

DATA MANAGEMENT PLAN

1. Field Data

Data and metadata collected through this project will be published in a timely fashion through the Biological and Chemical Oceanography Data Management Office (BCO-DMO) located at the Woods Hole Oceanographic Institution (WHOI), compliant with the requirements of the Division of Ocean Sciences Data and Sample Policy.

Two short cruises will be conducted in spring and summer 2018 outside the Brazos River on the R/V *Trident* of the Texas A&M University. During the research cruises, we will collect sediment cores and water samples to investigate the effects of Hurricane Harvey on sediment deposition. We will utilize the pre-cruise planning of sampling strategies and the BCO-DMO guidance on best practices for cruise data management (e.g., generation of cruise reports and sampling event logs). Pre-planning for cruises will be done via teleconferencing and PI planning meetings. Detailed plans for cruise track, instrument deployment, water sampling strategy, water sample allocation, and onboard experiments will be written up as a science implementation plan. The actual sampling events will be recorded on paper logs (scanned into PDF documents) and in a digital event log. Data collected from NICP laboratory experiments will also be stored electronically and in hardcopies. All electronic data acquired from shipboard instrumentation (ADCP, CTD and attached sensors) will be stored in the ship's onboard computer system and on at least two PCs of the scientific party with daily backup on USB flash-drives.

Metadata and data generated by the project will be submitted in a timely fashion to the BCO-DMO which will assist with quality control and documentation before making the data sets available online (<http://bco-dmo.org/data/>). BCO-DMO will also archive project data at the appropriate national data facilities.