

Data Management Plan

This Data Management Plan was prepared in accordance with NSF Data Inventory guidelines for Biological Oceanography and expands on text provided in the proposal.

Data Types:

1. Biological samples

Data and Meta-data Format: Written laboratory and field notes will be scanned to produce a digital archive of the project. Larval settlement counts (Eggleston) and geochemical shell signatures (Fodrie) will be summarized in a spreadsheet form.

Preservation, Archiving and Access: Standard protocols for preservation of the biological samples will be used and documented to allow taxonomic descriptions. Samples of recently settled *C. virginica* from field experiments will be archived within Jordan Hall on the campus of NC State University (Eggleston). Samples of oyster larvae used in geochemical tagging experiments will be archived at the UNC-Institute of Marine Sciences, Morehead City, NC (Fodrie) and can be provided upon request to the PIs, provided any ancillary study does not interfere with this project's goals.

2. Oceanographic Data

Data and Meta-data Format: Drifter data (lat, lon, time) and wind speed/direction will be stored in ascii text format, as will *in situ* measurements of water temperature, salinity, and oxygen content that are collected synoptically during field surveys (Eggleston). Predicted current velocities from ADCIRC (Luettich) and larval dispersal trajectories North/Eggleston) will also be stored in ascii text format.

Archiving and Access: Oceanographic data will be archived at NCSU, UNC-IMS and Univ MD. The National Oceanographic Data Center (<http://www.nodc.noaa.gov/>) also will serve as a permanent repository of estuarine physical data.

Estuarine physical data and derived data products, such as maps of the drifter tracks and modeled larval dispersal, will be released immediately through a project website.

Data Compliance Reporting:

Data compliance activities will be summarized and documented in annual reports submitted by the lead Principal Investigator. Eggleston will oversee the management of oceanographic and biological data.