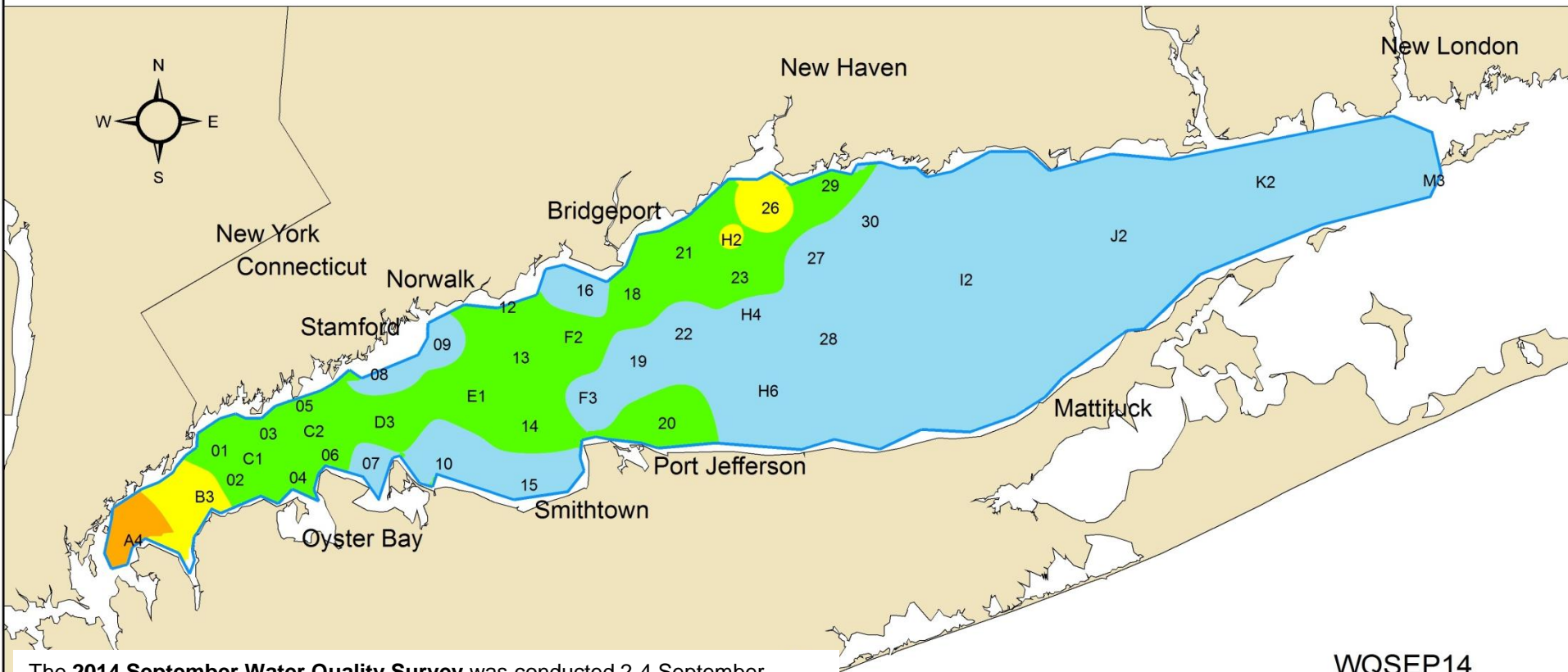




Dissolved Oxygen in Long Island Sound Bottom Waters

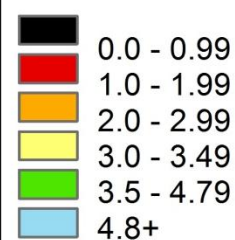
2-4 September 2014



The **2014 September Water Quality Survey** was conducted 2-4 September. Forty-one stations were sampled using the R/V John Dempsey. Dissolved oxygen levels retrograded slightly from the HYAUG14 survey. Bottom water dissolved oxygen concentrations were below 4.8 mg/L at 23 stations with only one of those being below 3.0 mg/L. The lowest concentration was observed at Station A4 (2.74 mg/L). This survey is comparable to the 2013 survey, when three stations were below 3.0 mg/L. The area of bottom waters affected by hypoxia ($DO < 3.0$ mg/L) was 34.3 km² (13.2 mi²). This is better than the last two years when 100 and 132 km² were below 3.0 mg/L. The largest September hypoxia event occurred in 1993 and affected 446.8 km² (172.5 mi²).

WQSEP14

Dissolved Oxygen



Severity of impact

- Severe
- Moderately severe
- Moderate
- Marginal
- Interim management goal
- Excellent - Supportive of marine life