

Qualifications Summary

- Proficient with several instruments to determine sediment grain-size.
- Proficient with methods to determine sediment accumulation rates based on radionuclide inventories.
- Proficient in water sample filtration for suspended sediment concentration.
- Microsoft Office (Word, Excel, PowerPoint) and SigmaPlot.
- Experience with Adobe Illustrator, Adobe Photoshop, ArcGIS and Surfer 8 (Golden Software).

DACK G. STUART, M.S., B.S.

Coastal Scientist

Fields of Expertise

Coastal oceanography, geological oceanography, and environmental science relating to wetlands. Sample collection and laboratory work related to salt marsh/estuarine sediments and large-volume sea water filtration. Field measurements relating to wetland delineation and wetland permitting.

Higher Education

M.S. Marine Studies, University of Delaware (2010)

B.S. Oceanography, University of Michigan (2008)

Employment History

2011-Present Coastal Scientist, Woods Hole Group, Inc.
2011 Marine Sediment Laboratory Technician, University of Delaware
2008-2010 Graduate student/Research Assistant, University of Delaware
Summer 2007 Laboratory Assistant, University of Michigan

Key Projects

Newark Bay, New Jersey, 2008-2009

Mapping bottom topography using side-scan sonar, sediment vibracore collection to determine sediment accumulation rates.

Sea Breeze, New Jersey, 2008

Salt marsh sediment core collection to be used for downcore ecological investigations and determination of sediment accumulation rates.

Murderkill River Estuary, Delaware, 2008-2009

Salt marsh sediment core collection for determination of sediment accumulation rates. Project was designed to examine the sedimentological effects of historic mosquito ditching on marsh sediment accretion in coastal systems.

Key Projects (continued)

Broadkill River Estuary, Delaware, 2009

Mapping bottom topography using side-scan sonar, water sample collection.

Delaware Bay, 2010-2011

Participated in five research cruises aboard the University of Delaware marine research vessel R/V Hugh R Sharp, sediment core collection, water sample filtration, instrument deployment/recovery.

Awards/Achievements

- Professional Development Award for Graduate Students 2010