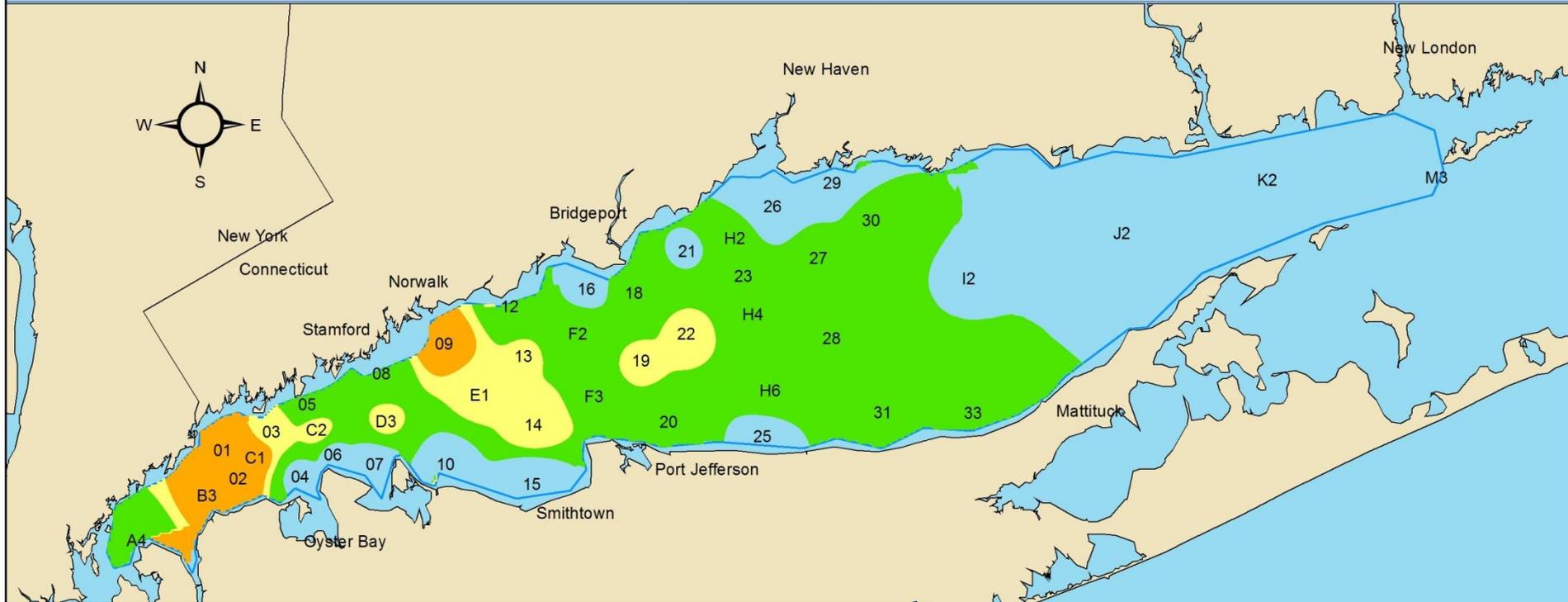




# Dissolved Oxygen in Long Island Sound Bottom Waters August 27 - 30, 2012



The **2012 September Water Quality Survey** was conducted August 27th, 29th and 30th. Forty-four stations were sampled using the R/V John Dempsey. During the WQSEP12 survey the DO at station A4 was measured at 4.15 mg/L up over 3 mg/L from our previous recoding of 0.90 mg/L during the HYAUG12 survey. It is worth noting that the LISICOS buoy also showed DO levels above 4 mg/L at the time of our site visit, however three hours after our measurement the LISICOS buoy showed the DO had dropped back down to 2.74 mg/L. Bottom water dissolved oxygen concentrations were below 4.8 mg/L at a total of 30 stations with five of those being below 3.0 mg/L. The lowest concentration was observed at Station 02 (2.55 mg/L).

WQSEP12

Dissolved Oxygen	Severity of impact
0.0 - 0.99	Severe
1.0 - 1.99	Moderately severe
2.0 - 2.99	Moderate
3.0 - 3.49	Marginal
3.5 - 4.79	Interim management goal
4.8+	Excellent - Supportive of marine life