

DBO Biology late afternoon data

- Physics-follow group
- Nutrients: type and depth
 - Subset intercalibration among labs: ideal
- Satellite- NASA, Frey identify which data: chlorophyll, productivity?
- Primary production: C13 method (harder for this method)-one, historical C14, too
 - Intercalibration: ideal
 - Geotracers, intercalibration, cruises –good example
 - Same cruises: interlaboratory comparison at sea
- Chlorophyll standing stock: two methods (metadata)-2 methods
 - Bulk, cross calibration
 - C30 Diana and Lee
- Species ID: 2012, slides, settling chambers
 - Cross calibrate 2-3 methods
 - Particulate silica, DV does with productivity, size fractionation
- Zooplankton
 - Metadata file ArcOD
 - Mesh 236, 150, 62 and 336, 505 (5 mesh sizes)
 - Someone provides correction
 - Manuscript drives direction of effort (aka \$\$\$)
 - Taxonomic issues:
 - Cross calibration; voucher specimen
 - Need metadata: species, genus level, how much
 - Explicit
 - Biomass length/weight

Benthos infauna

- Single and double 0.1 m²
- 1 mm screen
- Standing stock
- 1 mm
- RUSALCA
- AKMAP-Jewett
 - Only one van Veen
 - Shell
 - DBO Fairweather
- Epibenthos
 - 3 different trawl, Tucket otter, beam
 - qualitative
 - Rusalca:CB
 - Cross-calibration
 - Struggles and trawling
 - Camera system
 - Go-pro camera

- Seabirds
 - Standard, vetted as 99%
 - One variation issue of flying birds
 - Continuous or snap-shot method
- Marine mammals
 - Yes big eyes, standard survey
 - Watch not calibrated for DBO, Sue will provide example
 - Sonobuoys-additional

ACTION:

1. send metadata example your data set to Steve
2. Steve update DBO metadata file-every DBO participant fill out
3. Have subgroups deal with variability, sampling issues, calibration needs
4. Chose low hanging fruit for key highlights for paper