VIMS Shoreline Permit Application Report # 02-1615

APPLICANT: A. C. PULLIAM, JR.
Immediate Waterway: Fiddlers Creek
Locality: CITY OF NEWPORT NEWS
Purpose: Improve Navigation
Application Type: Wetlands
Site Inspection: 11/14/02
Report Date: 02-1615

There are no photos available for this permit site.

<table>
<thead>
<tr>
<th>Type of Activity</th>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance dredging (yd3)</td>
<td>54</td>
</tr>
<tr>
<td>Impact Mud Flat Community (Type XVI) (ft2)</td>
<td>525</td>
</tr>
<tr>
<td>Impact Subaqueous Bottom (ft2)</td>
<td>525</td>
</tr>
<tr>
<td>Total Impacts (ft2)</td>
<td>1050</td>
</tr>
<tr>
<td>Total Impacts (Wetlands)</td>
<td>525</td>
</tr>
<tr>
<td>Total Impacts (Subaqueous)</td>
<td>525</td>
</tr>
<tr>
<td>Total Impacts (Beach/Dune)</td>
<td>0</td>
</tr>
<tr>
<td>Total Fill (ft2)</td>
<td>0</td>
</tr>
</tbody>
</table>
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 and it is our opinion that the individual and cumulative adverse impacts resulting from this activity will be temporary and relatively innocuous in character. The dredging will convert the mud flat to shallow water habitat and will increase turbidity in the water as long as the backhoe is working. The bottom-dwelling organisms in the mud should repopulate within 12 to 18 months after the dredging but the new community is likely to be somewhat different in character since it will now be covered with water at all times.

[Signature]
Thomas A. Barnard, Ph.D.
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: 02-1615
Name: A. C. Pulliam, Jr.
Locality: City of Newport News
Waterway: Fiddlers 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>
</tr>
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<tbody>
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<td>Maintenance dredging (yd3)</td>
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<td>525</td>
</tr>
</tbody>
</table>

Comments: __________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________

Certified by: __________________________________________

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Gloucester Point, Virginia 23062-1346
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William & Mary
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School of Marine Science