

## Food web Notes

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- Review the metrics Primary vs Secondary primary metrics
  - Also keep in mind timing and make sure it makes sense
  - For metrics involving fish food why is it not sampled with fish sampling.
    - Perhaps set fallout trap or drift net at the same time when sampling fish for Salmon (Dec-May)
      - Location is an issue in wetlands because of the tide so it may need to be done another day
    - Infrequent sampling blitzes can help tease apart variability.
  - Spatial sampling frequency has yet to come up in the PWT meeting
    - Some hypotheses has provided some guidance on sampling various habitats
    - often dictated by the crew's schedule
    - Do exploratory surveys first to find sampling locations
  - For analysis section include a practicality paragraph (substrate, tidal wetland length)
    - Perhaps include this in sampling design and say to test the gear as a pilot work
    - For food web data it is best to suggest non-parametric tests
    - Understanding data is very important, recommend testing assumptions, learning what the distribution is before starting anything.
  - Melody Baldwin does GIS at DWR and they do site mapping of AV
  - Hypo F2 -Some aquatic vegetation and high primary productivity can decrease DO and cause fish to die.
  - For hypotheses – perhaps include a sentence on whether the hypothesis has sub-hypos.
  - For fish diet include as triggered based on zooplankton abundance and skinny fish
  - Include plus and minus for weight of evidence table.

## Criteria Method

- Someone suggested one criteria should be: Is someone else collecting the data for you? We decided that if you are just downloading data from an on-line database, it isn't worth running that through the decision tool. However, we can't "volunteer" other programs to collect data, so even if one program can get help with their sampling, another can't.
- Methods not included in our pilot study will have to be based on expert opinion.
- Think about limitations of agencies, as some are more restricted than others
- Budget and contractor prices will be hard to estimate as things change day to day – should be a broad range, overhead is a worry.
- This tool may affect grants

- It would be good to have a table with multiple methods to measure a single metric and the amount of time/money required to have a skilled person, etc