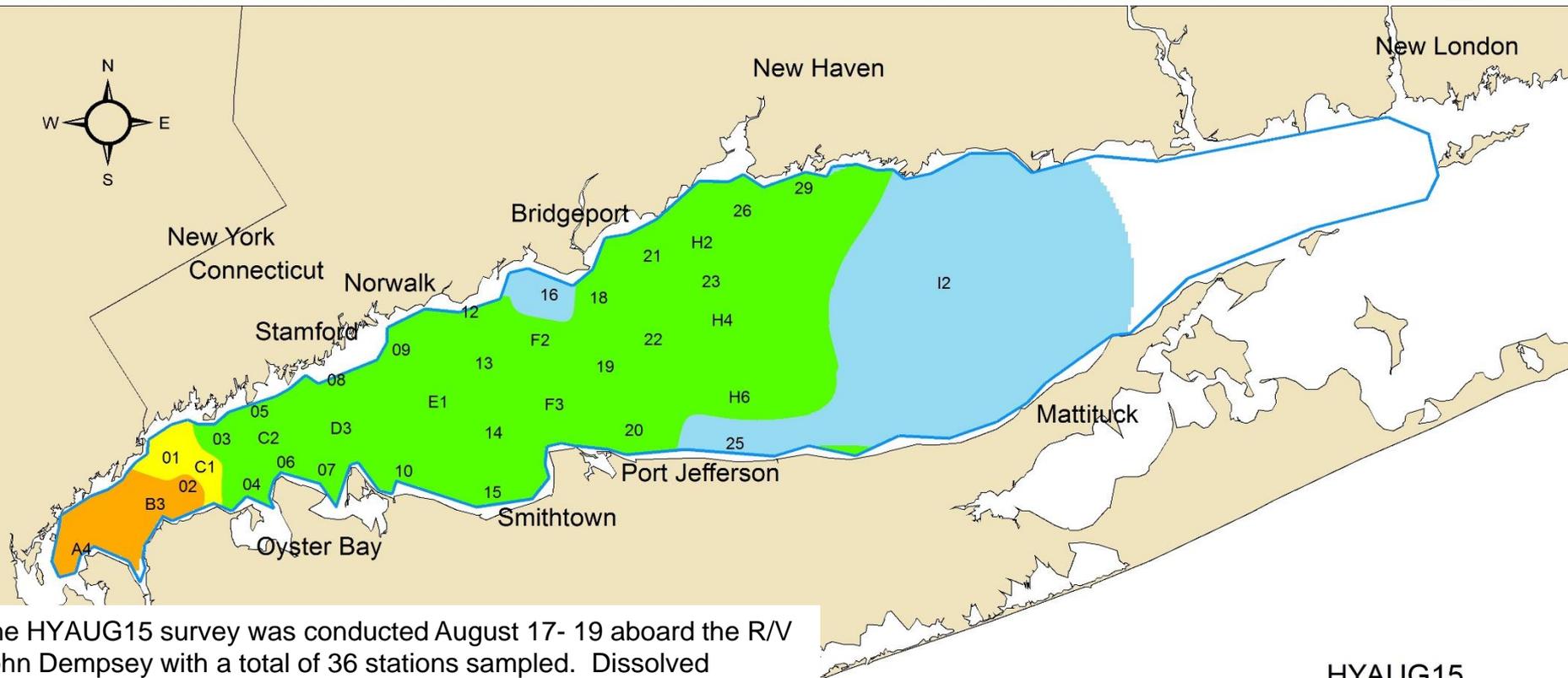
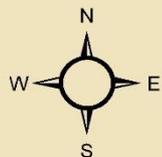




Dissolved Oxygen in Long Island Sound Bottom Waters

17-19 August 2015



The HYAUG15 survey was conducted August 17- 19 aboard the R/V John Dempsey with a total of 36 stations sampled. Dissolved oxygen concentrations dropped below 4.8 mg/L at 30 stations. Three stations dropped below 3.0 mg/L (A4, B3, 02). The lowest DO level recorded during this survey was 2.12 mg/L at Station A4. A total of 99.2 sq km (38.3 sq mi) exhibited moderate hypoxia (DO less than 3.0mg/L) which was better than in 2013 when 207 Km² (80.7 sq mi.) were observed. In 2014 at this time, the areal extent of moderate hypoxia was zero. DO concentrations at the LISICOS Execution Rocks buoy reached a low of 1.09 mg/L on 21 August.

HYAUG15

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