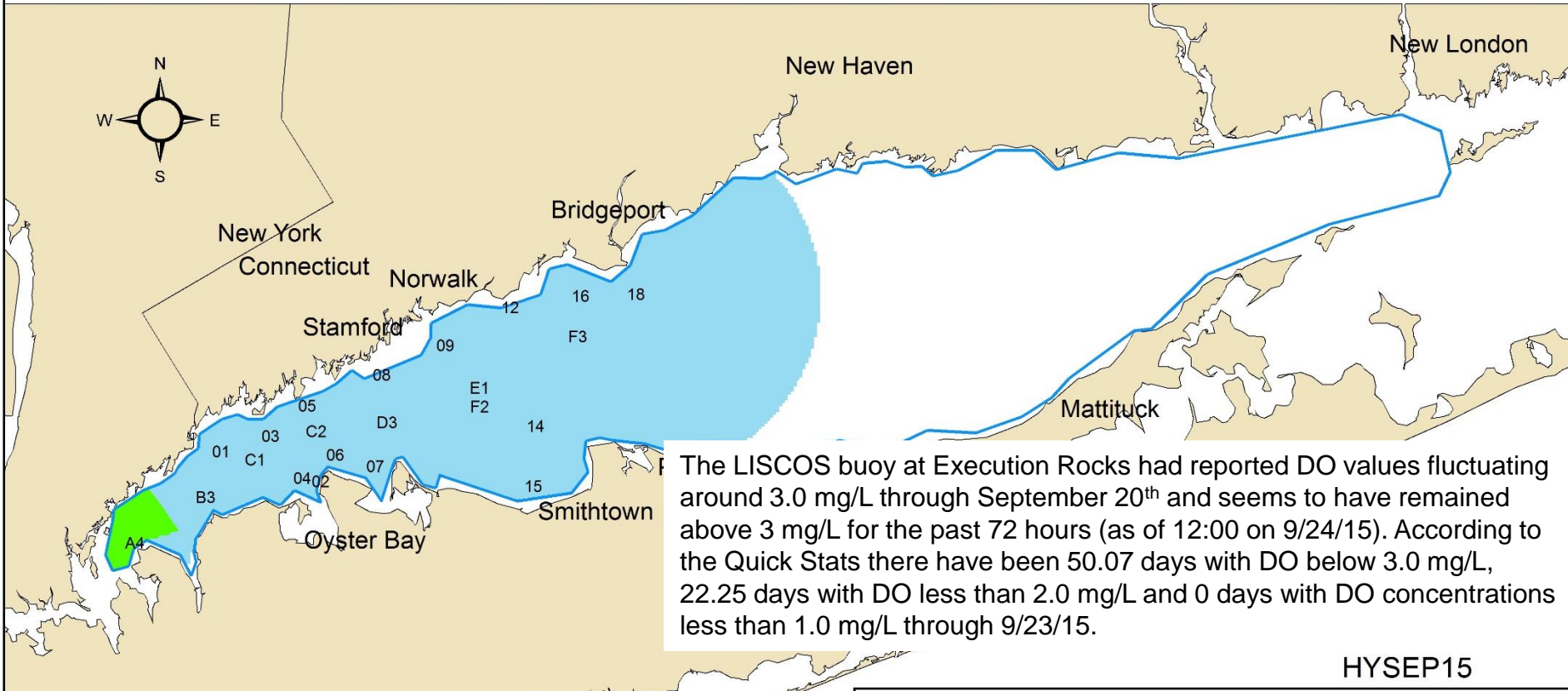
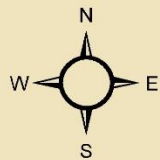




Dissolved Oxygen in Long Island Sound Bottom Waters

16 September 2015



The LISCOS buoy at Execution Rocks had reported DO values fluctuating around 3.0 mg/L through September 20th and seems to have remained above 3 mg/L for the past 72 hours (as of 12:00 on 9/24/15). According to the Quick Stats there have been 50.07 days with DO below 3.0 mg/L, 22.25 days with DO less than 2.0 mg/L and 0 days with DO concentrations less than 1.0 mg/L through 9/23/15.

HYSEP15

The **2015 September Hypoxia Survey** was conducted on 16 September. Twenty-two stations were sampled using the R/V Patricia Lynn. Bottom water dissolved oxygen concentrations were below 4.8 mg/L at only one station- A4. The lowest DO concentration was 4.24 mg/L. A total of 36.9 km² were below 4.8 mg/L during the HYSEP15 survey. In 2014 a total of 59.7 km² (23.05 mi²) exhibited DO concentrations below 4.8 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