Otter Point Creek Environmental Survey
An Interactive Exercise Combining Middles 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
- buffer strip
- bio-chemical oxygen demand
- dissolved oxygen
- erosion
- estuary
- eutrophication
- fecal coliform
- impervious surface
- nitrate
- nutrients
- pH
- phosphate
- phytoplankton
- plankton
- runoff
- sediment
- submerged aquatic vegetation
- total suspended solids
- turbidity
- watershed
- wetlands
- zooplankton

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)

Fieldscope
http://www.fieldscope.us/

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

Estuaries.gov
www.estuaries.gov/

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

WATER SHEDSS (Water, Soil and Hydro-Environmental Decision Support System)
http://www.water.ncsu.edu/watershedss/

*Background and definitions
*Pollution Budget Estimation Form

NERRS Water Quality
http://cdmo.baruch.sc.edu/

*Water quality collected at National Estuarine Research Reserve sites.