

Site ID				14CTB - 436					
USGS Field Activity Number (FAN)		2014-322-FA (14CTB02)							
Date		24-Oct-14		Day of Year		297			
Field Crew		Julie Bernier, Marci Marot							
Platform		Over-Sand Vehicle		Location		Assateague Island, MD			
Arrival Time (EDT)		13:38		Departure Time (EDT)		14:15			
Latitude		38.11282		Longitude		-75.18712			
Water Depth (m)									
Handheld GPS used		Garmin GPSMap 76S		GPS Waypoint		034			
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		A034		Stop Time					
Occupation Time (min)		5		Total Volume					
Surface/Grab				Water Quality Parameters					
Vegetation/Sediment Type		Wet sand		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		35 cm		pH (-)					
Azimuth from GPS		N 355°		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)		49			
Barrel Length (cm)				Core Catcher Used?		No			
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)				Distance from GPS		25 cm			
In-the-Ground Outside Depth to Surface (ITGODS) (cm)				Azimuth from GPS		N 010°			
Compaction (cm)									
Recovered Core Length (cm)									
Distance from GPS									
Azimuth from GPS									
Marsh Auger Core: Eijkelkamp 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									
Overwash fan - wet sand with sparse vegetation.									
Trench: water table and backfill at 19 cm.									
Dark gray sand horizon at 13 cm overlaid by ~ rooted rusty *coarse* sand									
Sample 14CTB-436-T1 from coarse sand.									
Backfill 5 ppt salinity.									
Sand auger: recovered black organics at base; plug in auger tip is rooted sand.									
Photos									
Nikon D5200: DSC_0148.JPG: site photo									
DSC_0149.JPG through DSC_0152.JPG: N --> E --> S --> W from site									
DSC_0153.JPG and DSC_0154.JPG: trench photos									