VIMS Shoreline Permit Application Report # 01-0696

APPLICANT: DELAWARE, STATE OF - DEPT OF NATURAL R
Immediate Waterway: Chincoteague Bay
Locality: ACCOMACK COUNTY
Purpose: Other
Application Type: Subaqueous
Site Inspection: 7/2/01
Report Date: 7/3/01

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>New Dredging (yd³)</td>
<td>1</td>
</tr>
<tr>
<td>Impact Subaqueous Bottom (ft²)</td>
<td>36</td>
</tr>
<tr>
<td>Total Impacts (ft²)</td>
<td>36</td>
</tr>
<tr>
<td>Total Impacts (Wetlands)</td>
<td>0</td>
</tr>
<tr>
<td>Total Impacts (Subaqueous)</td>
<td>36</td>
</tr>
<tr>
<td>Total Impacts (Beach/Dune)</td>
<td>0</td>
</tr>
<tr>
<td>Total Fill (ft²)</td>
<td>0</td>
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</tbody>
</table>

Project Location

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
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 minimal.

The activity involves the removal of widely spaced shovel-fulls of sediment/eelgrass in ten episodes annually. The impacts are minimal and temporary and total less than 1 cubic yard and 36 Sq. Ft. Ten years of research has shown no permanent damage to the donor grass bed using the prescribed technique. Because the proposed donor bed has the same salinity and is an older established bed, it is an ideal location from which to take plants. The more northern Maryland beds are much younger and there are no nursery sources of eel grass for this activity.

Delaware Inland Bay, already has established plants in the proposed transplant area and the applicant meets all of the SAV transplant guidelines. Because the Delaware Inland Bay is part of the Eastern Shore Coastal Bay System, the establishment of SAV beds will ultimately benefit Virginia and other coastal states by providing a greater range of habitats for waterfowl use, fin fish and bay scallops throughout this Eastern Shore region. We do not see a downside to this proposal from an environmental perspective.

[Signature]
William L. Roberts
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

Accomack County
ATLANTIC OCEAN COASTAL - EASTERN SHORE
Chincoteague Bay

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Project site

Atlantic Ocean Coastal - Eastern Shore watershed

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

SAV - 1998
- Less than 10%
- 10-40%
- 40-70%
- 70-100%

Roads
- Primary
- Secondary
- Tertiary
- Open water

0 0.5 1 Miles

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

Application Number: 01-0696
Name: Delaware, State of - Dept of Natural Res
Locality: Accomack County
Waterway: Chincoteague Bay

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

<table>
<thead>
<tr>
<th>ACTIVITIES</th>
<th>PROPOSED</th>
<th>PERMITTED</th>
</tr>
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<tr>
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Comments: __________________________________________________________________________________
__________________________________________________________________________________
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Certified by: ________________________________