Lake and Pond Solutions Co.

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Dean Hintzman
415 Foxdale Lane
Arlington Heights, IL 60004

December 3rd, 2015

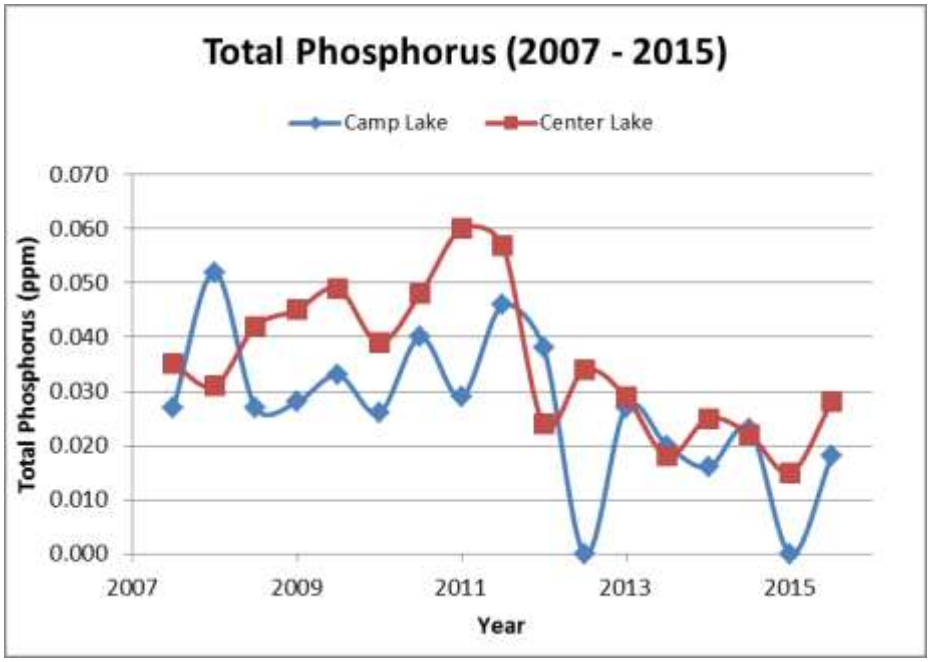
Dear Mr. Hintzman,

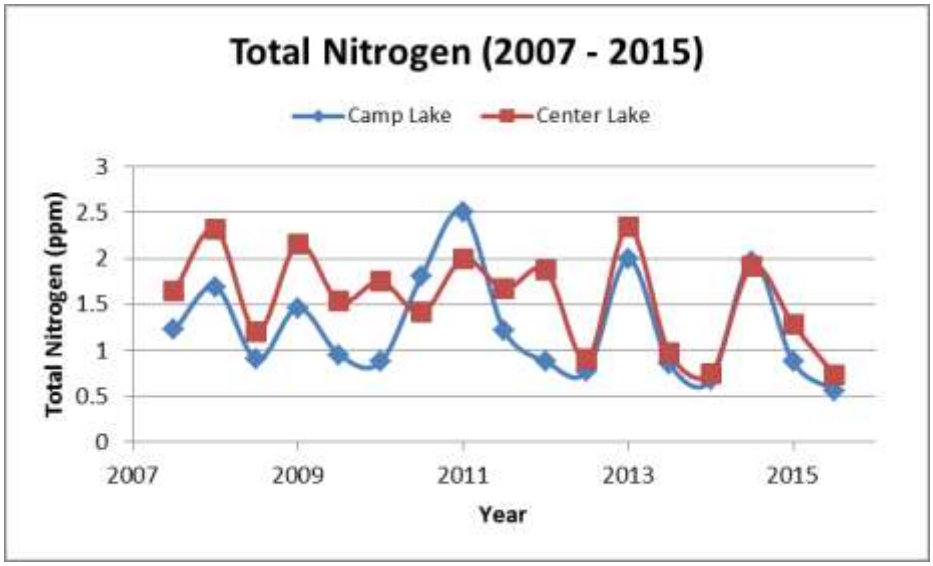
The attached laboratory results reflect data from our fall sampling efforts on Camp and Center Lakes.

The following parameters were analyzed: pH, Conductivity, Alkalinity, Total Hardness, Calcium Hardness, Reactive Phosphorus, Total Phosphorus, Ammonia, NO2+NO3, Total Kjeldahl Nitrogen, Chloride, Sulfate, Sodium, Potassium, Turbidity and Color. Since we've previously sent out detailed reports, I've only interpreted each component and commented where appropriate.

ANALYSIS	CAMP	CENTER
pH	NORMAL	NORMAL
Conductivity	NORMAL	NORMAL
Alkalinity	NORMAL	NORMAL
Total Hardness	VERY HARD	VERY HARD
Calcium Hardness	NORMAL	NORMAL
Reactive Phosphorus	LOW (Good)	LOW (Good)
Total Phosphorus	LOW (Good)	LOW (Good)
Ammonia Nitrogen (NH3)	LOW (Good)	LOW (Good)
Nitrite plus Nitrate Nitrogen (NO2+NO3)	LOW (Good)	LOW (Good)
Total Kjeldahl Nitrogen (TKN)	NORMAL	NORMAL
Chloride (Cl)	NORMAL	NORMAL
Sulfate (SO4)	NORMAL	NORMAL
Sodium (Na)	NORMAL	NORMAL
Potassium (K)	NORMAL	NORMAL
Turbidity	NORMAL	ELEVATED
Color	NORMAL	NORMAL

Overall, the water quality in both lakes looks good. Although total phosphorus increased slightly since the spring sampling, you'll notice that the general trend has dipped since 2012 (see graph below). I'm not sure how this correlates with the phosphorus ban in the area but that would be interesting to find out. Generally, reactive phosphorus (useable form) remains low and we saw a decrease in the nitrogen components since last fall.





There were no other significant changes outside of the clarity on Center Lake during the sampling (planktonic bloom most likely due to late season warming). If you have any questions or concerns don't hesitate to contact me.

Sincerely,

Jeff Stelzer – Biologist
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