

## **Data Management Plan**

### **1. Data and Samples Collected**

Data collection for this project will include a series of genetic data including sequence data (ITS and microsatellites flanking regions) and size fragment data (cp-23S rDNA and microsatellite fragment sizes). A small portion of each octocoral sample will be dried and used for species identification.

### **2. Sample and Data Storage**

Although little tissue remains after DNA extraction, remaining tissue samples will be stored at the University at Buffalo in -80° C freezers. DNA remaining after analysis will be archived in the Coffroth laboratory. Dried specimens used for octocoral species identification will be archived at the University of Buffalo and will be readily available to other researchers upon request.

Data generated will be stored on the University of Buffalo File Sharing server which is backed up daily. Lab notebooks and field notes will be scanned and archived as pdf files along with the metadata.

### **3. Data Sharing and Public Access**

Data will be uploaded to the Biological and Chemical Oceanography Data Management Office for storage and public access upon publication or within three years of data generation. All sequence data will be deposited with NCBI's Genbank. We will make data available to researchers upon request, including available molecular data, maps of collection locations, and temperature data.

### **4. Dissemination of Results**

The chief venue for the dissemination of results will be via meeting presentations and publication of results. PI Coffroth has a strong record of presenting data at well-attended scientific meetings (e.g. International Coral Reef Symposium, Benthic Ecology Meeting, Society for Integrated and Comparative Biology, International Symbiosis Society) and publishing papers in highly regarded journals.

### **5. Responsibilities for Data Management**

Coffroth will have the responsibility for data management of the project. Specifically, Coffroth will be responsible for overseeing and managing the database on the server at UB. She will also be responsible for archival of all data generated from this project and the generation and submission of genetic data to Genbank.