**VIMS Shoreline Permit Application Report # 01-0975**

**APPLICANT:** Powell, W. Allan  
**Immediate Waterway:** Rappahannock River  
**Locality:** Middlesex County  
**Purpose:** Shoreline Stabilization  
**Application Type:** Wetlands, Subaqueous  
**Site Inspection:** 6/12/01  
**Report Date:** 7/2/01

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**Type of Activity**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Groins (ft)</td>
<td>120</td>
</tr>
<tr>
<td>Groins Impact Subaqueous Bottom (ft2)</td>
<td>60</td>
</tr>
<tr>
<td>Groins Fill Subaqueous Bottom (ft2)</td>
<td>60</td>
</tr>
<tr>
<td>Bulkhead Replacement (ft)</td>
<td>124</td>
</tr>
<tr>
<td>Bulkhead Replacement Impact Sand Flat Community (Type XIV) (ft2)</td>
<td>248</td>
</tr>
<tr>
<td>Bulkhead Replacement Fill Sand Flat Community (Type XIV) (ft2)</td>
<td>248</td>
</tr>
</tbody>
</table>

**Total Impacts (ft2)**  
**Total Impacts (Wetlands)**  
**Total Impacts (Subaqueous)**  
**Total Impacts (Beach/Dune)**  
**Total Fill (ft2)**

| 308 | 248 | 60 | 0 | 308 |

**Project Location**  
Middlesex County
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 application from a marine environmental perspective and it is our opinion that the individual and cumulative adverse impacts resulting from the proposed replacement of the bulkhead and two 60 ft. timber groins will be minimal.

[Signature]

David L. O’Brien
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

Middlesex County
RAPPAHANNOCK RIVER
Rappahannock River

Project site
Locality boundaries
Rappahannock 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

N

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

Application Number: 01-0975
Name: Powell, W. Allan
Locality: Middlesex County
Waterway: Rappahannock River

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

ACTIVITIES

<table>
<thead>
<tr>
<th>PROPOSED</th>
<th>PERMITTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Groins (ft)</td>
<td>120</td>
</tr>
<tr>
<td>Groins</td>
<td>2 Units</td>
</tr>
<tr>
<td>Impact Subaqueous Bottom (ft2)</td>
<td>60</td>
</tr>
<tr>
<td>Fill Subaqueous Bottom (ft2)</td>
<td>60</td>
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Comments: __________________________________________________________________________________
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Certified by: __________________________

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