

Site ID14CTB - 446			
USGS Field Activity Number (FAN)		2014-322-FA (14CTB02)	
Date	22-Oct-14	Day of Year	295
Field Crew		Julie Bernier, Marci Marot, Alisha Ellis, Cathryn Wheaton	
Platform	Over-Sand Vehicle	Location	Assateague Island, MD
Arrival Time (EDT)	11:55	Departure Time (EDT)	12:25
Latitude	38.24467	Longitude	-75.1355
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	014
YSI		Camera	Canon A63, Nikon D5200
Sample Type/SampleX, Measure, Time		Sample Type/SampleX, Measure, Time	
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	Z-Xtreme Rover A	Start Time	
GPS Session ID	A014	Stop Time	
Occupation Time (min)	5	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	Sand	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (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	25 cm	pH (-)	
Azimuth from GPS	SW 230°	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/cm²)		Recovered Core Length (cm)	37
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	10 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	Not recorded
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			
15.8 m from site to toe of overwash deposit and transition to back-barrier Spartina + Juncus marsh.			
Overwash fan extends between/bordered by shrub/trees and Phragmites stands.			
Sand auger: Sand - "marsh" contact recovered.			
Trench: water table ~ 25 cm from surface; trench backfilling with water.			
0-13 cm: sand; 13-16 cm: rooted horizon with orange iron staining; 16-22 cm: gradational transition to dark gray-black sand below 22 cm.			
22 cm: contact with underlying black (organic? heavy mineral?) sand and roots.			
Sample 14CTB-446-T0			
Photos			
Canon A630: IMG_0190.JPG and IMG_0191.JPG: SW 230° from site to toe of overwash deposit			
IMG_0192.JPG: NE 050° from site along overwash deposit			
IMG_0193.JPG: NE 050° from toe			
IMG_0194.JPG: NNE across marsh from toe			
Nikon D5200: DSC_0031.JPG through DSC_0039.JPG: trench and site photos			
DSC_0040.JPG through DSC_0046.JPG: N --> E --> S --> W from site			