



NOAA Teacher at Sea
Jennifer Fry
Onboard NOAA Ship *Miller Freeman*
July 14 – 29, 2009

NOAA Teacher at Sea: Jennifer Fry

NOAA Ship *Miller Freeman* (link: <http://www.moc.noaa.gov/mf/>)

Current location of ship: www.shiptracker.noaa.gov (choose *Miller Freeman*)

Mission: 2009 United States/Canada Pacific Hake Acoustic Survey

Geographical area of cruise: North Pacific Ocean from Monterey, CA to British Columbia, CA.

Date: July 15, 2009

Weather Data from the Bridge

Wind Speed: 19 kts.

Wind direction: 355° north

Temperature: 15.4°C (dry bulb); 13.2°C (wet bulb)



This picture shows the *Miller Freeman* in Alaskan waters. On our cruise, it's working off the coast of California.

Science and Technology Log

Our cruise was delayed for a day due to poor weather conditions and heavy seas.

We began with a meeting of the scientific team which consists of 8 members all with their specific scientific knowledge and expertise.

We will be conducting several types of oceanographic sampling during our cruise: 2-3 hake tows per day, weather permitting, an open net tow where fish are viewed through a camera, **XBTs**: Expendable Bathythermograph, **HABS**: Harmful Algal Bloom Sampling, and **CTD**: Conductivity, Temperature, and Density.

The ship conducted Man Overboard and Fire drills.

The research vessel *Miller Freeman* set sail from Eureka, California on Wednesday, July 15th at approximately 12:30.

Each person aboard is assigned a specific job and place to report on the *Miller Freeman* during such an event. Our assignments are posted on our stateroom door.

During a **Fire/Emergency Drill** the signal is a 10 second blast of the general alarm and/or ship's whistle. I am to report or muster to the Chemical Lab.

In the event of an **Abandon Ship Drill**, I am assigned to life raft #2 and muster on the O-1 deck, port (left) side. The Abandon Ship signal is more than 6 short blasts followed by one long blast of the general alarm and/or ship's whistle.

If a **Man Overboard Drill** is called, we will hear 3 prolonged blasts of the general alarm and/or ship's whistle. The muster station is the Chemical Lab. If we personally see a person go overboard the ship there are three things to do immediately:

Throw a life ring overboard, call the bridge, and keep your eyes on the person.

These things all need to be done as simultaneously as possible to assure the safety and recovery of the person who is in the sea.

It is important to conduct these emergency drills so that everyone is ready and prepared in the case of an emergency event.

Personal Log

I am sharing a stateroom with Julia Clemons, an oceanographer on board the *Miller Freeman*. She works for NOAA Fisheries in Newport, Oregon. Her educational background includes a Bachelors' degree in Oceanography and a masters' degree in Geology.

The scientists and crew on board are so professional and willing to teach and tell about their job. They are an amazing group of people.

New Term/Phrase/Word

Domoic acid

Questions of the Day?

What does a hake look like in person?

Animals Seen Today

5 Egrets

1 great blue heron

Numerous gulls