Notes for meeting with Janet

6/6/23

From last time

* Started working on Q10 for ch 3 ionocytes
* For chapter 4 and DEB meeting I’m going to mainly present what I already did but include at the end that we are working on either:
  + Using what we know about fish mechanisms and maybe from the respirometry to implement a damage variable, based on the hypothesis that lactate and other toxic byproducts build up and cause damage.
    - European seabass paper suggests that developmental progress is delayed which could also cause mortality.
    - Goal is to get a better understanding of the mortality than the current framework gives.
    - Need to make sure I understand and can justify how this is different than what we already did.
  + Using the growth and metabolism data from oxygen treatments to do a simple mass-balanced energy budget to get an estimate of how growth efficiency is impacted.
    - Obstacle could be that we don’t have feeding or defecation data for oxygen treatments.
    - This would be a different way of getting at the yield coefficient parameter but may not do as well to explain mortality.
    - I suppose we could do both but I think my priority will be to start with the damage approach.
* Scope of work
  + Doing a round of edits before meeting again, then I will present it briefly at the Steering Committee meeting June 20.

Start by sending getting Chapter 2 done and to Janet before July 1st

* Send to all coauthors: Amy, Nils, Baoshan – maybe use Google Docs so everyone can look at it at the same time.

Spend week after conference making some progress on Chapter 4 while still fresh in my mind

Chapter 3

* Spend 3-5 days counting gill ionocytes.
* Have coauthors read chapter 3 in August.
* Message Megan, Nolwenn, and Maya about their availability in the summer to look at it.

Maybe have coworking sessions? If Maya is on LI maybe could do that or do virtually with checkins but point is to dedicate a full day (could include Janet too)