



**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 30, 2007

Time: 10:44 a.m.

North Atlantic Ocean

Weather Data from the Bridge

Air Temperature: 17.5° C

Sea Temperature: 18.6° C

Relative Humidity: 100 %

Barometric Pressure: 1014.8 millibars

Wind Speed: 3.62 knots

Water Depth: 65.3 meters

Conductivity: 43.45 mmhos

Salinity: 32.03 ppt



Mesh netting in the dredge

Science and Technology Log

I can't believe it's already been a week

already since we left from Woods Hole, MA. I'm still getting a hang of the time schedule, but it's working out okay. The weather has been beautiful. The staff is great—I've learned so much from them. The food is delicious, too!

Today's focus will be on the dredge. This is a metal frame with a metal ringed and



The dredge is prepared for deployment.

meshed net that we use to dredge or scoop the sea bottom in hopes of finding our prize catch, sea scallops. The bag is about 8 feet wide with 2" rings and mesh netting. The mesh netting, called a liner, is in the dredge to ensure catching of the smaller scallops as well as the other species that coexist with the scallops. The dredge is lifted, put into the water, and dragged using a motorized gantry with a block and tackle system. The dredge is towed for 15 minutes at each station. The depths for this trip have been ranging from 29 meters to 112 meters. Sea Scallop dredge surveys have been

conducted by the National Marine Fisheries Services since 1975.