

Tijuana River National Estuarine Research Reserve

“A Wetland of International Importance” *International Ramsar Convention, 2005*



Middle and High School Teacher Training Tijuana Estuary Visitor Center

AGENDA

subject to change

Thursday, May 17th:

Overview of Reserve and Curriculum

8:30 am **Welcome to the Reserve. Review agenda and discuss field trips.**

9:00 am **Introduction and overview of Tijuana River NERR and its ecology**

Objective: Participants will understand the core programs of the Reserve and be able to describe the key functions and types of estuaries.

9:45 am **BREAK**

10:00 am **System-Wide Monitoring Program (SWMP) and Monitoring at TRNERR overview
Data logger presentation and weather station technology**

Objective: Participants will have a basic understanding of the type of monitoring that takes place at the Reserve and the equipment that is used to measure data.

10:30 am **Introduction to TRNERR Curriculum** (*use laptops to look at curriculum*)

11:00 am **Weather Station Field Trip lesson**

Objective: By experiencing one of the main field trip activities of the program, participants will have a better sense of what their students will learn during their visit to the Reserve.

11:45 am **LUNCH**

Vegetation Monitoring and Middle School Curriculum

12:30 pm **Overview of afternoon**

1:00 pm **Vegetation Monitoring**

Objective: Participants will be able to experience a monitoring methodology that is set up to measure plant community changes over time.

2:30 pm **Presentation – Assessing Coastal Vulnerability & CURRV**

Objective: Participants will understand the process of the CURRV project, as well as become familiar with NOAA climate change curriculum activities.

3:30 pm **Review Estuaries 101 Middle School curriculum**

Objective: Participants will become familiar with the various types of lesson plans in the Estuaries 101 middle school curriculum.

4:00 pm **Water Quality Limbo Estuaries 101 Middle School lesson**

Objective: Participants will learn a fun activity to do with their students from the Estuaries 101 Middle School Curriculum. The activity focuses on how humans can damage and improve water quality in their watershed.

4:30 pm Adjourn

Friday, May 18th:

High School Curriculum and Field Trip Lesson

8:30 am **Deconstructing Tides**

Objective: Participants will get an in-depth look at what affects tides.

9:00 am **Estuaries 101 High School Lesson Plan**

Objective: Participants will become familiar with one Estuaries 101 lesson plan from the earth Science module (York River) and learn the principles of tides and their effects on estuarine properties. They will also be able to conduct extension activities with more local examples.

9:30 am **Coast.noaa.gov/estuaries Data Graphing Application**

Objective: Participants will discover what a user friendly tool the Data Graphing Application is in order to foster inquiry-based learning and the scientific method.

10:30 am **Break**

10:45 am **Bird Monitoring Field Trip lesson**

Objective: By experiencing one of the main field trip activities of the program, participants will have a better sense of what their students will learn during their visit to the Reserve.

11:30 am **De-brief experience and Field Trip Logistics** (*use laptops to look at logistics*)

Objective: Participants will be able to plan their class's field trip in order to meet class learning goals.

12:00 pm **LUNCH**

1:00 pm **Reserve Tour: restoration, water quality, sewage, and sediment**

Objective: Participants will understand the array of the challenges involved in managing this critical wetland as well as become more familiar with the southern portion of the Reserve.

3:30 pm **Summary of Training and Curriculum** (evaluations)

Objective: Participants will discover how to incorporate the Tijuana Estuary and Estuaries 101 curriculum in their classrooms and have any lingering questions answered.

4:30pm Adjourn