**Part I: Comparing Nutrient Concentrations in Watersheds (75 points).**

1) A plot of nutrient concentrations vs time using R or Excel, but try using R (5 points)

2) A prediction about how you expect nutrient concentrations to change and why (5 points)

3) The equation of the fitted line, R2-value, the slope (5 points)

4) Description of Results: How is nutrient concentration changing over time? (5 points)

5) Interpretation of Results: What could explain these changes (refer to information learned from lecture and class readings)? (5 points)

**Part II: Assessing Relative Nitrogen and Phosphorus Limitation among Watersheds (25 points).**Now chose two watersheds (can be ones you have plotted above or different ones) and compare their relative N and P limitation.

You must include the following information:

1) Two plots of N vs P concentrations from two watersheds using R or Excel, but try using R (5 points)

2) A prediction about which nutrient limitation you expect and why (5 points)

3) The equation of the fitted line, R2-value, the slope (5 points)

4) Description of Results: Which nutrient is most limiting in both watersheds? How do you know? (5 points)

5) Interpretation of Results: What could explain the results of N, P, or N and P limitation (refer to information learned from lecture and class readings)? (5 points)