



# Dissolved Oxygen in Long Island Sound Bottom Waters July 1-3, 2013



WQJUL13

The **WQJUL13** survey was conducted July 1-3 aboard the R/V John Dempsey. A total of 37 stations were sampled. Dissolved oxygen concentrations at all stations remained above 3.0 mg/L; this was comparable to this time last year but in 2011 three stations were already hypoxic. The lowest DO level recorded was 3.56 mg/L at station A4, followed by station 02 at 4.1 mg/L. All other values observed were above 4.0 mg/L. Our area estimates found 120.6 sq km ( 46.6 sq mi) 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 |