



Oyster Research Team Kick-off Workshop
Sunday, January 21st and Sunday, January 28th
12:30 to 5:30 pm

Directions for Day 1:

SF State's Estuary and Ocean Science Center (formerly known as the Romberg Tiburon Center)
3152 Paradise Dr, Tiburon CA
Building 39, First Floor Classroom
<https://goo.gl/maps/YEwXcQzBnum>

NOTE: The entrance gate will be locked. Sarah or Kristine will be on hand to open it for you. If you are early or late, please safely pull into the driveway or the nearest cross street on the right and text Sarah: 415-407-4869.

Please wear layers of comfortable clothes that can get a little dirty and walking shoes. We will be inside working with water.

Agenda:

- 12:30 Introductions and review of objectives over lunch (provided)
- Exploring and identifying fouling invertebrates and oysters using microscopes with Dr. Andy Chang, Program Leader, Marine Invasions Lab, Smithsonian Environmental Research Center
- 2:30 Oysters and Oyster Stressors Talk by Dr. Brian Cheng, University of Massachusetts Amherst
- Living Shorelines introduction and design challenge
- Review day and agenda for next weekend
- 5:30 Depart

Directions for Day 2:

Sunday, January 28th

12:30 to 5:30 pm

China Camp SP Beach and Village

<https://goo.gl/maps/uErbEk1skuz>

Please wear layers of comfortable clothes that can get very muddy and bring rubber boots, if you have them. You may also want water shoes for China Camp. Please also bring an old towel, two plastic bags or buckets for your muddy clothes and boots, and a change of clothes for the drive home.

Also bring a water bottle, sunscreen, and a hat.

AGENDA:

12:30 Reflections and orientation to estuary over picnic lunch (provided)

Structured exploration of China Camp beach, developing testable questions and field research methods

2:30 Drive to Richardson Bay Audubon Center and Sanctuary in Tiburon:

<https://goo.gl/maps/y5Y7vJ6BnT82>

Introduction to Research Projects with Dr. Chela Zabin

Demonstration of research methods and field exploration

Discussion of ways to be involved with research project

Reflections and next steps, evaluations

5:30 Depart

OBJECTIVES:

By the end of both days, all participants will begin to develop rapport and understanding of skills and expertise each person brings to the group.

By the end of both days, teachers will feel more knowledgeable about estuarine invertebrates, especially oysters, and their role in the San Francisco Estuary. They will also have at least one idea of how to bring this knowledge into their classroom.

By the end of both days, teachers will know how nature-based adaptations can protect shorelines from flooding and wave damage associated with sea level rise. They will also know at least one activity that can be used to teach this in their classroom.

By the end of the day 1, teachers will better understand climate change and sea level rise. They will also hear role modeling of an effective, simple way to communicate about climate change.

By the end of day 2, teachers will feel more comfortable in and knowledgeable about the San Francisco Estuary, especially the bay's rocky shorelines.

By the end of day 2, teachers will better understand the experimental questions and approaches that are part of this project and will know how they will participate moving forward.

Partners on this project are:

Smithsonian Institution, Environmental Research Center, Marine Invasions Lab

San Francisco Bay National Estuarine Research Reserve

The Estuary and Ocean Science Center at San Francisco State University

Richardson Bay Audubon Center and Sanctuary

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