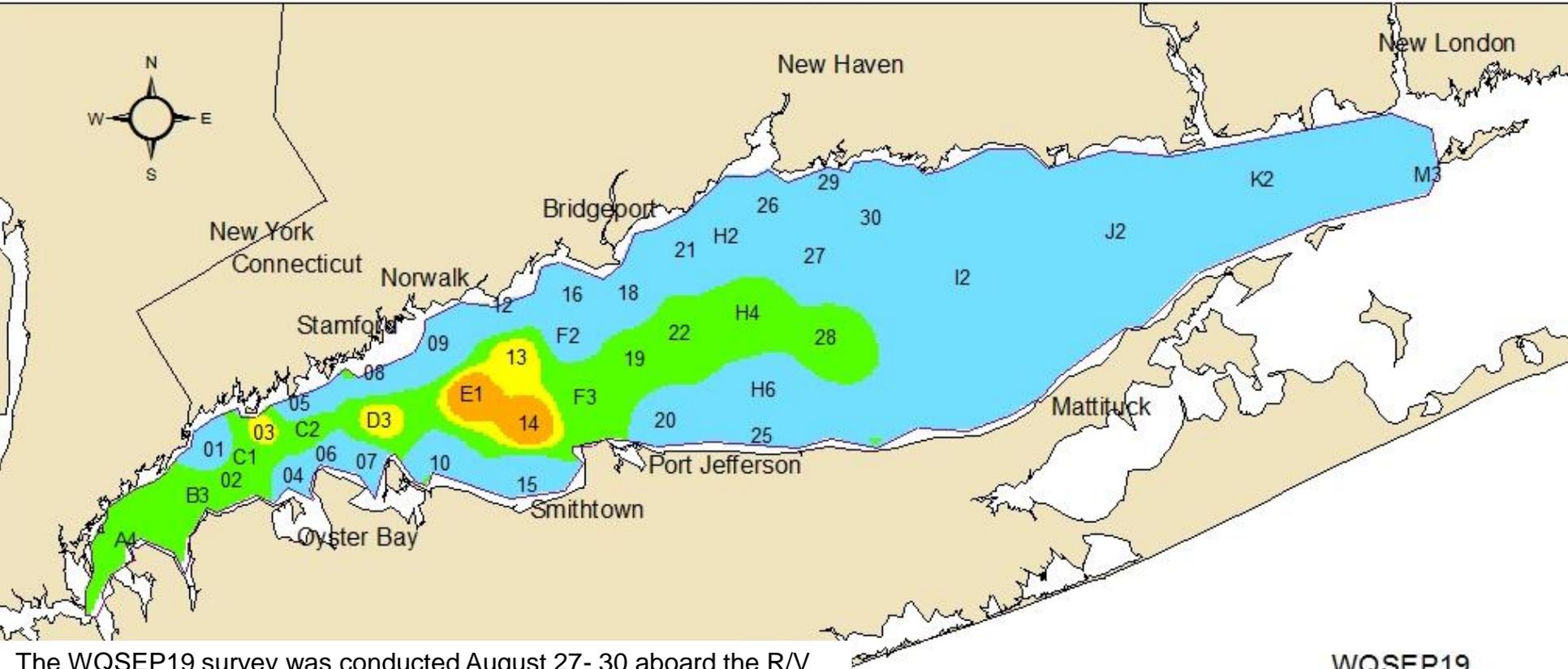




Dissolved Oxygen in Long Island Sound Bottom Waters

27 - 30 August 2019



WQSEP19

The WQSEP19 survey was conducted August 27- 30 aboard the R/V Patricia Lynn. 41 stations were sampled. The lowest dissolved oxygen recorded during this survey was at Station E1 with a DO concentration of 2.74mg/L. Only one other station (Station 14) had concentrations below 3 mg/L. Five stations were less than 3.5 mg/L and 10 additional stations were below 4.8 mg/L. There were 52.6 km² of bottom water that had dissolved oxygen concentrations less than 3.0 mg/L during the WQSEP19 survey. The estimated average area of bottom waters having concentrations below 3.0 mg/L during WQSEP surveys from 1998-2018 is 128.6 km².

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