VIMS Shoreline Permit Application Report # 02-2325

APPLICANT: DAN AND BECKY YATES
Immediate Waterway: Atlantic Ocean
Locality: CITY OF VIRGINIA BEACH
Purpose: Residential Construction
Application Type: Beach/Dune
Site Inspection: 12/9/02
Report Date: 12/13/02

DAN AND BECKY YATES
Atlantic Ocean
CITY OF VIRGINIA BEACH
Residential Construction
Beach/Dune
12/9/02
12/13/02

Type of Activity

<table>
<thead>
<tr>
<th>Proposed Extent</th>
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<tbody>
<tr>
<td>Residential Structure (ft2) 4500</td>
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<tr>
<td>Fill Beach/Dune (ft2) 1500</td>
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<tr>
<td>Impact Beach/Dune (ft2) 4500</td>
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<tr>
<td>Total Impacts (ft2) 4500</td>
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<tr>
<td>Total Impacts (Wetlands) 0</td>
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<tr>
<td>Total Impacts (Subaqueous) 0</td>
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<tr>
<td>Total Impacts (Beach/Dune) 4500</td>
</tr>
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Project Location

City of Virginia Beach
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:

It is our opinion that the individual and cumulative adverse environmental impacts resulting from a portion of this project warrant careful consideration. The following report summarizes these impacts and, where appropriate, suggests alternatives to minimize environmental effects.

The proposed project is basically the redevelopment of a lot with an existing house. This redevelopment will result in a substantial increase in the size of the house on the lot, both laterally and channelward. Construction activity will also include leveling the dunes on the lot and an enlarged parking area.

Since there is already an existing house on the lot, the impacts will largely be limited to the areas outside of the existing footprint, specifically the grading of the formative dunes on either side of the house and the parking area.

From the viewpoint of the marine environment, it would be preferable to keep the sand grading activities to a minimum and reduce the channelward encroachment of the house. This would help maintain the integrity of the existing dunes which afford protection to this and adjacent properties.

Thomas A. Barnard, Ph.D.
Marine Scientist

Walter D. Priest, III
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

City of Virginia Beach
CHOWAN RIVER
Atlantic Ocean

- Open water
- Intertidal flat
- Shoreline
- 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

Project site
Chowan River watershed

0 0.5 1 Miles

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

Application Number: 02-2325
Name: Dan and Becky Yates
Locality: City of Virginia Beach
Waterway: Atlantic Ocean

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: ___________________________________________________________