



TEACHER PD AT GCRL
Coastal Ecology Aboard the Miss Peetsy B
ITINERARY

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

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| 7:45 am | Coffee and snacks, registration and CEU paperwork * |
| 8:00 | Pre-test * |
| 8:15 | Introduction <ul style="list-style-type: none">• Healthy coastal ecosystems• Safe and sustainable seafood supply |
| 8:45 | Bayou tour aboard Miss Peetsy B, including: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• Collection and identification of resident plankton species• Discussion of importance of plankton to coastal ecosystem |
| 12:00 pm | Lunch * |
| 12:45 | Ancillary curriculum overview <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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:

1. Healthy coastal ecosystems <http://d276864.h39.zee-hosting.com/page.asp?id=195>
2. Sustainable coastal development
<http://d276864.h39.zee-hosting.com/page.asp?id=193>
3. Safe and sustainable seafood supply <http://www.masgc.org/page.asp?id=189>
4. Hazard resilience in coastal communities
<http://d276864.h39.zee-hosting.com/page.asp?id=191>

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
- 6: The ocean and humans are inextricably interconnected. (a,b,c,d,e,f,g)
http://oceanliteracy.wp2.coexploration.org/?page_id=1527



FOR MORE INFORMATION PLEASE CONTACT:

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