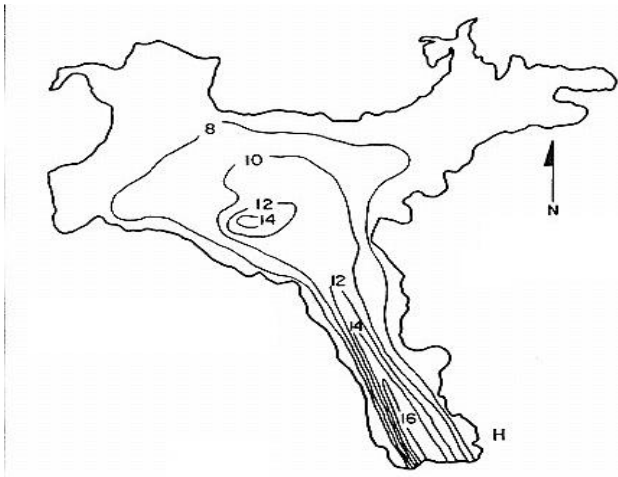


Lake Adirondack



Location

Pond Number: 050587A
 Watershed: Upper Hudson River
 County: Hamilton
 Topographic Quadrangle: Blue Mountain

Sample Site

Latitude: 43° 46.941'
 Longitude: 74° 15.432'

Morphometry

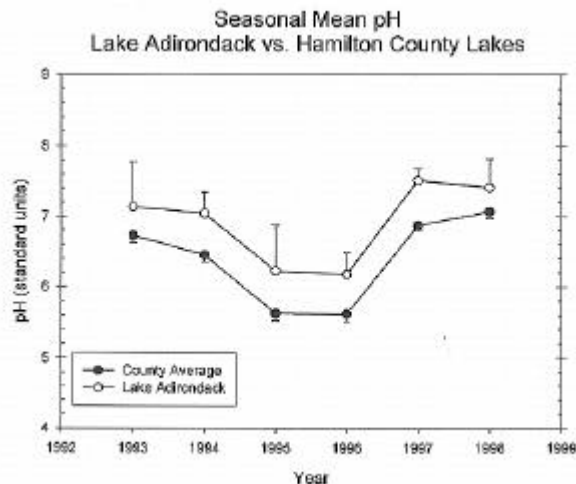
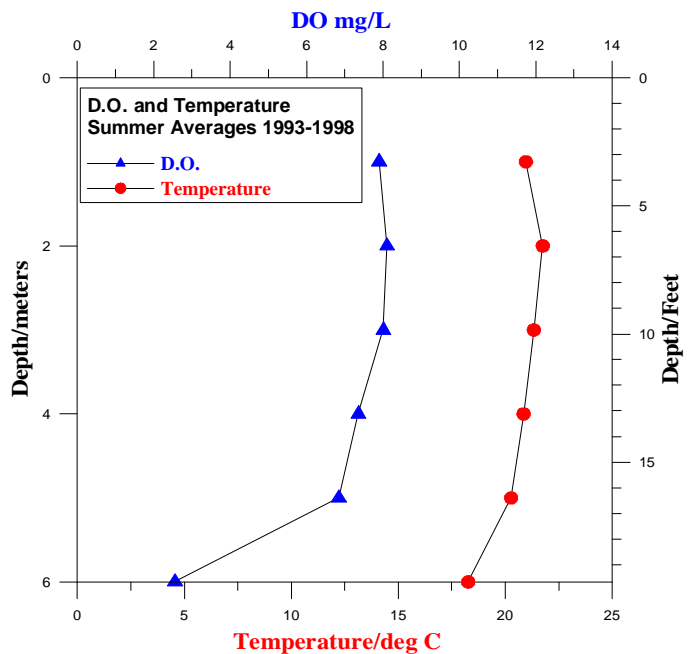
Surface Area: 168 Ac.
 Mean Depth: 8 Ft.
 Maximum Depth: 19 Ft.
 Volume: 1,344 Ac./Ft.
 Watershed Area: 667 Ac.
 Hydraulic Retention Time: 0.8 Yr.
 Shoreline Length: 3.7 Mi.
 Elevation: 1,660 Ft.
 Water Quality Classification: B
 Trophic State: Mesotrophic

Temperature

Lake Adirondack was not thermally stratified during the month of August in any of the study years (1993 - 1998). The lake was warmest in August 1995, when the surface temperature was 24.5° C. The lake was coolest in August 1993, when the surface temperature was 22° C. The thermal profiles for August were similar each year.

