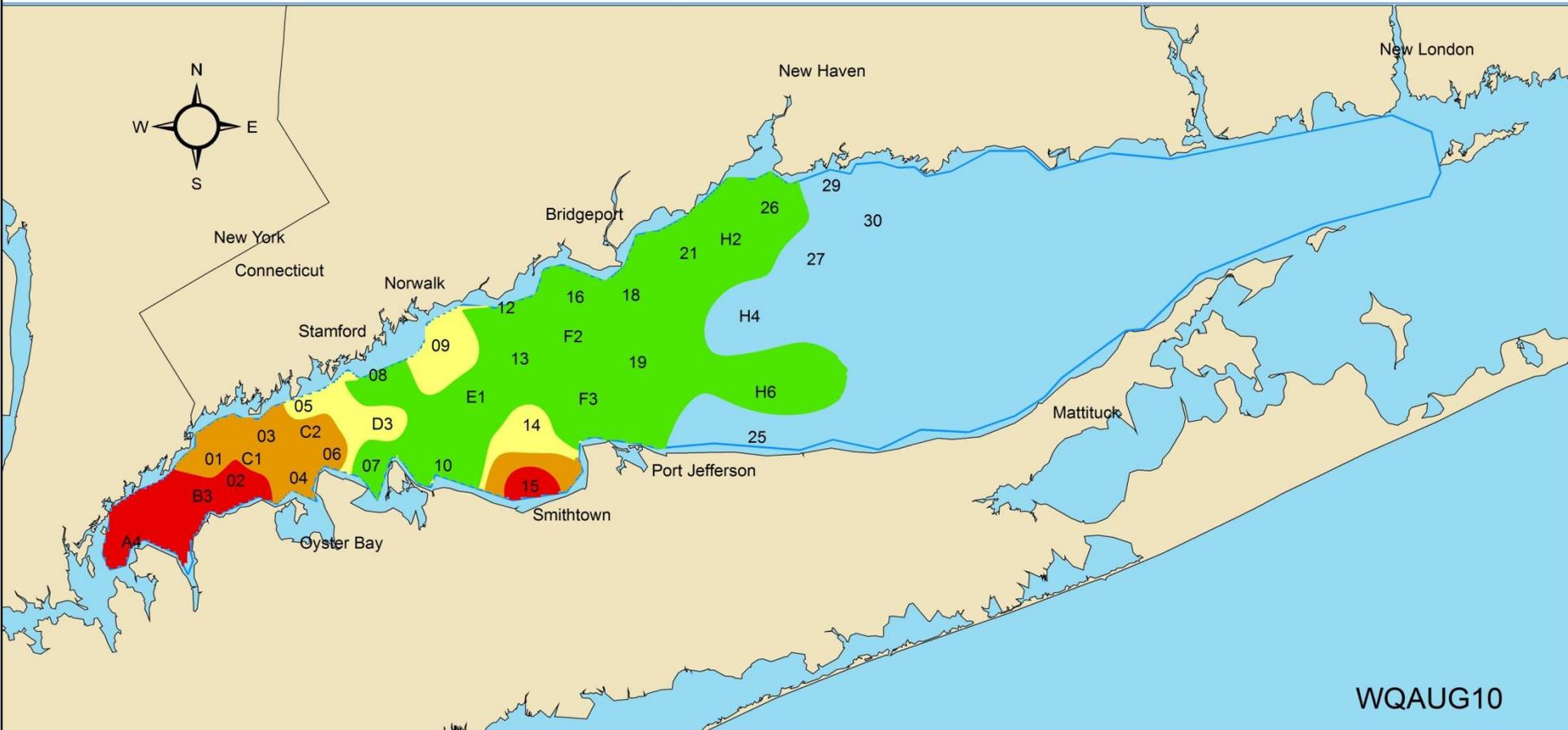


Dissolved Oxygen in Long Island Sound Bottom Waters August 3 and 4, 2010



The 2010 August Water Quality Survey was conducted 3-4 August. Thirty-four stations were sampled. Bottom water dissolved oxygen concentrations fell below 4.8 mg/L at 29 stations with 14 of those stations falling below 3.5 mg/L and ten stations falling below 3.0 mg/L. The lowest concentration was observed at Station 02 (1.17 mg/L). This was lower than in 2009 when the lowest concentration was 1.49 mg/L, at Station A4. The area of bottom water affected by hypoxia (DO <3.5 mg/L) is 248.9 square miles (400.6 sq. km). The area with DO concentrations less than 3.0 mg/L is 162.7 square miles (261.8 sq km). The average area affected by hypoxia from 1999-2010 was 338.2 sq mi (544.4 sq km).

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