

**NBNERR 2010 Teachers on the Estuary (TOTE) Draft Agenda**  
**June 28 to July 1, 2010**

**Monday 6/28/10**

1:00 pm – 5:30 pm

4.5 hours

**Environmental Education Center, Bristol**

(Low Tide at 3:00 pm)

- 1:00 pm Welcome, introductions, pre-test, overview of course
- 1:45 pm Introduction to NERRS, estuaries and watersheds  
Estuary and watershed background  
NERRS mission, methods, issues, research projects, SWMP  
Estuary Education Principles & Concepts  
Estuaries.gov
- 3:00 pm Break
- 3:15 pm Introduction to dataloggers with time outside for data collection
- 4:00 pm **Meet a Scientist:** Leslie Smith will present information about her studies of climate change and its effects on the ecology of Narragansett Bay. *Discussion to follow – How could I use this in the classroom?*
- 5:30 pm Happy hour at the EEC followed by dinner on your own

**Tuesday 6/29/10**

8:00 am – 5:00 pm

8 hours

**Environmental Education Center, Bristol**

(Low Tide at 3:45 pm)

- 7:30 am Coffee and snacks at the EEC
- 8:00 am Estuaries101 Curriculum Overview  
Introduction to Google Earth  
Investigating estuaries with E101  
E101 Lessons and Activities (computer-based)  
Collect dataloggers
- 9:30 am Break
- 9:45 am Depart for Roger Williams University
- 10:00 am Welcome and introductions with a tour of RWU aquaculture lab, oyster cultivation system, and bay oyster restoration presentations. *Discussion to follow – “How can I use this in the classroom?”*

- 12:00 pm Lunch
- 1:00 pm **Presentation: What to Expect on Prudence Island Tomorrow**
- 1:30 pm **Meet a Scientist:** Dr. Marci Cole, Save the Bay Coastal Ecologist, will present information about her work on salt marsh restoration and Dr. Kenny Raposa, NBNERR Research Coordinator will provide an overview of salt marsh monitoring.
- 2:45 pm Break
- 3:00 pm Depart on foot for the Jacob's Point marsh restoration site. Participate in site monitoring activities to be led by Kenny and Marci. Abiotic observations and sampling techniques to follow monitoring activities.
- 4:30 pm Return to EEC for *Discussion – "How can I use this in the classroom?"*
- 5:00 pm Return to hotel or downtown
- 5:30 pm Dinner as a group at a Bristol restaurant

**Wednesday 6/30/10**

8:30 am to 4:00 pm

7.5 hours

**Prudence Island**

(Low Tide at 4:30 pm)

- 7:45 am Meet at the Prudence ferry landing in Bristol
- 8:00 am Ferry to Prudence Island
- 8:45 am Island Tour  
South End: NBNERR Lab, T-Wharf, SWMP Station, Ed Shed etc.
- 9:30 am **Meet a Scientist:** Dr. Daisy Durant, Marine Research Specialist to provide an overview of SWMP and water quality monitoring at NBNERR.
- 10:15 am Return to Lab for break as needed and continued presentation from Daisy  
*Discussion to follow – "How can I use this in the classroom?"*
- 11:00 am **Meet a Scientist:** Nicole Rohr will present information about her research on invasive Asian shore crabs.
- 12:00 am Lunch
- 1:00 pm Asian shore crab field activity. *Discussion to follow – "How can I use this in the classroom?"*
- 2:00 pm Island Tour  
North End: Garland Mansion, Pine Knoll, Weather Station, etc.

- 4:00 pm Leave on the ferry back to Bristol
- 4:30 pm Arrive in Bristol and return to the hotel for a free evening with dinner on your own

**Thursday 7/1/10** *8:00 am – 12:00 pm* *4 hours*  
**Environmental Education Center, Bristol**  
(Low Tide at 5:15 pm)

- 7:30 am Coffee and snacks at the EEC
- 8:00 am Hilarie Davis will present to us about the evaluation plan
- 8:30 am Graph data collected on the dataloggers  
Go through SWMP Tutorial from Estuaries.gov
- 9:45 am Break
- 10:00 am **Stewardship, Support and Making it Practical:** Discussions on how TOTE teachers are already using estuaries in the curriculum; incorporating workshop materials, estuary concepts, equipment, data; stewardship project idea brainstorming; ongoing support and resources from the Reserves.
- 11:30 am Final evaluations and post-test
- Noon Summer portion of the workshop concludes

**Follow up class, November 6, 2010** *9:00 am – noon* *3 hours*  
**Location TBD**

Presentations by teachers on using estuary lessons with classes, stewardship projects and a focus group discussion.

**TOTE 2010 - 27 hours TOTAL**