IEP Zooplankton Synthesis Team 2019

# Meeting Agenda 12/12/2018

## Madison will demonstrate her code

Currently has code to integrate data from 3 surveys: EMP, 20 mm, and FMWT; only Clark-Bumpus net data. In order to get the data to input into the integrated dataset, Madison has had to do some work up front to generate the right inputs (e.g. for 20 mm data creating flat files from the Access database). She will show the inputs, provide an overview of her approach to integration, and show what the draft output table looks like.

## Taxonomy crosswalk table

Different surveys identify to different taxonomic levels, or within surveys sometimes taxonomic resolution changes over time. Madison has been working on a taxonomic crosswalk table that provides definitions of the taxa used for each survey along with all higher taxonomic classifications. She will show the draft taxonomic crosswalk table and discuss some specific examples of challenging taxa to aggregate data for.

**Current challenge:** Developing a "least common denominator" solution to bin data into the most appropriate levels when using combined datasets.

## Discussion on adding more datasets

So far we have only combined monitoring datasets that use the Clark-Bumpus ~150 um mesh nets. Which datasets do we want to combine next? How do we want to deal with differences in net size? Do we want to consider providing conversion factors to account for net efficiency? Do we want mysid data to be integrated in a completely different dataset from mesozooplankton data?

## Metadata report

Karen has prepared a rough draft outline for the metadata report. It includes a draft of a few of the tables (adapted from the SuperZoop table) for examples. Input is desired!

## Laboratory methods day

CDFW folks will provide an update on their thoughts regarding a zooplankton identification practical in Fall 2019.