

# Monthly Hypoxia\* Summary

Cruise Name: **HYJUN11**

Cruise Dates: 16 June 2011

Number of Stations Sampled: 21

Minimum DO: 5.92 mg/L at Station 03

General Weather at Bridgeport: Sunny and hazy, high temp=27.8°C, wind speed avg. 4.8 mph, max gust 18 mph, 0.24 in precipitation over the three days prior to survey

Maximum Bottom Temperature: 17.55°C at Station 09

Maximum Surface Temperature: 18.08°C at Station A4

Delta T at Station D3: 3.46 (HYJUN 1994-2011 average=4.42)

**NOTE: DO Data are Raw CTD values. No Winklers were available (survey aboard R/V Lynn).**

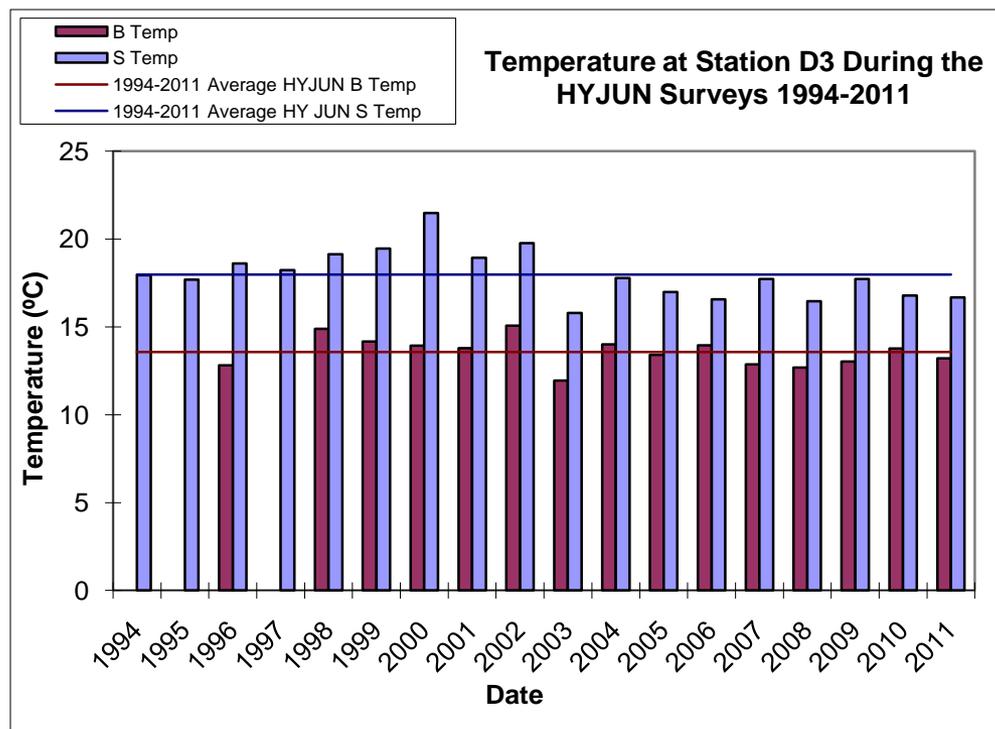


All DO values were greater than 5.0 mg/L, therefore, no hypoxia map was produced.

\*NOTE: Hypoxia under the 2011CT DEP Water Quality Standards is defined as dissolved oxygen concentrations less than **3.0** mg/L



R/V Patricia Lynn during a lobster larval survey.  
Photo courtesy of Colleen Giannini, CT DEP, Marine Fisheries



The HYJUN11 survey was conducted on 16 June aboard the R/V Patricia Lynn. A total of 21 stations were sampled. Dissolved oxygen concentrations were all above 5 mg/L in contrast to 2010, when three stations were below 5 mg/L. It is noteworthy that data from the LISICOS Execution Rocks buoy indicate DO concentrations have dropped and a low of 3.6 mg/L occurred on 23 June ([http://lisicos.uconn.edu/do\\_fcst.php?site=exrx](http://lisicos.uconn.edu/do_fcst.php?site=exrx)). DO concentrations have also decreased at the Western Sound buoy with a minimum value of 3.42 mg/L being recorded in 26 June.