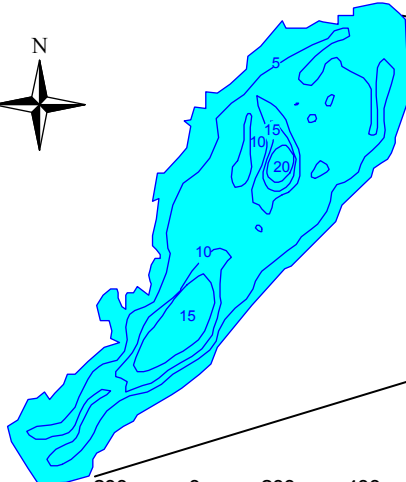
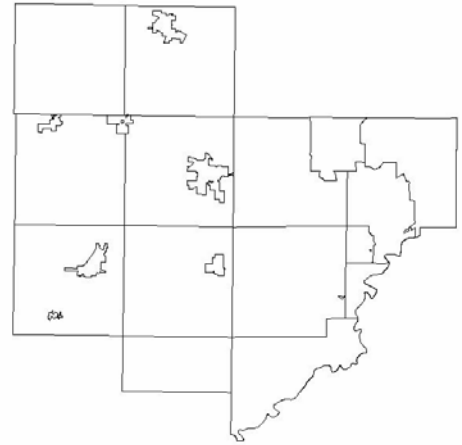


Firemen's Lake



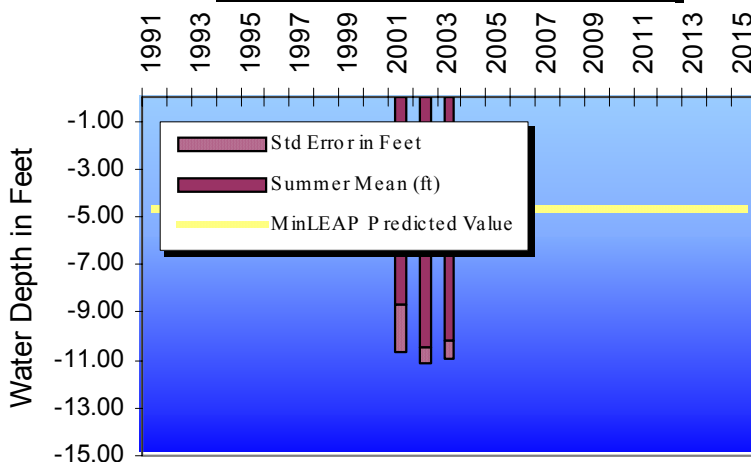
Lake Area (acres): 9
 Lakeshed Area (acres): 29
 Littoral Area (acres): 7.6
 Percent littoral area: 26%
 Maximum Depth (ft): 20
 Mean Depth (ft): 3
 *Note: Littoral area is defined by the portion of lake less than 15 ft. and dominated by aquatic vegetation.



Summary Points

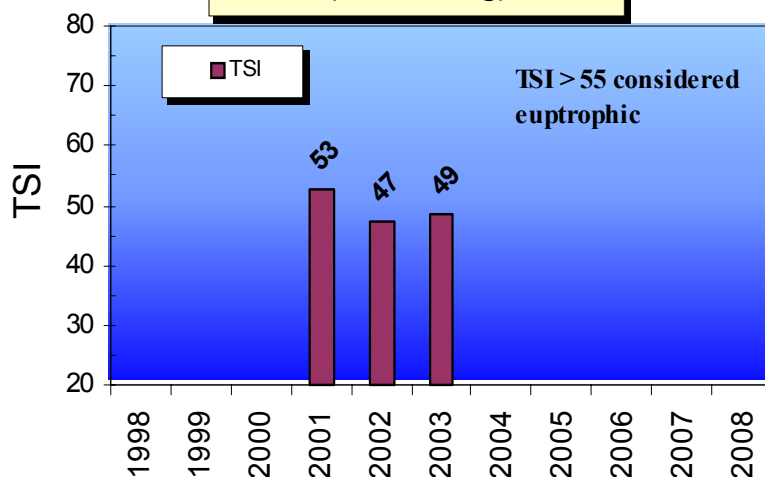
- 2001 was the first sampling season for Firemen's Lake
- The lake achieved an overall grade of B in 2001 and improved to an A in 2002 and 2003.
- The Carlson Trophic State Index rates the lake as mesotrophic.
- The lake area to lakeshed area ratio is 1:3.2, which is beneficial to the lake since the nutrient load from the watershed is relatively small.
- The dominant land use within the lakeshed is open space (76 percent) which is beneficial to the lake.
- The water clarity of 10.2 ft is higher (clearer) than the MinLEAP predicted range
- The Total Phosphorus concentration of 25.5 Ug/L is well below (better) the MinLEAP prediction.
- The Chlorophyll-a concentration is below (better) than the MinLEAP predicted range at 3.32 Ug/L.
- There is no fish consumption information available for this lake.
- The City of Chaska operates a swimming beach on Firemen's Lake.

Summer Mean Secchi Depth (Water Clarity)

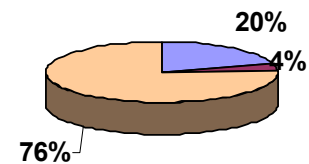


Note: Means calculated from 12 samples (2001).
 MinLEAP predicted range: 2.6 to 6.6 ft.
 Std. error can be plus (as shown) or minus the mean.

Carlson Trophic State Index (decreasing)



Land Use Within the Lakeshed



Legend: Agricultural, Residential, Open Space
 Note: Commercial/Industrial includes Public and Institutional Spaces