DATA MANAGEMENT PLAN

Types of data. During the proposed project we will collect ecological (organisms' abundance, interaction strengths, nutritional quality) and environmental data (seawater temperature, pH, carbonate chemistry).

Standards for data. Metadata and all data will be submitted to The National Oceanographic Data Center (NODC), the NSF funded Knowledge Network for Biocomplexity (KNB), and the Ocean Acidification International Coordination Centre (OA-ICC) in their preferred format.

Policies for access to data. All data used in peer-reviewed publications will be submitted to NODC, KNB, and OA-ICC at the time of publication. Standard policies for access (e.g., obtaining permission from dataset owner) will be used as appropriate. The PI, students and technician will be given access to the data.

Policies for re-use of data. We anticipate and encourage collaborative re-use of our data (e.g., applying new analytical techniques to generate new insights or using data in the context of comparative studies and reviews). For example, the PI has contributed to a collaborative effort that has generated an article comparing patterns in pH variability among different marine ecosystems (Hofmann *et al.* 2011), and she regularly re-uses data for syntheses and meta-analyses in her primary research (Kroeker *et al.* 2010). Moreover, Kroeker was a presenter and participant at the *Technical Meeting on Management of Biological Data Related to Ocean Acidification: International Cooperation and Development of Standards*, hosted by the OA-ICC in 2014, where the participants developed international recommendations for data management and sharing of biological and ecological data. In all cases, data will be re-used only if significant new insights emerge from new analyses.

Plans for archiving data. Data will be archived at the NODC, KNB and OA-ICC. Metadata and data will be submitted within 2 years of data collection. We will submit our data to NODC first and work with archivist there to coordinate the sharing with other appropriate data centers.