

Data Management Plan

This project includes multiple laboratory and field experiments, which will result in multiple data sets, from DNA sequence data to feeding rate data. Data produced from this project are summarized below. In compliance with the NSF OCE Data and Sample Policy (<http://www.nsf.gov/pubs/2011/nsf11060/nsf11060.pdf>), these data will be submitted within 2 years of collection to the Biological and Chemical Oceanography Data Management Office (BCO-DMO; <http://bco-dmo.org/contact/>) at WHOI and/or to the National Center for Biotechnology Information (DNA sequence data).

Data Products from this project:

Variable & Description

1. Sequence data:
 - a. Mitochondrial cytochrome oxidase I (mtCOI) sequence data for all copepod species in Kaneohe Bay.
 - b. Species-specific qPCR primers for *Bestiolina similis*, *Oithona simplex*, and *O. attenuata*.
2. Abundance Data:
 - a. Flow cytometry, fluorometry and microscopy-based data for the abundance of bacteria, phytoplankton, and microzooplankton (protist and metazoan) in Kaneohe Bay during our field studies.
 - b. qPCR interrogated samples will produce abundance data for calanoid and cyclopoid nauplii through adult phases during our field studies.
3. Natural Grazing Rates:
 - a. Microzooplankton community (protist and metazoan micro-grazers) and naupliar-specific grazing rates in Kaneohe Bay.
 - b. Qualitative qPCR-based gut analyses of field-caught adult cyclopoids to assess their grazing impact on natural naupliar prey.
4. Laboratory Grazing Rates:
 - a. Naupliar grazing rates for *Parvocalanus crassirostris*, *Bestiolina similis*, *Oithona simplex* and *O. attenuata* feeding on mixed prey types.
 - b. Cyclopoid grazing rates on copepod nauplii from laboratory experiments.