DATA MANAGEMENT PLAN

1. **Guiding philosophy:** We will conform to NSF policy on the dissemination and sharing of research results by making data from this project freely available to as many scientists and members of the general public as possible (i.e., by archiving data at publically accessible data centers and by providing as much help as possible to inquiries).

2. **Data policy compliance**: We will share and archive data collected as part of this research project in compliance with NSF policy (NSF11001) and the Division of Ocean Science Sample and Data Policy (NSF11060).

3. **Lab Studies:** This includes experiments performed and samples collected during field work at the University of Georgia Marine Institute on Sapelo Island, as well as work performed in the Hollibaugh lab at UGA. Specifically, routine field data (environmental data, chemical analyses, gene abundance surveys, rate measurements, etc.) will be contributed to the GCE-LTER database (http://gce-lter.marsci.uga.edu/) and will be maintained in existing offline PI databases. Lab notes are maintained in both digital format (primarily Excel spreadsheets and Word documents) and as written descriptions of the experiments in lab notebooks.

4. **SINERR Data:** We will also make use of data collected by the Sapelo Island National Estuarine Research Reserve (SINERR; http://www.sapelonerr.org/), specifically environmental data (temperature, conductivity, pH, dissolved oxygen, turbidity) collected continuously at the monitoring station they maintain at Marsh Landing, Sapelo Island. These data are archived and are publically available in the reserve system's Centralized Data Management Office (CDMO; http://cdmo.baruch.sc.edu/).

5. **Sequence Data:** Sequence data will be deposited in GenBank or other national database, (e.g. CAMERA) with appropriate metadata within 2 years of the completion of the project.

6. **Sample Archives:** We will archive samples of the crude DNA we collect during this study in -80 o C freezers with power failure back-ups (we have archived samples from the early 90's that have been maintained in this manner and are still useful and used).

7. **Isolates:** Any isolates we obtain that are described in publications will be maintained for at least one year following the publication date or they will be validly described and deposited with the appropriate culture collection.

8. **Data sharing among participants:** Finally, we will encourage data sharing among participants in this project to promote collaboration and prompt publication. Coauthorships and acknowledgments will be discussed when the data are requested and revised as needed in light of contributions to subsequent data analyses and writing efforts.