Dissolved Oxygen

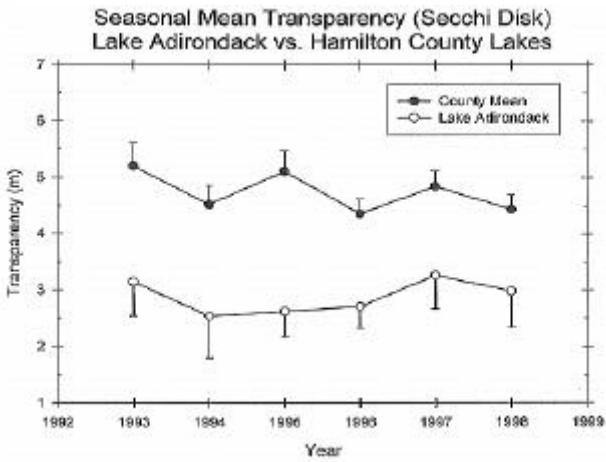
Lake Adirondack was fairly well oxygenated during the month of August in each of the study years (1993 - 1998). Dissolved oxygen concentrations were above 5 mg/L each August. In general, the dissolved oxygen concentrations increased each August from 1993 to 1998. The overall dissolved oxygen profiles were relatively similar for each of the study years.



pH

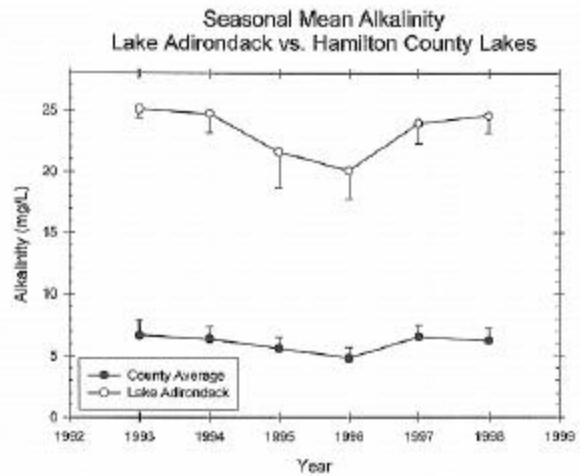
The pH trend for Lake Adirondack was similar to the county mean trend, with a low of 6.18 in 1996, and a high of 7.51 in 1997. Overall the mean pH values were somewhat higher (less acidic) than the county mean values.

Lake Adirondack



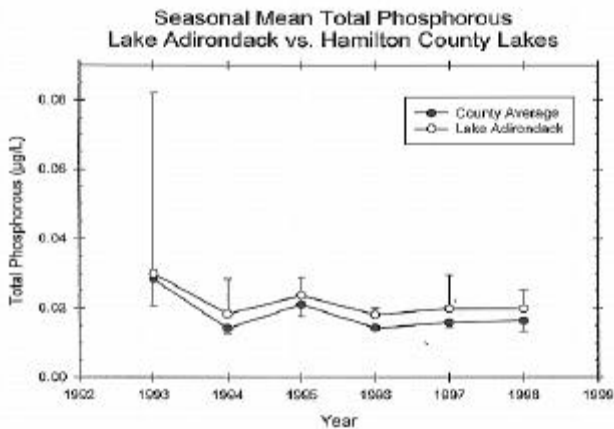
Transparency

The transparency trend in Lake Adirondack was similar to the county mean trend, with a low of 2.53 m in 1994, and a high of 3.26 m in 1997. Overall, the mean transparency values were lower than the county mean values.



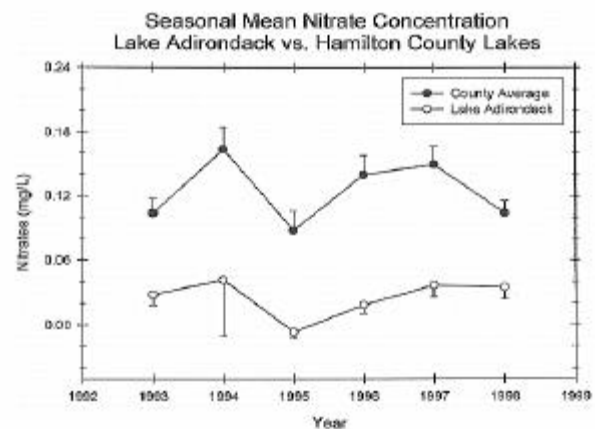
Alkalinity

The alkalinity trend for Lake Adirondack was similar to the county mean trend, with a low of 20.07 mg/L in 1996, and a high of 25.10 mg/L in 1993. Overall, the mean alkalinity values were much higher than the county mean values.



Total Phosphorus

The total phosphorus trend for Lake Adirondack was similar to the county mean trend. A low of 0.018 µg/L occurred in 1994 and 1996, and a high of 0.018 µg/L occurred in 1994. Overall, the mean total phosphorus concentrations were slightly higher than the county mean values.



Nitrate

The nitrate concentration trend in Lake Adirondack was similar to the county mean trend, with a low of 0.01 mg/L in 1995, and a high of 0.04 mg/L in 1994, 1997 and 1998. Overall, the mean nitrate concentrations were slightly lower than the county mean values.