**VIMS Shoreline Permit Application Report # 01-0899**

**APPLICANT:**
BERRY, MICHAEL R. & JOSEPH, BARRY G.

Immediate Waterway: canal
Locality: ACCOMACK COUNTY
Purpose: Erosion Control
Application Type: Wetlands
Site Inspection: 10/31/01
Report Date: 11/7/01

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### Type of Activity

<table>
<thead>
<tr>
<th>Description</th>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulkhead Replacement (ft)</td>
<td>140</td>
</tr>
<tr>
<td>Fill Black Needlerush Community (Type III) (ft2)</td>
<td>100</td>
</tr>
</tbody>
</table>

### Total Impacts (ft2)

- Total Impacts (Wetlands): 0
- Total Impacts (Subaqueous): 0
- Total Impacts (Beach/Dune): 0

### Total Built (ft2)

- Total Built (Wetlands): 0
- Total Built (Subaqueous): 0
- Total Built (Beach/Dune): 0

### Total Fill (ft2)

- Total Fill (Wetlands): 0
- Total Fill (Subaqueous): 0
- Total Fill (Beach/Dune): 0

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**Project Location**

[Map of Accomack 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 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.

William L. Roberts
Marine Scientist
VIMS Shoreline Permit Application Report # 01-0899

Total Permitted Wetlands Loss by Type for
EASTERN SHORE BAYSIDE: 1996-1999
Community Type Extent
Vegetated Wetlands 104984 ft²
Non-Vegetated Wetlands 23290 ft²
Subaqueous Bottom 132631 ft²

Total Permitted Wetlands Loss by Type for
Accomack County: 1996-1999
Community Type Extent
Vegetated Wetlands 153157 ft²
Non-Vegetated Wetlands 31889 ft²
Subaqueous Bottom 111784 ft²

Total Proposed Shoreline Structures and Activities for
Accomack County -- 1996-1999
Structure Type Extent
Boat Ramps 3897 ft²
Boat Slips 14
Breakwater 894 ft
Bulkhead 13446 ft
Commercial Structure 9903886 ft²
General Fill 189486 ft²
Groins 12
Groins 480 ft
Bulkhead Replacement 4796 ft
Mitigated Wetlands 76703 yd³
New Dredging 1620 yd³
Maintenance dredging 101859 yd³
Riprap 2075 ft
Submarine Crossings 4469 ft

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

Accomack County
EASTERN SHORE BAYSIDE

- Project site
- Eastern Shore Bayside 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

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

Application Number: 01-0899
Name: Berry, Michael R. & Joseph, Barry G.
Locality: Accomack County
Waterway: canal

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

ACTIVITIES

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Comments: ____________________________________________________________
___________________________________________________________
___________________________________________________________
___________________________________________________________
___________________________________________________________

Certified by: ________________________________________________