Meeting with Su, 1/09/2025

Things to go over:

1. I’m taking a class this term, think I should let you know
2. Status of first chapter
   1. Been trying new analyses types and trying to figure out how to understand alterations in distributions
   2. Community analysis- how can I get the statistical power without crashing my computer
3. Work on 1st chapter on MW, larval dissections T/Th, F either or
4. Money + things
   1. GRFP: **$2,617.20**
      1. Research allowance only goes through 09/30/2025
   2. Markham Award: **$5231.99**
      1. Goes through end of award (June 2025)
   3. What should I spend it on?
      1. My computer isn’t doing well – could spend $2000 for a new computer
      2. Larval fish conference 2025- Quebec- abstracts due February 15,
         1. Dates: June 15-19
         2. <https://larvalfishconference.com/>
         3. Could I get some of my fish dissected at least for otoliths + guts by then to do a preliminary comparison?
         4. 1391 hotel + 400 flights = 1791 + per diem, travel to/from airport – could use all GRFP money on this
      3. More lab materials? I could buy more dissection pins/tools, slides, microknives, cryovials. External hard drives for back ups?
5. Goals for the year:
   1. Hopefully will write the paper on the new YOLO-CNN comparison
   2. Reach out to Peter about the larval fish description paper
   3. I want to start working with my fish larvae, burnt out on ISIIS hypoxia chapter
      1. Juveniles = Markham Award, apply for another extension?
   4. W18 + W19 have been measured
      1. Measure W22 + W23
      2. Decide sample sizes
      3. Dissect otoliths + do guts (talked to Miram about guts, she said apps are easy)
      4. Prey field- also need the ISIIS data. Have 2018 + 2019
      5. Size comparison?
6. GRFP: no more funding after the summer. What is going to happen? TAing? I’d like to TA for BI450 in the spring of 2026. Online TA-ships?
   1. What is a realistic timeline for finishing?

Larval English sole sample sizes (by station):

Winter 2018

MaD

|  |  |
| --- | --- |
| **Station** | **#Fish** |
| NH 5 | 1 |
| NH 1 | 12 |

MbD

|  |  |
| --- | --- |
| **Station** | **#Fish** |
| NH3 | 1 |
| NH2 | 21 |
| NH1 | 510 |

Winter 2019

MaD

|  |  |
| --- | --- |
| **Station** | **#Fish** |
| NH4 | 13 |
| NH3 | 24 |
| NH2 | 59 |
| NH1 | 162 |

MbD

|  |  |
| --- | --- |
| **Station** | **#Fish** |
| NH5 | 1 |
| NH4 | 15 |
| NH3 | 31 |
| NH2 | 540 |
| NH1 | 208 |

Night 2019 has also been sorted and ID’d

MaN

|  |  |
| --- | --- |
| **Station** | **#Fish** |
| NH1 | 133 |
| NH2 | 32 |
| NH3 | 832 |
| NH4 | 11 |
| NH5 | 2 |

MbN

|  |  |
| --- | --- |
| **Station** | **#Fish** |
| NH 1 | 110 |
| NH 2 | 1528 |
| NH 3 | 190 |
| NH 4 | 12 |
| NH 5 | 26 |

Winter 2022

|  |  |
| --- | --- |
| **Station** | **#Fish** |
| GH 2 | 25 |
| GH 1 | 2 |
| CR 1 | 39 |
| CR 2 | 57 |
| CR 3 | 1 |
| CR 4 | 1 |
| CM 3 | 3 |
| CM 2 | 10 |
| CM 1 | 14 |
| NH 6 | 3 |
| NH 5 | 2 |
| NH 4 | 2 |
| NH 1 | 52 |
| HH 2 | 2 |
| HH 1 | 21 |
| RR 1 | 1 |
| RR 2 | 3 |
| RR 3 | 2 |
| RR 4 | 10 |

Winter 2023

|  |  |
| --- | --- |
| **Station** | **#Fish** |
| GH 3 | 59 |
| GH 2 | 119 |
| GH 1 | 423 |
| CR 1 | 14 |
| CR 2 | 14 |
| NH 1 | 1058 |
| NH 2 | 25 |
| NH 3 | 3 |
| NH 5 | 1 |
| HH 1 | 323 |
| HH 2 | 378 |
| HH 3 | 125 |