



**NOAA Teacher at Sea  
Susie Hill  
Onboard NOAA Ship ALBATROSS IV  
July 23 – August 3, 2007**

**NOAA Teacher at Sea: Susie Hill**

NOAA ship ALBATROSS IV

Mission: Sea Scallop Survey

Date: July 24, 2007

Time: 2:13 p.m.

North Atlantic Ocean

**Weather Data from the Bridge**

Air Temperature: 19.4° C

Sea Temperature: 20.9 ° C

Relative Humidity: 83%

Barometric Pressure: 1019.4 millibars

Windspeed: 19.32 knots

Water Depth: 48.5 meters

Conductivity: 045.16 mmhos

Salinity: 33 ppt

**Science and**

**Technology Log**

My NOAA Teacher at Sea Journey begins! We set sail this morning at 9:00 a.m. on the NOAA ALBATROSS IV Ship out of Woods Hole, Massachusetts to assess the scallop populations between Long Island, New York and Georges Bank of the Atlantic Ocean. The areas being studied are chosen by the stratified random sampling method that is based on depth and bottom composition. Some other stations



**Sea Scallop (*Placopecten magellanicus*)**

are specially selected by the scientists for further studying.

Among the sea, calico, or Icelandic species of scallops, we'll also be pulling up species of fish and crab that will be studied by other scientists from Woods Hole Oceanographic Institution (WHOI, pronounced as Hooey around here). Stacey Rowe is our Chief Scientist for this trip.

We started off our day with the fire drill where we find our assigned stations and wait for directions by the Ship's Captain. My station was the wet science lab near the stern (or back) of the ship with the other scientists. Next was the abandon ship drill where we grabbed our "gumby" survival suit and life jacket, and went to our next station which was Life Raft #5. The gumby suit was cool! Sorry, I didn't get any pictures. Too busy following orders to get in station. Then, we did a "test tow" of the dredge to see if it worked. The dredge is the metal net that the ship uses to scoop up the animals from the sea bottom for sampling. Last, we caught species of flounder (left eye and windowpane), cancer crabs, and sea robins. The area that we dredged is not popular with scallops, so we didn't pull any up. Our job as volunteers was to sort and weigh the collected species. I am working the noon-midnight shift, so I'll be getting ready now to take my place in prepping for our wonderful catch! Wish me luck!

**Cool Fact for the Day**

The Virginia fossil is the scallop, *Chesapecten jeffersoni*.