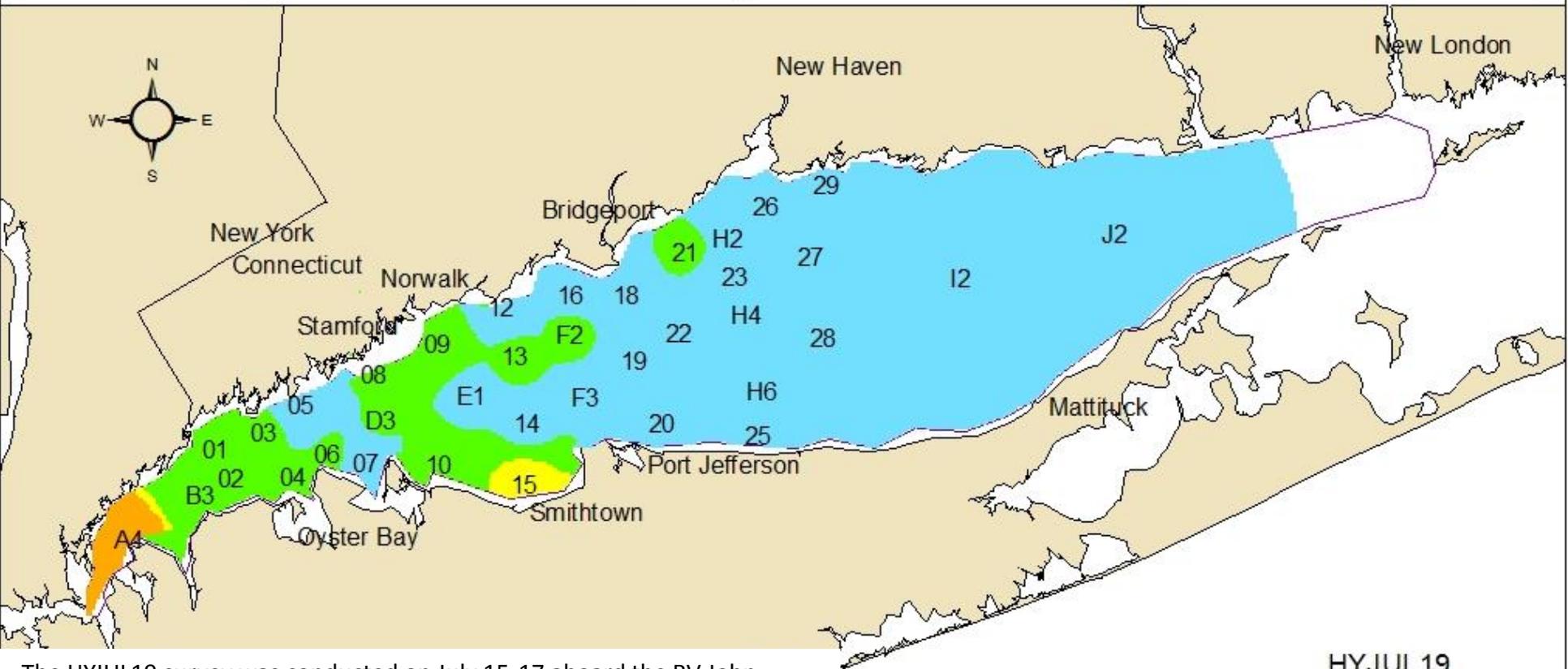




# Dissolved Oxygen in Long Island Sound Bottom Waters

15-17 July 2019



HYJUL19

The HYJUL19 survey was conducted on July 15-17 aboard the RV John Dempsey. 39 stations were sampled. The lowest dissolved oxygen (DO) recorded during this survey was at Station A4 with a concentration of 2.47 mg/L. The next lowest DO occurred at Station 15 with a concentration of 3.09 mg/L. These numbers are significantly less than during the HYJUL18 survey when the lowest DO was 3.70 mg/L at Station A4. In HYJUL19, Stations A4 and 15 were the only ones below 4 mg/L; however, a total of 26 stations were below 5 mg/L.

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

During this July's survey, there were 46.1 km<sup>2</sup> less than 3.0 mg/L.