



# Otter Point Creek Environmental Survey

*An Interactive Exercise Combining Middle and High School  
Class, Field and Laboratory Experiences*

## - TO THE STUDENT -

Below are listed some items with which you may want to familiarize yourself before your visit to the Estuary Center. Once you arrive you will be put straight to work and the more prepared you are the better. All the information you need is found in the library or on the recommended web pages.

### ***Things to look up and look into:***

algae	nitrate	sediment
buffer strip	nutrients	submerged aquatic vegetation
bio-chemical oxygen demand	pH	total suspended solids
dissolved oxygen	phosphate	turbidity
erosion	phytoplankton	watershed
estuary	plankton	wetlands
eutrophication	runoff	zooplankton
fecal coliform		
impervious surface		

### ***Recommended Web Sites:***

#### **Maryland Department of Natural Resources:**

<http://www.dnr.state.md.us>

- \* Maryland Clean Marina Initiative
- \* Public Boating Facilities
- \* Somers Cove Marina  
(a look at a massive and expanded marina in Crisfield)

#### **Estuaries.gov**

[www.estuaries.gov/](http://www.estuaries.gov/)

- \*Estuaries 101-Curriculum
- \*SWMP (System-wide Monitoring Program)-  
Provides a water quality monitoring tutorial.

#### **NERRS Water Quality**

<http://cdmo.baruch.sc.edu/>

- \*Water quality collected at National Estuarine Research Reserve sites.

#### **Fieldscope**

<http://www.fieldscope.us/>

- \*Interactive mapping of the Chesapeake Bay
- \*Identify watersheds
- \*Share and map student water quality data

#### **WATER SHEDSS** (*Water, Soil and Hydro- Environmental Decision Support System*)

<http://www.water.ncsu.edu/watershedss/>

- \*Background and definitions
- \*Pollution Budget Estimation Form