

Site ID				14CTB - 450					
USGS Field Activity Number (FAN)		2014-322-FA (14CTB02)							
Date		26-Oct-14		Day of Year		299			
Field Crew		Julie Bernier, Marci Marot							
Platform		Over-Sand Vehicle		Location		Assateague Island, MD			
Arrival Time (EDT)		14:35		Departure Time (EDT)		15:03			
Latitude		38.24575		Longitude		-75.13412			
Water Depth (m)									
Handheld GPS used		Garmin GPSMap 76S		GPS Waypoint		063			
YSI				Camera		Nikon D5200			
Sample Type/Sample				X, Measure, Time		Sample Type/Sample		X, Measure, Time	
DGPS Positioning				Radium Sampling: Mn Fiber					
GPS Reciever Used		Z-Xtreme Rover A		Start Time					
GPS Session ID		A063		Stop Time					
Occupation Time (min)		5		Total Volume					
Surface/Grab				Water Quality Parameters					
Vegetation/Sediment Type		Sand + veg		Water Type (estuary, marsh, standing, marsh backfill)					
Pentrometer (marsh sites only)				Temperature (°C)					
Shear Strength (kg/cm ²) (marsh sites only)				Barometric Pressure (mm Hg)					
Forams (preserved, x2)		Yes		Dissolved Oxygen (DO) (%)					
Bulk Density/LOI		Yes		DO (mg/L)					
Grain Size		Yes		Specific Conductance (mS/cm)					
Stable Isotopes/Metals		Yes		Salinity					
Distance from GPS		20 cm		pH (-)					
Azimuth from GPS		E 110°		ORP (mV)					
Marsh Push Core: 4" Polycarbonate Barrel				Sand Gouge Core: AMS Sand/Loose Sediment Probe					
Vegetation Type				Barrel Length (cm)		60.96			
Pentrometer				ITGODS (bottom of weld ≈ top of barrel) (cm)		Full penetration			
Shear Strength (kg/cm ²)				Recovered Core Length (cm)		55, 38			
Barrel Length (cm)				Core Catcher Used?		No			
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)				Distance from GPS		20 cm			
In-the-Ground Outside Depth to Surface (ITGODS) (cm)				Azimuth from GPS		SE 120°			
Compaction (cm)									
Recovered Core Length (cm)									
Distance from GPS									
Azimuth from GPS									
Marsh Auger Core: Eijkelpamp Peat Sampler				Shovel (Dig) Core: AMS Sharpshooter Shovel					
Number of Sections				Recovered Depth (cm)					
Total Core Length (cm)				Distance from GPS					
Distance from GPS				Azimuth from GPS					
Azimuth from GPS									
Notes									
Sand and sparse vegetation (Panicum? and shrub/golden rod).									
Trench: water tableand wet sand ~ 50 cm.									
Prominent dark gray banding throughout.									
2x sand auger: 0-55 cm from surface; 58-96 cm from trench; no organics.									
Photos									
Nikon D5200: DSC_0345.JPG: site photo									
DSC_0346.JPG through DSC_0349.JPG: N --> E --> S --> W from site									
DSC_0350.JPG through DSC_0352.JPG: trench photos									