cordgrass
- Yellow Pond Lily

Roads
- Primary
- Secondary
- Tertiary

Intertidal flat

Open water

N

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

Application Number: 02-1164  
Name: Northumberland County  
Locality: Northumberland County  
Waterway: Cranes Creek  

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

<table>
<thead>
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<th>ACTIVITIES</th>
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<th>PERMITTED</th>
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Comments: __________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________

Certified by: __________________________________________