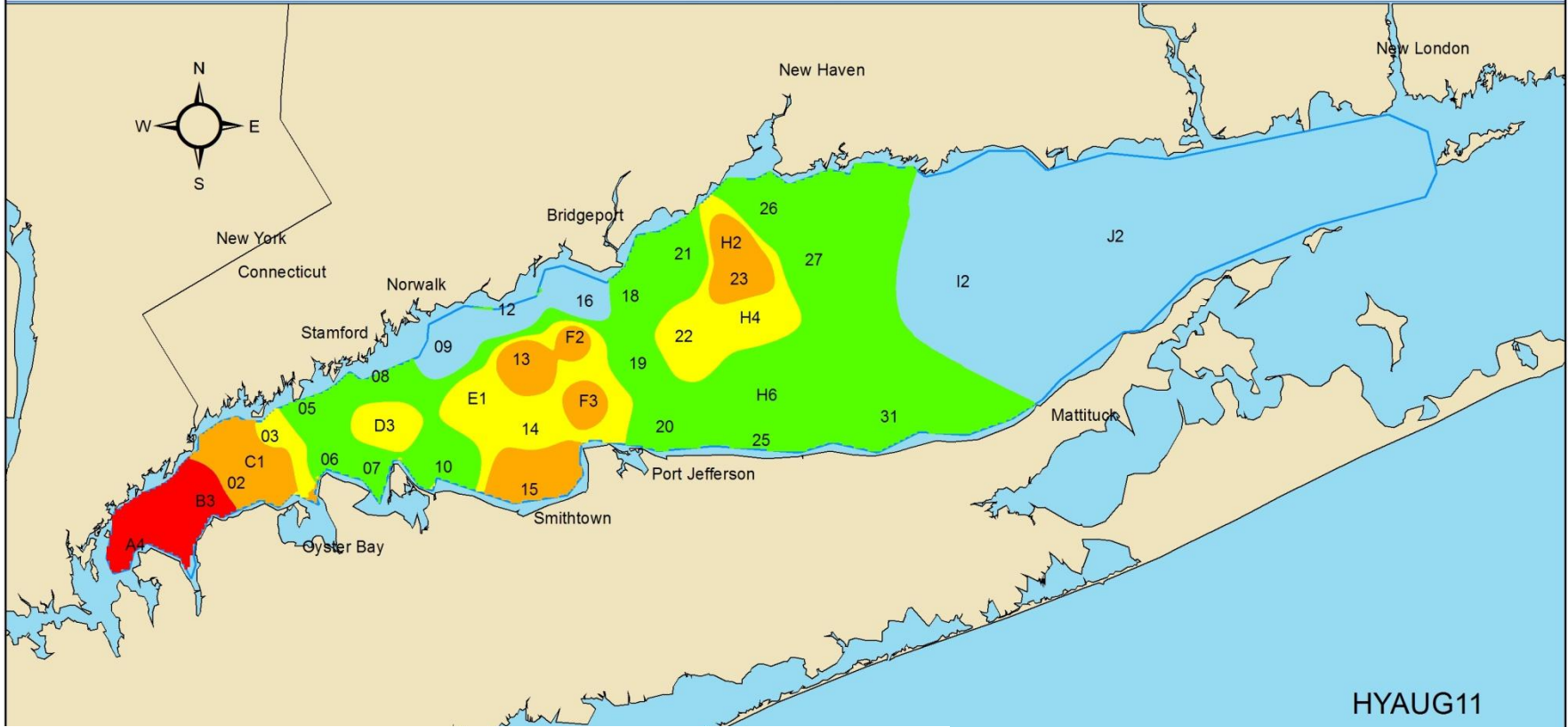




# Dissolved Oxygen in Long Island Sound Bottom Waters August 15-17, 2011



HYAUG11

The 2011 August Hypoxia Survey was conducted 15-17 August. Thirty-eight stations were sampled using the R/V John Dempsey. Bottom water dissolved oxygen concentrations were below 4.8 mg/L at 24 stations. Of those, seven stations were below 3.5 mg/L, eleven were below 3.0 mg/L, and two were below 2 mg/L. The lowest concentration was observed at Station B3 (1.77 mg/L). The area of bottom water affected by hypoxia (DO <3.0mg/L) is 130.3 square miles (337.6 sq km) compared to 0 square miles (0 sq. km) in 2010 and 169.1 sq mi (438 sq km) in 2009. This year's area estimate is slightly above the 13-year average of 124 sq mi (321.2 sq km). This estimate is slightly low as data from three stations were not included at the time the map was produced.

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