

DATA MANAGEMENT PLAN

Hurricane Harvey

Products of Research:

The Principle Investigators, Dr. Jaye Cable, Dr. Tamlin Pavelsky, and Jill Arriola, are responsible for the collection, storage, and dissemination of the data collected during this project. The products of this research will be presented in the form of text, tables, plots, and images in peer-reviewed journal articles and conference proceedings. The results may also be included in book chapters.

Data Format and Content:

All participants are required to maintain laboratory notebooks. The laboratory notebook documents the metadata of sample collection, methods of sample analysis, the person or persons who participated in field or lab work on that date, and raw results of the research. It contains drawings, calculations, text, plots, and images. Each laboratory notebook entry is marked with the date, and sufficiently detailed, legible, and clear such that other researchers may look at the entry at any later date and be able to reproduce what was performed. Data produced will be entered into a digital spreadsheet format, such as Microsoft Excel. Data will be saved in multiple locations, including Dr. Cable's lab computer, a shared external hard drive, on the Geochemistry Group Sharedrive at UNC-Chapel Hill, and Ms. Arriola's personal laptop and thumb drive. All digital data gathered will be backed up daily on external drives to protect from loss of data due to hardware failures, fire, theft, etc. Remaining sediment samples will be archived at the University of North Carolina at Chapel Hill, NC.

Results of the research will be made available in digital form in spreadsheet tables, tab-delimited files, or image files. Images will be saved in standard image formats such as JPEG, TIFF, or PNG. Manuscripts will appear in PDF, and contain text, calculations, drawings, plots, and images. The targeted journals for the results of this research project are *Estuaries & Coasts*, *Limnology and Oceanography*, or *Estuarine, Coastal, and Shelf Science*. All journals provide a downloadable PDF copy of the manuscript on the web.

Data Access and Sharing:

Ms. Arriola will publish the results of this project. Papers will primarily be published in peer-reviewed journals and conference proceedings. Primary data and other supporting materials created or gathered by Dr. Cable, Dr. Pavelsky, or Ms. Arriola in the course of the work will be shared with other researchers upon reasonable request and within a reasonable time of the request.

Re-use and Redistribution:

Public access to research products will be regulated by the University of North Carolina - Chapel Hill through the Carolina Digital Repository to protect any proprietary or intellectual property rights. Legal offices will be consulted on a case-by-case basis to address any concerns, if necessary. Terms of use will include proper attribution to the PI and authors. Research products will be made available immediately after publication.