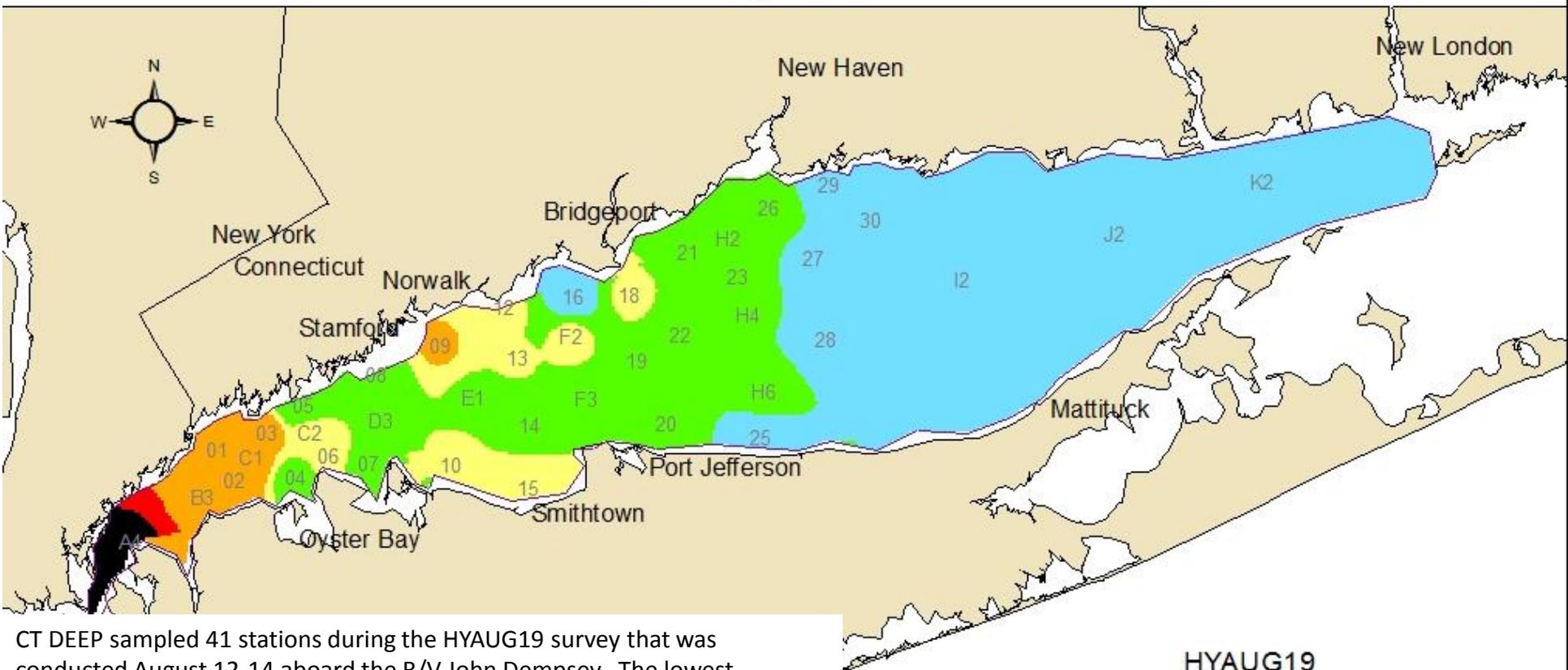




Dissolved Oxygen in Long Island Sound Bottom Waters

12 - 14 August 2019



HYAUG19

CT DEEP sampled 41 stations during the HYAUG19 survey that was conducted August 12-14 aboard the R/V John Dempsey. The lowest dissolved oxygen recorded was at Station A4 with a concentration of 0.89 mg/L. Six other stations were below 3 mg/L. Eight stations were less than 3.5 mg/L, and 17 stations were below 4.8 mg/L. The DO at Station A4 during the HYAUG19 survey was below its average (1.93mg/L) and median (1.55 mg/L) values from all HYAUG surveys conducted by CT DEEP between 1998 and 2019. During the HYAUG19 survey, there were 38.2 km² of bottom water that had DO concentrations less than 1.0 mg/L, 192 km² of bottom water that had DO concentrations less than 3.0 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