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Dean Hintzman  
 415 Foxdale Lane  
 Arlington Heights, IL 60004

November 7<sup>th</sup>, 2013

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, Ammonium, NO<sub>2</sub>+NO<sub>3</sub>, 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.

<u>ANALYSIS</u>	<u>CAMP</u>	<u>CENTER</u>
pH	NORMAL	NORMAL
Conductivity	ELEVATED	ELEVATED
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 (NH <sub>3</sub> )	NORMAL	NORMAL
Nitrite plus Nitrate Nitrogen (NO <sub>2</sub> +NO <sub>3</sub> )	LOW (Good)	NORMAL
Total Kjeldahl Nitrogen (TKN)	NORMAL	NORMAL
Chloride (Cl)	NORMAL	NORMAL
Sulfate (SO <sub>4</sub> )	NORMAL	NORMAL
Sodium (Na)	NORMAL	NORMAL
Potassium (K)	NORMAL	NORMAL
Turbidity	LOW (Good)	NORMAL
Color	NORMAL	NORMAL

Overall, the water quality in both lakes looks good. Nitrite plus nitrate nitrogen which had gone up significantly in the spring (possibly from runoff), dropped in both lakes. These high spring nitrogen levels most likely were responsible for the blue-green algae outbreak this summer. Hopefully the lower levels leading into next year will reduce this potential. There are no other real concerns at this time. If you have any questions or concerns don't hesitate to contact me. Thanks!

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Stelzer". The signature is written in a cursive, somewhat stylized font.

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