VIMS Shoreline Permit Application Report # 01-0760

APPLICANT: COWART, S. LAKE, JR.
Immediate Waterway: Coan River
Locality: NORTHUMBERLAND COUNTY
Purpose: Erosion Control
Application Type: Wetlands, Subaqueous
Site Inspection: 5/18/01
Report Date: 5/29/01

Project Location

Type of Activity          Proposed Extent

Riprap (ft)               63
   Impact Sand/Mud Mixed Flat Community (Type XV) (ft²) 120
   Fill Sand/Mud Mixed Flat Community (Type XV) (ft²)  60
   Impact Saltbush Community (Type IV) (ft²)           54
   Fill Saltbush Community (Type IV) (ft²)             27
Marsh Toe (ft)            94
   Impact Brackish Water Mixed Community (Type XII) (ft²) 60
   Fill Brackish Water Mixed Community (Type XII) (ft²) 30
   Impact Subaqueous Bottom (ft²)                      128
   Fill Subaqueous Bottom (ft²)                        64

Total Impacts (ft²)       362
   Total Impacts (Wetlands)                       234
   Total Impacts (Subaqueous)                    128
   Total Impacts (Beach/Dune)                    0
   Total Fill (ft²)                               181
ATTENTION

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.

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.

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 height of the marsh toe structure should be as close to the marsh surface as feasible, as depicted in the cross-section.

Karen A. Duhring
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

Northumberland County
LOWER POTOMAC RIVER
Coan River

Project site

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

Application Number: 01-0760
Name: Cowart, S. Lake, Jr.
Locality: Northumberland County
Waterway: Coan River

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

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<tr>
<th>ACTIVITIES</th>
<th>PROPOSED</th>
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Comments: __________________________________________________________________________________
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Certified by: __________________________________________