VIMS Shoreline Permit Application Report # 03-1645

APPLICANT: DANIEL WEETER
Locality: NORTHERN NECK BAYSHORE
Immediate Waterway: Henrys Creek
Watershed: NORTHERN NECK BAYSHORE
Purpose: Erosion Control
Application Type: Wetlands
Site Inspection: 8/12/03
Report Date: 8/22/03

DANIEL WEETER

Type of Activity Proposed Extent
Riprap (ft) 641
Impact Sand/Mud Mixed Flat Community (Type XV) (ft2) 3205
Fill Sand/Mud Mixed Flat Community (Type XV) (ft2) 1602

Total Impacts (ft2) 3205
Total Impacts (Wetlands) 3205
Total Impacts (Subaqueous) 0
Total Impacts (Beach/Dune) 0
Total Fill (ft2) 1602

Project Location
Northumberland County
NOTE
The Virginia Institute of Marine Science (VIMS) recognizes that the regulatory process considers all aspects of a particular project, including socioeconomic factors. This report, however, only addresses marine environmental concerns.

Findings & Recommendations:
Two sections of rock revetment are proposed on two adjacent parcels. This project shoreline is forested with noticeable bank undercutting and fallen trees. However, the large size of the trees that remain standing indicate the rate of erosion is relatively slow. Therefore, the real need to install revetments along the entire length of these parcels should be carefully considered.

If they are considered necessary for erosion control purposes, then the adverse environmental impacts resulting from this project will be minimized if the revetments are constructed as proposed, including a more landward alignment if large undercut trees at the edge of the bank will be removed.

The existing forest buffer provides important water quality benefits by filtering ground and surface water before it enters the adjacent waterway. Tree removal and land disturbance should be selective and limited to the minimum necessary to access the shoreline for revetment construction.

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
NORTHERN NECK BAYSHORE
Henrys Creek

Project site

Northern Neck Bayshore 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

Intertidal flat

Open water

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

Application Number: 03-1645
Name: Daniel Weeter
Locality: Northumberland County
Waterway: Henrys Creek

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>
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<tbody>
<tr>
<td>Riprap (ft)</td>
<td>641</td>
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Please specify required modifications:

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Thomas A. Barnard, Director