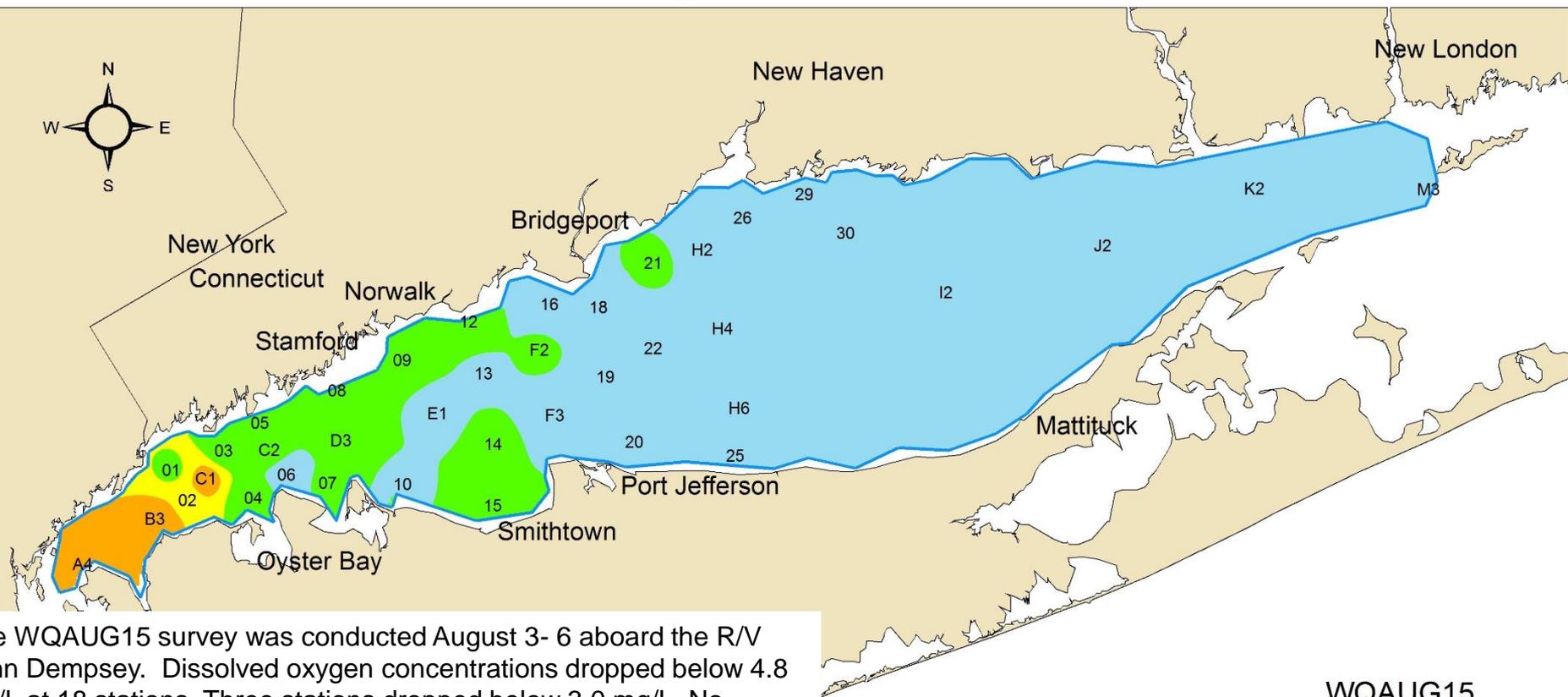
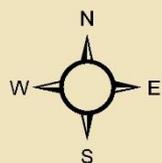




Dissolved Oxygen in Long Island Sound Bottom Waters

3-6 August 2015



The WQAUG15 survey was conducted August 3- 6 aboard the R/V John Dempsey. Dissolved oxygen concentrations dropped below 4.8 mg/L at 18 stations. Three stations dropped below 3.0 mg/L. No stations were below 2 mg/L. The lowest DO level recorded during this survey was 2.77 mg/L at Station A4. Our area estimates found 552.4 sq km (213.3 sq mi) with DO below 4.8 mg/L, significantly less than in 2014 when 980.5 sq km (378.6 sq mi) were below 4.8 mg/L. The area of bottom water affected by moderate hypoxia (DO <3.0 mg/L) was 90.1 sq km (34.8 sq mi); a decrease from 2014 when 225.6 sq km (87.1 sq mi) went hypoxic, but still greater than in 2013 when only 41.3 sq. km (15.9 square miles) were affected.

WQAUG15

| 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 |