VIMS Shoreline Permit Application Report # 02-1488

**APPLICANT:** JAMES M. KING & JERRE L. BRUMBELOW  
Immediate Waterway: man-made canal  
Locality: JAMES CITY COUNTY  
Purpose: Erosion Control  
Application Type: Wetlands  
Site Inspection: 10/31/02  
Report Date: 11/6/02

<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>114</td>
<td></td>
</tr>
<tr>
<td>Fill Freshwater Mixed Community (Type XI) (ft^2)</td>
<td>114</td>
<td></td>
</tr>
<tr>
<td>Impact Freshwater Mixed Community (Type XI) (ft^2)</td>
<td>114</td>
<td></td>
</tr>
<tr>
<td>Fill Sand/Mud Mixed Flat Community (Type XV) (ft^2)</td>
<td>342</td>
<td></td>
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<tr>
<td>Impact Sand/Mud Mixed Flat Community (Type XV) (ft^2)</td>
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<td></td>
</tr>
<tr>
<td>Total Impacts (ft^2)</td>
<td>456</td>
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</tr>
<tr>
<td>Total Impacts (Wetlands)</td>
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<tr>
<td>Total Impacts (Subaqueous)</td>
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<tr>
<td>Total Impacts (Beach/Dune)</td>
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<td>Total Fill (ft^2)</td>
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</table>
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.

Pamela A. Mason
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

James City County
LOWER JAMES RIVER (TIDAL)
man-made canal

Project site
   ▼
Lower James River (Tidal) watershed
   ▼
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

Roads
   ▲ Primary
   △ Secondary
   ▼ Tertiary
Intertidal flat

Open water

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

Application Number: 02-1488
Name: James M. King & Jerre L. Brumbelow
Locality: James City County
Waterway: man-made canal

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>
</tr>
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<tr>
<td>Bulkhead (ft)</td>
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Comments: __________________________________________________________________________________
__________________________________________________________________________________
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__________________________________________________________________________________

Certified by: __________________________________________

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