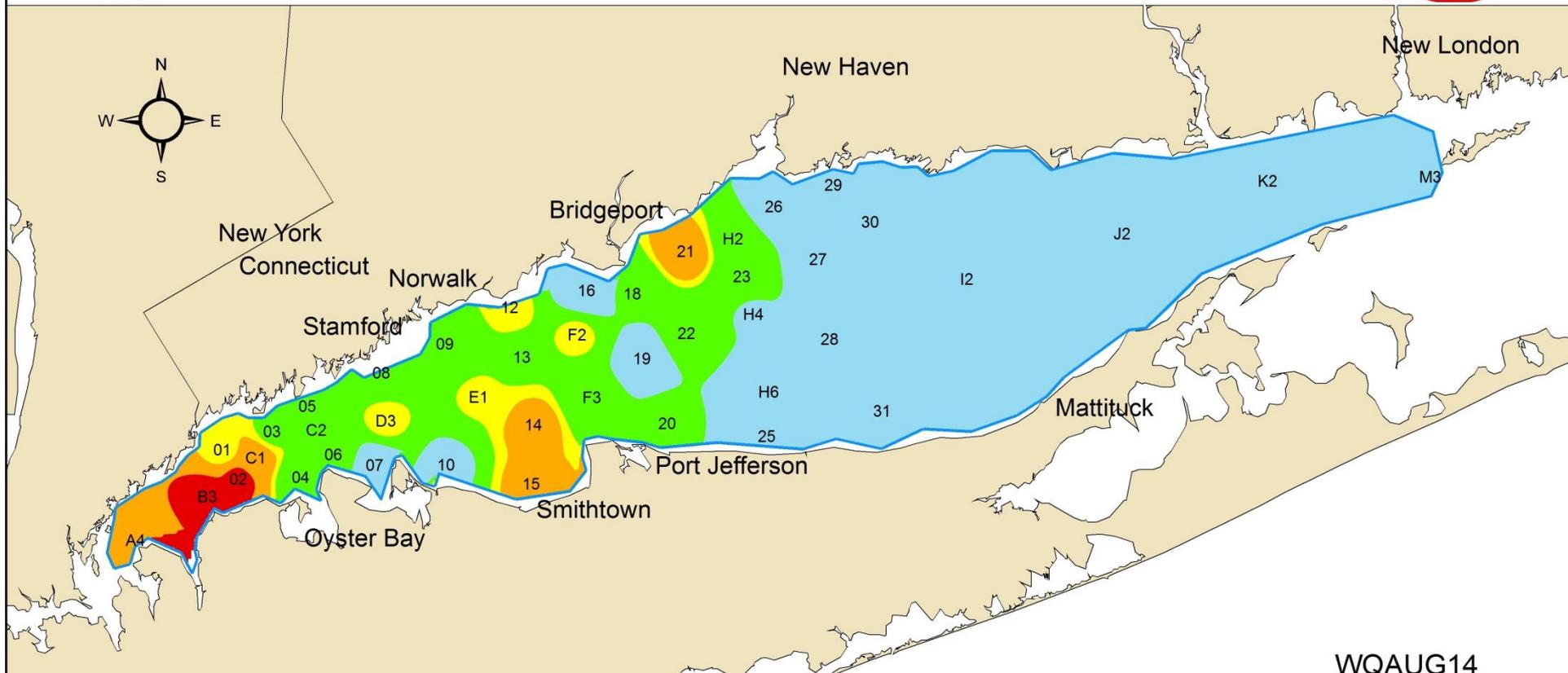
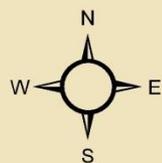




# Dissolved Oxygen in Long Island Sound Bottom Waters

4-6 August 2014



WQAUG14

The WQAUG14 survey was conducted 4 August- 6 August aboard the R/V John Dempsey. A total of 43 stations were sampled. Five stations dropped below 3.0 mg/L and two stations dropped below the 2.0 mg/L mark. During last year's August water quality survey only 1 station (A4) fell below 3.0 mg/L. The lowest DO level recorded during this survey was 1.67 mg/L at station B3. It is also notable that station 02 exhibited a minimum DO of 1.81 mg/L. Station A4 showed a large difference in top and bottom DO with the top being 15.66 mg/L and the bottom being 2.61 mg/L. A substantial sized algal bloom was also present at A4. The area of bottom water affected by hypoxia (DO <3.0 mg/L) was 225.6 sq km (87.1 sq mi), an increase from last year's 41.3 sq. km (15.9 square miles) affected.

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