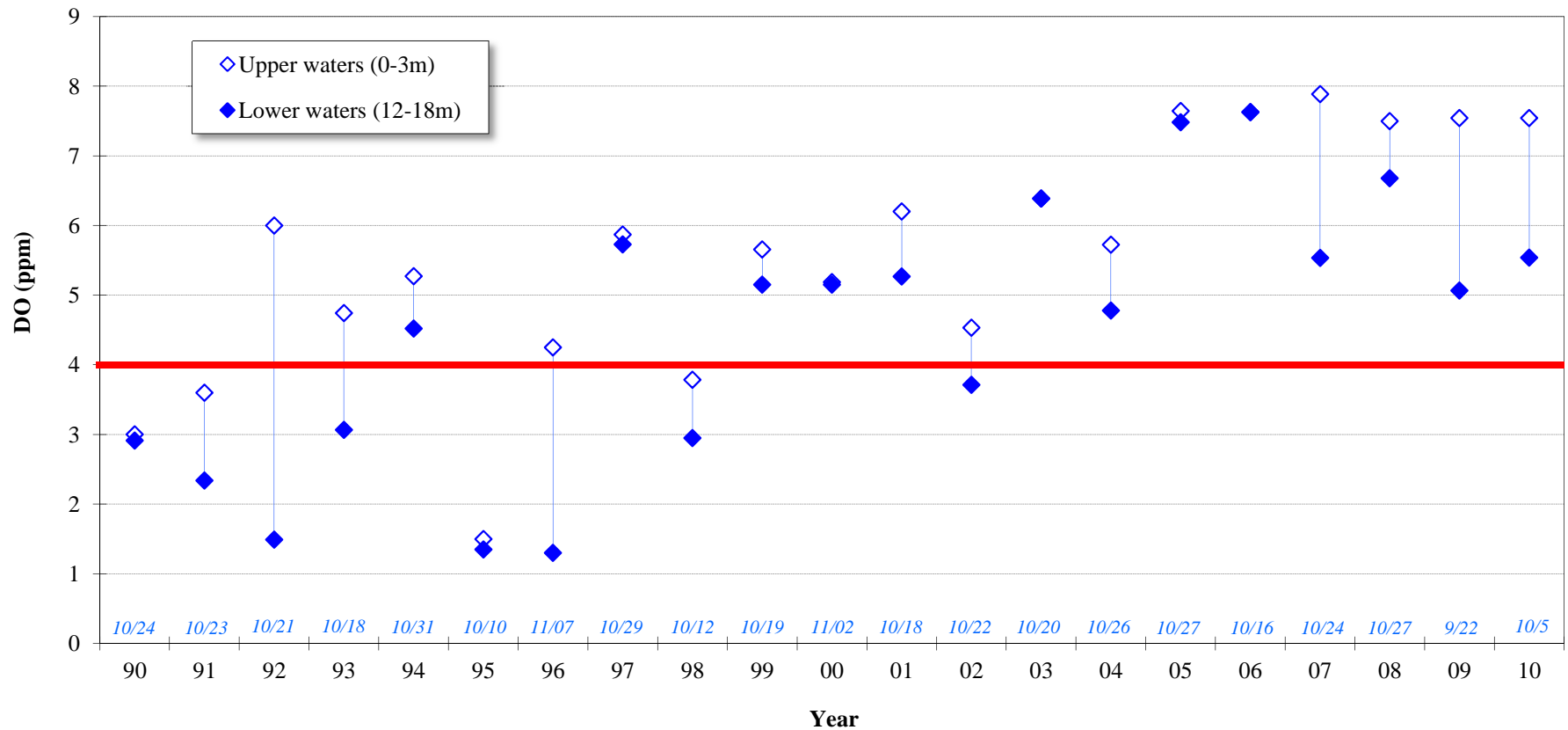


Library Reference 7.8



Minimum daily average dissolved oxygen (DO) in the upper waters (0-3m) and lower waters (12-18m) of Onondaga Lake during fall turnover (based on South Deep field profiles). The dates of the minimum upper waters daily averages are shown for each year. Values less than 4 (red line, regulatory limit) may be harmful to aquatic life.

To identify the field profiles collected during the fall turnover period each year, the minimum DO concentration in upper waters during fall (September-November) was calculated from *daily average concentrations* (0-3m) based on DO measurements collected every half-meter from 0- to 18-meter depth biweekly (weekly or more frequently during fall turnover). The average of measurements collected from 0 to 3m on each sample date represents the upper waters daily average concentration (0-3m). The minimum of these daily averages for each year is assumed to represent fall turnover for that year. Data from field profiles collected within 1 week (+/-) of the minimum were identified, and used to calculate the fall turnover minimum daily average for each year of upper (0-3m) and lower (12-18m) waters.