

Integrative evaluation of larval dispersal and delivery in kelp rockfish using inter-generational genetic tagging, demography and oceanography

Award number: NSF-OCE 1260693

Data Management Plan:

Four kinds of data (and associated metadata) will be generated from this project: (1) demographic and distribution data for adult and recruited kelp rockfish, (2) genetic data for the sampled adults and recruits, and (3) oceanographic data collected from Carmel Bay (ADCP profiles, thermistor arrays) (4) results of model runs of the higher resolution regional oceanographic modeling system (ROMS) of the study area. Datasets and their corresponding metadata for all four forms of data already exist and new datasets generated by this project will follow the same formats and will be archived and disseminated similarly.

Preexisting datasets with corresponding metadata for demographic (1) and oceanographic (3) have been generated by PI-Carr in his affiliation with the Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO). These raw ecological and oceanographic data sets and metadata are available online through <http://data.piscoweb.org/DataCatalogAccess/DataCatalogAccess.html>

Short sequence reads (unprocessed) from the marker development sequencing (2) will be deposited in the sequence read archive (SRA) (formerly short read archive) housed at the NIH-NCBI. All SNP assays designed will be deposited in the dbSNP database of the NIH-NCBI. All multilocus SNP genotypes (2) will be deposited in the DRYAD database (www.datadryad.org), which is a repository that makes such datasets freely available to the public.

All data (1-3 above) generated by this project will also be registered with the Biological and Chemical Oceanography Data Management Office (BCO-DMO): (<http://www.bco-dmo.org/>). ROMS model results (4) will be posted on a project page linked by tab to the UCSC Ocean Modeling webpage (<http://oceanmodeling.ucsc.edu>).