Hey Matt

Sorry I missed you yesterday. Here is a quick email update.

Springs stuff:

* Allen Mill has another vent about 100 ft from the headspring spitting out water ~4 mg/L! Phew!
* Since creating a rating curve for Little Fanning, the metabolism calculation is working well.
* I feel ready to start analysis. Ideas:
  + Incorporate light into the dataset using Lily’s paper (Paul’s model). I think it would be interesting to see whether Ichetucknee and Little Fanning were unaffected by fluctuating stage due no change in the light availability.
  + Determine the rate of recovery in order to infer severity using methods in AJ’s paper
  + Using my data and the SRWMD data, calculate the average frequency of RIs per year, and the average time it takes to recover. What are the physical/chemical differences between them? **How can I do analysis on physical traits?**
  + Begin putting meaning to the Vachon graphs: how does the length and width change with river intrusions?

Bradford stuff

* Josh and I visited Bradford Monday and collected water samples
* Once class are done, I *think* I will time to begin compyling data for the future ternary ploits
* I’ve skimmed the literature and here a few rudimentary ideas:
  + Ternary diagrams throughout the seasons using Bradford sites or any NWIS with multiple entrys
  + Carbon transport/storage throughout the season. How can wetlands be managed to best use the power of carbon storage
  + Methane chapter: incorporate methane into the metabolism analysis
    - Calculate whether the carbon storage outweighs the potential warming of methane emissions.