VIMS Shoreline Permit Application Report # 02-0229

APPLICANT: RICK NELSON  
Immediate Waterway: Chesapeake Bay  
Locality: TOWN OF CAPE CHARLES  
Purpose: Erosion Control  
Application Type: Beach/Dune, Subaqueous  
Site Inspection: 3/7/02  
Report Date: 3/11/02

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.

<table>
<thead>
<tr>
<th>Type of Activity</th>
<th>Proposed Extent</th>
<th>Project Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulkhead (ft)</td>
<td>144</td>
<td>Town of Cape Charles</td>
</tr>
<tr>
<td>Fill Beach/Dune (ft2)</td>
<td>2100</td>
<td></td>
</tr>
<tr>
<td>Impact Beach/Dune (ft2)</td>
<td>2100</td>
<td></td>
</tr>
<tr>
<td>Total Impacts (ft2)</td>
<td>2100</td>
<td></td>
</tr>
<tr>
<td>Total Impacts (Wetlands)</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Total Impacts (Subaqueous)</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Total Impacts (Beach/Dune)</td>
<td>2100</td>
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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
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, given the existing hardening of this reach of shoreline in both north and south directions, the individual and cumulative adverse impacts resulting from this activity will be minimal.

[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.
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Permit Site Study Area

Town of Cape Charles
EASTERN SHORE BAYSIDE
Chesapeake Bay

Project site
Eastern Shore Bayside 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

Roads
- Primary
- Secondary
- Tertiary
- Open water

0 0.5 1 Miles

N
To Wetlands Board: Please indicate Wetlands Board action on this sheet and return to VIMS

Application Number: 02-0229
Name: Rick Nelson
Locality: Town of Cape Charles
Waterway: Chesapeake 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>
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<th>PERMITTED</th>
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Comments: __________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________
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Certified by: __________________________________________