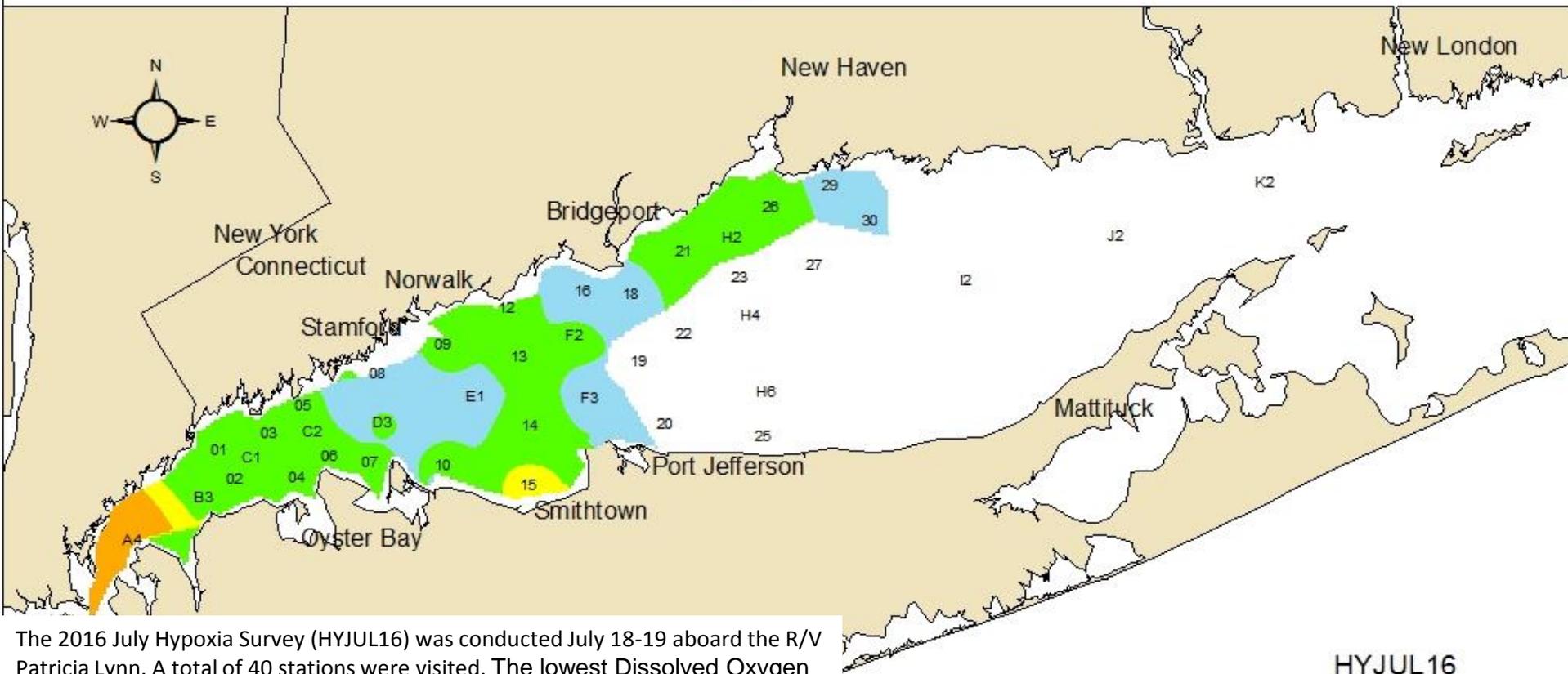




# Dissolved Oxygen in Long Island Sound Bottom Waters

18-19 July 2016



HYJUL16

The 2016 July Hypoxia Survey (HYJUL16) was conducted July 18-19 aboard the R/V Patricia Lynn. A total of 40 stations were visited. The lowest Dissolved Oxygen (DO) level recorded at the far western Sound station A4 was 2.44mg/L. The results of this cruise showed that 19 square miles of bottom water had DO concentrations below 3.0 mg/L. An additional 13.4 sq.mi. were below 3.5 mg/L and considered 'marginally' hypoxic. Maximum bottom water temperature was again observed at station 29 (as it was two weeks before during the July 5<sup>th</sup>, WQJul cruise) just south of Branford Harbor, CT where, at a depth of 32 feet the temperature was 20.97 °C rising from 19.81 °C on July 5<sup>th</sup>. Maximum surface temperature was 25.23 °C recorded at station H2 just southwest of New Haven Harbor.

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