Research plans and timeline

* Biofilm manuscript
  + Analyze pond temp, water quality, nutrient data to predict biofilm biomass
  + Biomass of emerging mosquitoes
    - Size and # from emergence traps
* Density dependence/intra specific competition paper
  + Calculate per capita mortality and growth rate for ponds 2018
  + Calculate r for mosquito ponds from 2018 (and 2017?)
  + 2017 DD experiment (analyze data)
  + 2018 food quality data
* C02 paper
  + Extract weather data from 2018
  + Figure out how to combine trap data from 2017 and 2018
  + Compare larval habitat and landscape location w/ abundance data
* Predator/Prey paper
  + Colymbetes abundance data from 2011, 2012, 2017, 2018 w/ mosquito population data
  + Functional response experiment
  + Phenology of mosquito-beetle interaction
* Phenology paper
  + Pull of degree days for 2018 and mosquito emergence
  + Try some modifications of the degree day model (ie Nina lany’s work)
  + Systematically pull out degree days for all years from 1974 onward and plot frequency histogram (basically done, but re-run)
  + See if there are any trends with year
  + Use post/kerby dataset to corroborate findings
* Fecundity short paper
  + Dissect gravid insects from 2018
  + # eggs to wing length graph
  + Histograms of egg abundance
  + Show that autogeny is not likely in this population