

# VIMS Shoreline Permit Application Report #05-1648

**APPLICANT:**

Locality:  
 Immediate Waterway:  
 Watershed:  
 Purpose:  
 Application Type:  
 Site Inspection:  
 Report Date:

\*\*\*\*\*

GLOUCESTER COUNTY  
 York River  
 YORK RIVER  
 Erosion Control  
 Wetlands  
 8/4/05  
 8/5/05



**Type of Activity**

**Proposed Extent**

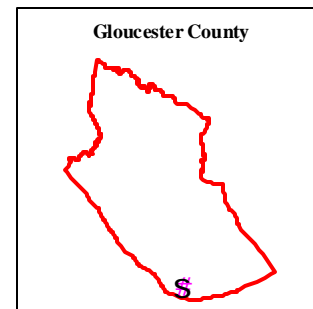
**Project Location**

Riprap (ft)  
 Impact Sand Flat Community (Type XIV) (ft2)

150  
 300

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

300  
 300  
 0  
 0  
 0



Center for Coastal Resources Management  
 P.O. Box 1346  
 Gloucester Point, VA 23062-1346



David L. O'Brien, Director

(804)684-7380, fax: (804)684-7179, e-mail: <http://ccrm.vims.edu/>


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### 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.

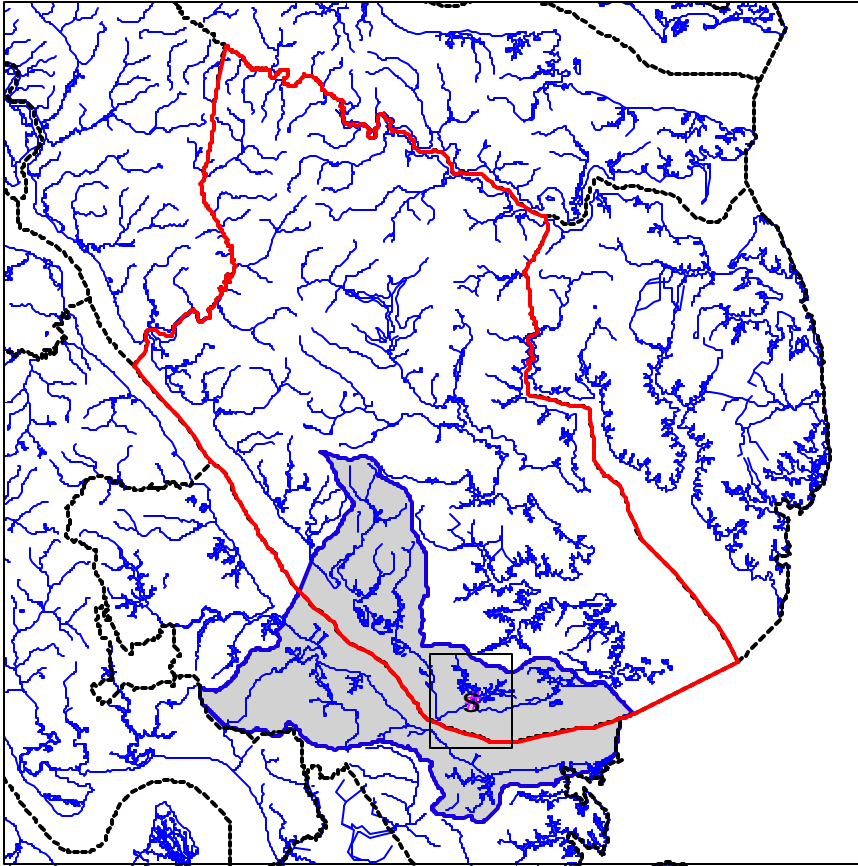
### Findings & Recommendations:

We have reviewed this proposal from a marine environmental viewpoint. The proposed project calls for placement of 150 linear feet of revetment along the applicant's shoreline on the York River. Currently, the shoreline condition is an eroded scarp left from Hurricane Isabel. The shoreline is sparsely vegetated with marsh and beach plants. The revetment is to be placed landward of the majority of the wetland area and the anticipated adverse impacts should be minimal.



Pamela A. Mason  
Marine Scientist

VIMS Shoreline Permit Application Report # 05-1648  
Watershed & Cumulative Impacts Evaluation



- USGS hydrologic unit
- Hydrology
- Gloucester County
- Other locality boundaries
- S Permit site
- Permit site study area (see next page)

**Hydrologic Units (HU)** are smaller drainage areas within a watershed. A **watershed** is the area of land where the surface water drains to a common point.

Wetland Board decisions made by one locality can result in **cumulative impacts** within a watershed shared with other jurisdictions. Cumulative impact is the aggregate of many small individual impacts, where the total adverse impact may be greater than the sum of its parts.

Resource management decisions in this project's watershed are made by:

Gloucester County  
York County

**Permitted Impacts  
(square feet)**

	2002	2003	2004	Year to Date	Current Project
<b>York River</b>					
Vegetated Wetlands	189	874	160	2725	0
Non-Vegetated Wetlands	8696	25519	40170	32355	300
Subaqueous Bottom	8740	1262148	52260	32542	0
Beach/Dune	0	0	0	0	0
<b>Gloucester County</b>					
Vegetated Wetlands	11758	8991	7503	14040	0
Non-Vegetated Wetlands	23552	44414	59133	43242	300
Subaqueous Bottom	293966	1295772	99612	60507	0
Beach/Dune	0	0	0	0	0












# Permit Site Study Area

York River  
Gloucester County

Project site

**S**

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 0.25 0.5 Miles

