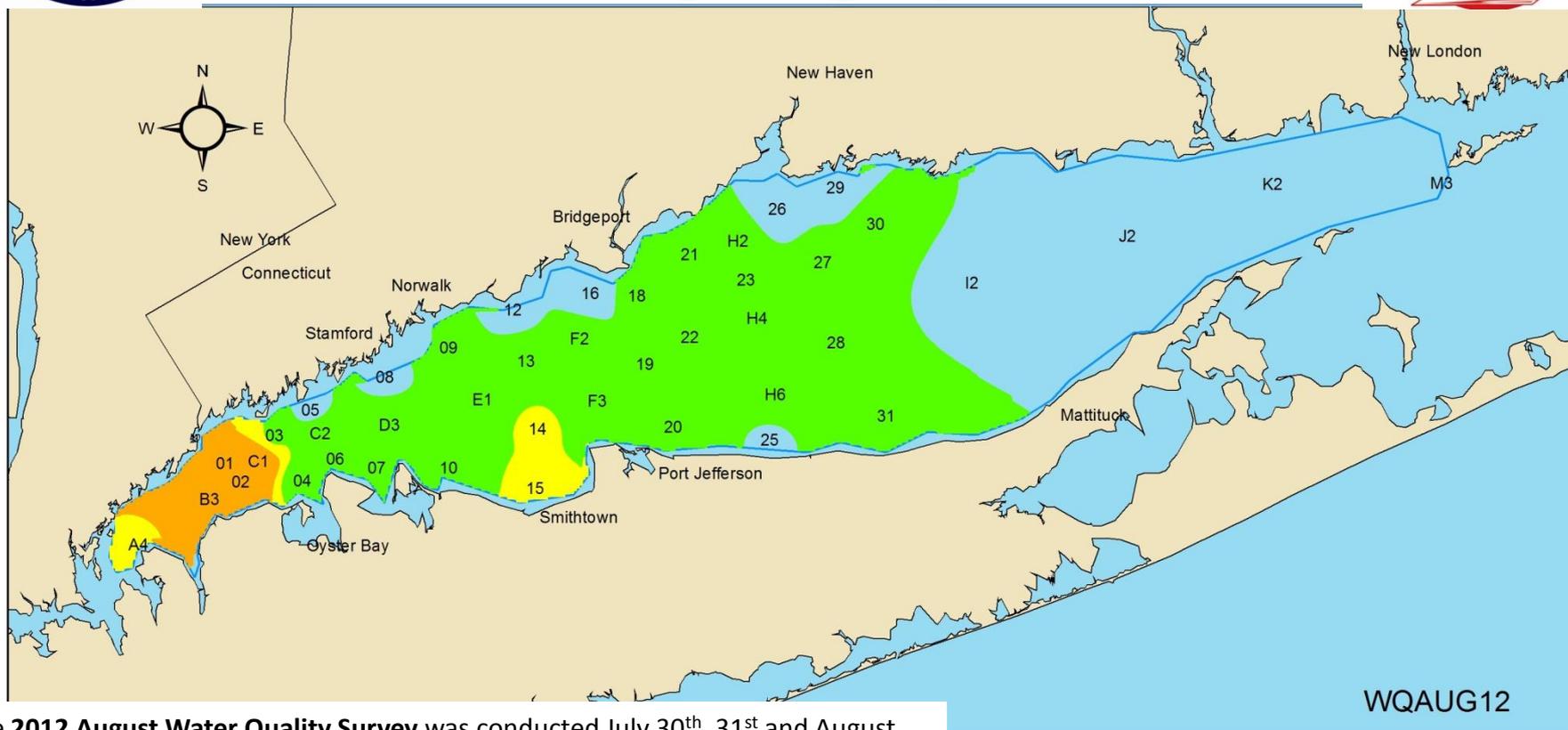




# Dissolved Oxygen in Long Island Sound Bottom Waters July 30 - August 1, 2012



The **2012 August Water Quality Survey** was conducted July 30<sup>th</sup>, 31<sup>st</sup> and August 1<sup>st</sup>. Forty-three stations were sampled. Bottom water dissolved oxygen concentrations fell below 4.8 mg/L at 32 stations, slightly worse than last year when 27 stations were less than 4.8 mg/L. Total area below 4.8 mg/L was an impressive 1,615 sq. km (623.5 sq. mi), which is nearly 60% of our study area (compared to 1173 sq. km for the WQAUG11 survey). In contrast, the area of bottom water affected by hypoxia (DO <3.0 mg/L) was only 121.2 sq. km (46.8 square miles) which is a decrease from the 165.5 sq. km (63.9 sq. mi) found at this time in 2011.

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