Site ID	14CTB - 447		
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)	10:08	Departure Time (EDT)	10:50
Latitude	38.24437	Longitude	-75.13441
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	A012	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/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	10 cm	pH (-)	
Azimuth from GPS	S 195°	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)	34
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	SE 210°
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 has become significantly vegetated since spring 2014. GPR transects may be difficult.
Trench: Hit water tables ~ 84 cm from surface; trenching filling. Root "mat" at ~ 24 cm from surface. Layering visible throughout.
Samples 14CTB-447 basal - peat* (btm); 14CTB-447 basal - sand (top)
*Peat collected from base of trench but not visible in sidewall.
Base of trench ~ 1.0 from surface; sidewall collapse and trench filling with water.

Photos
Canon A630: IMG_0176.JPG through IMG_0183.JPG: panorama N --> E --> S from site showing dune vegetation and hummocky overwash
Nikon D5200: DSC_0002.JPG through DSC_0015.JPG: trench and site photos