Thursday, December 5 or Friday, December 6, 2013
8:00 a.m.-4:00 p.m.
Field Studies Building Room 102 and Miss Peetsy B

7:45 am  Coffee and snacks, registration and CEU paperwork *

8:00    Pre-test *

8:15    Introduction
  • Healthy coastal ecosystems
  • Safe and sustainable seafood supply

8:45    Bayou tour aboard Miss Peetsy B, including:
  • Tour through marsh habitat
  • Measurement of water quality
  • Collection and observation of resident marsh organisms
  • Introduction to coastal wetland ecology
  • Discussion of importance of coastal wetlands
  • Discussion of coastal development impacts

10:15   Break *

10:30   Plankton collection and identification lesson
  This activity includes:
  • Collection and identification of resident plankton species
  • Discussion of importance of plankton to coastal ecosystem

12:00 pm Lunch *

12:45   Ancillary curriculum overview
  • Workshop participants will be provided with an ancillary curriculum to accompany the Miss Peetsy B bayou tour. Lessons on coastal wetlands, marsh ecology, water quality parameters, and use of Grand Bay National Estuarine Research Reserve (NERR) data will be introduced and/or demonstrated.
  Demonstration and implementation of data lesson
  • This lesson will demonstrate how to access data collected through the NERR, and use this data to identify changes and trends in environmental conditions.

2:45    Demonstration and implementation of water quality lesson
  • This lesson will define the water quality parameters measured by marine scientists, how these parameters impact organisms, how these parameters change in estuarine environments, and how to measure water quality.
3:45-4:00 Post-test, dismissal *

* Activities outside instructional time

This workshop provides location specific information to address the following content areas:

MASGC Focus Areas:

Ocean Literacy Principles:

- 5: The ocean supports a great diversity of life and ecosystems (d,f,h,i) [http://oceanliteracy.wp2.coexploration.org/?page_id=1523](http://oceanliteracy.wp2.coexploration.org/?page_id=1523)
- 6: The ocean and humans are inextricably interconnected. (a,b,c,d,e,f,g) [http://oceanliteracy.wp2.coexploration.org/?page_id=1527](http://oceanliteracy.wp2.coexploration.org/?page_id=1527)

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