VIMS Shoreline Permit Application Report # 01-0442

**APPLICANT:** PRITCHARD, HIRAM T., JR.
**Immediate Waterway:** Piankatank River
**Locality:** MIDDLESEX COUNTY
**Purpose:** Shoreline Stabilization
**Application Type:** Wetlands
**Site Inspection:** 4/10/01
**Report Date:** 4/25/01

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<table>
<thead>
<tr>
<th>Type of Activity</th>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marsh Toe (ft)</td>
<td>60</td>
</tr>
<tr>
<td>Impact Sand Flat Community (Type XIV) (ft²)</td>
<td>240</td>
</tr>
<tr>
<td>Fill Sand Flat Community (Type XIV) (ft²)</td>
<td>80</td>
</tr>
<tr>
<td>Total Impacts (ft²)</td>
<td>240</td>
</tr>
<tr>
<td>Total Impacts (Wetlands)</td>
<td>240</td>
</tr>
<tr>
<td>Total Impacts (Subaqueous)</td>
<td>0</td>
</tr>
<tr>
<td>Total Impacts (Beach/Dune)</td>
<td>0</td>
</tr>
<tr>
<td>Total Fill (ft²)</td>
<td>80</td>
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Certain assumptions were used in determining the marine environmental impacts potentially resulting from this proposal. These were necessitated by information voids resulting from application noncompliance with the Virginia Code 28.2-1302 and the Joint Permit Application.

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**Project Location**

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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:

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 marsh sill will be minimal provided the structure is placed channelward of existing fringe marsh vegetation and the crest elevation of the structure does not exceed mean high water (MHW). As proposed in the application, the area immediately behind the sill should be sprigged with smooth cordgrass (Spartina alterniflora) to further reduce wave energy and erosion.

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
MIDDLE PENINSULA BAYSHORE
Piankatank River

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
Middle Peninsula Bayshore watershed

Project site

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

Application Number: 01-0442
Name: Pritchard, Hiram T., Jr.
Locality: Middlesex County
Waterway: Piankatank River

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

ACTIVITIES

<table>
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<th>PERMITTED</th>
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Comments: ____________________________________________________________
__________________________________________________________
__________________________________________________________
__________________________________________________________

Certified by: __________________________________________