



**Narragansett Bay National Estuarine Research Reserve  
Teachers on the Estuary (TOTE) Workshop  
August 8-10, 2017  
*DRAFT AGENDA***

**Tuesday, August 8th**

**9:30AM-6PM (includes ferry travel time)**

*Low tide: 2:25pm*

**Morning**

- Ferry ride to Prudence Island and arrival at NBNERR Headquarters
- Introductions and workshop overview; introduction to NERRS and NBNERR, estuaries and watersheds.

**Lunch**

**Afternoon**

- Visit one of the Reserve's salt marsh study sites
  - Introduction to salt marshes and wetland/ecosystem services
  - Impacts of climate change and sea level rise at Reserve marsh study site with Research Coordinator, Dr. Kenny Raposa

**Break**

- Graphing exercise using Reserve's vegetation data from recent years to show impact of sea level rise on marsh vegetation and species distribution
- Group discussion - Practical applications for the classroom

**Dinner**

Optional evening activities: swim, explore, night hike, etc.

## **Wednesday, August 9th**

**8:30AM-5:30PM**

*Low tide: 3:06pm*

### **Breakfast**

### **Morning**

*Optional bird walk from 7-8:15am*

- Visit the South End and Twharf water quality monitoring station
- System-Wide Monitoring Program (SWMP) presentation and overview with NBNERR Marine Research Specialist, Dr. Daisy Durant

### **Break**

- Online water quality graphing tool – practice with SWMP stories from across the NERRS
- E101 curriculum – lessons for middle and high school students
- Water Detectives activity
- How can you use SWMP and water quality data in your classroom?

### **Lunch**

### **Afternoon**

- Sampling Techniques – using the Asian Shorecrab investigative study as an example of assessing change over time as well as monitoring for invasive species
- Marsh and tidal creek exploration
- Group discussion – practical applications for the classroom

### **Dinner**

Optional evening activities: swim, explore, night hike, etc.

Sunset Trail hike or Chaseway Beach for sunset (optional)

## **Thursday, August 10th**

**8:30AM-4PM**

*Low tide: 3:46pm*

### **Breakfast**

### **Morning**

- Field trip to Reserve monitoring and research site
- Break: 10:30-10:45
- Small group breakout to adapt and develop lessons and activities for your curriculum

## **Lunch**

## **Afternoon**

- Valuing Your Wetlands Activity
- Stewardship: Classroom and schoolyard project ideas for your students
- Post test and Evaluation
- Pack up and depart on afternoon ferry

*\* Participants will stay at the Reserve's dorm-style lodge, where all meals will be provided. Participants are responsible for their own linens, pillows, towels and personal items.*