

Site ID14CTB - 393			
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)	11:17	Departure Time (EDT)	11:45
Latitude	38.24456	Longitude	-75.13504
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	013
YSI		Camera	Canon A63, 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	A013	Stop Time	
Occupation Time (min)	5	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	Spartina/dune grass (?)	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	50 cm	pH (-)	
Azimuth from GPS	SW 210°	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)	41
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	15 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	N 000°
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			
Overwash fan is heavily vegetated.			
Trench: Water table ~ 64 cm below surface.			
13 cm from surface to darker brown sandy layer*; above and below this is lighter sand with darker heavy mineral/organics banding.			
Roots from surface vegetation present in trench wall.			
Darker gray (heavy minerals?) sandy layer ~ 5 cm below water table.			
Sample 14CTB-393-T1 sand with heavy minerals, ~ 65 cm			
*Sand auger: blue marker highlights layer above brown sand. Interbedded sand and heavy minerals above this is event layer?			
No sand/peat contact in trench or sand auger.			
Photos			
Canon A630: IMG_0184.JPG through IMG_0187.JPG: N --> E --> S --> W from site			
IMG_0188.JPG: site photo			
IMG_0189.JPG: site vegetation			
Nikon D5200: DSC_0016.JPG thorough DSC0030.JPG: trench and site photos			