**VIMS Shoreline Permit Application Report # 02-1848**

**APPLICANT:** CHARLES M. VALLIANT  
**Immediate Waterway:** Herberst Creek  
**Locality:** CITY OF HAMPTON  
**Purpose:** Erosion Control  
**Application Type:** Wetlands  
**Site Inspection:** 10/9/02  
**Report Date:** 11/18/02

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**Type of Activity** | **Proposed Extent**  
--- | ---  
Riprap (ft) | 300  
Impact Subaqueous Bottom (ft2) | 0  
Fill Subaqueous Bottom (ft2) | 0  
Fill Saltmarsh Cordgrass Community (Type I) (ft2) | 450  
Impact Saltmarsh Cordgrass Community (Type I) (ft2) | 900

**Total Impacts (ft2)** | **Total Impacts (Wetlands)** | **Total Impacts (Subaqueous)** | **Total Impacts (Beach/Dune)** | **Total Fill (ft2)**  
--- | --- | --- | --- | ---  
900 | 900 | 0 | 0 | 450

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Certain assumptions were used in determining the marine environmental impacts potentially resulting from this proposal. These were necessitated by information voids resulting from application noncompliance with the Virginia Code 28.2-1302 and the Joint Permit Application.
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 viewpoint. A riprap revetment is proposed along a low shoreline where no active, detrimental erosion was observed. If a revetment is determined to be necessary, then the individual and cumulative adverse impacts will be minimized if it is constructed landward of the existing marsh fringe, as proposed. Benchmark measurements to the channelward toe of the revetment, instead of the top of the revetment, would help clarify the intended alignment. Removal of the rock wall on the south bank of the property is recommended so that filter cloth can be placed against the bank in that location.

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.
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Permit Site Study Area

City of Hampton
LOWER JAMES RIVER (TIDAL)
Herberts Creek

Project site
Lower James River (Tidal) 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

Rocks
- 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: 02-1848
Name: Charles M. Valliant
Locality: City of Hampton
Waterway: Herberts 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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</thead>
<tbody>
<tr>
<td>Riprap (ft)</td>
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</tr>
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Comments: __________________________________________________________________________________
__________________________________________________________________________________
__________________________________________________________________________________
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Certified by: __________________________________________