Site ID	14CTB - 459		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02)		
Date	25-Oct-14	Day of Year	298
Field Crew	Julie Bernier, Marci Marot		
Platform	Over-Sand Vehicle	Location	Assateague Island, MD
Arrival Time (EDT)	15:43	Departure Time (EDT)	16:20
Latitude	38.24798	Longitude	-75.13278
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	054
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	A054	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/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	25 cm	pH (-)	
Azimuth from GPS	E 100°	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)	58
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	40 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	E 080°
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
Bare sand between sparsely vegetated patches, ~ 40 m east of Phragmites / woody scrub vegetation line.
Trench: no water table or organics.
Top 1-2 cm: diffuse gray layer immediately below aeolian surface sediments.
~ 19 cm - distinct, continuous dark gray lamination visible in all 4 trench walls.
29-53 cm: irregular, wavy dark gray bands.
~ 53 cm - distinct dark layer.
Sand auger: 0-58 cm from surface; banding evident in core comparable to trench.

Photos
Nikon D5200: DSC_0274.JPG: site photo
DSC_0275.JPG through DSC_0278.JPG: N --> E --> S --> W from site
DSC_0279.JPG through DSC_0283.JPG: trench photos