

DATA MANAGEMENT PLAN

This project will generate ecological and oceanographic data. Specific plans for archiving these data are outlined below.

ECOLOGICAL AND OCEANOGRAPHIC DATA

The proposed research will produce ecological data from laboratory and field experiments on the snail *Nucella canaliculata*, and physical data from oceanographic sampling in the intertidal zone.

(1) Data collected:

Laboratory Data

- Measurements of drilling capacity (maximum drill hole depth) in 6 snail populations (Hypothesis 1.1).
- Scores of snail drilling phenotypes following selection experiment with prey treatments (H2.1)

Field Data

- Measurements of mussel shell thickness from 8 study sites (H1.2)
- Percent cover of sessile species during mussel bed succession experiment (H2.2)
- Abundance of intertidal barnacles and mussels; shell thickness of mussel recruits (H2.3)
- Oceanographic data (temperature, pH, and chlorophyll-a) recorded in the intertidal zone at Bodega Marine Reserve (H.2.3)

(2) **Data storage:** Data will be stored on PI Sanford's office computer (Dell Optiplex 990, 3.4GHz processor, 1TB hard drive), which is backed up daily and automatically to the Bodega Marine Laboratory server. In addition, Sanford will routinely back up all files to a hard drive stored off site.

(3) **Data dissemination:** Data from this work will be published in peer-reviewed journals and presented at scientific conferences.

(4) **Data sharing and public access:** All data generated during this project will be made publically available after relevant publications have been completed. The data summarized above will be uploaded with appropriate metadata to BCO-DMO (<http://www.bco-dmo.org/>) at the conclusion of the experiments (within 1 year of completion of the project).

(5) **Data management after term of grant:** PI Sanford will be responsible for management of these data both during and after the project.