Site ID	**14CTB - 442**		
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)	10:36	Departure Time (EDT)	11:08
Latitude	38.11142	Longitude	-75.18816
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	025
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	A025	Stop Time	
Occupation Time (min)	5	Total Volume	
Surface/Grab		***Water Quality Parameters***	
Vegetation/Sediment Type	Sand + veg	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	20 cm	pH (-)	
Azimuth from GPS	NE 035°	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)	45, 35
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	35 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
Toe of overwash fan; sand and vegetation (golden rod, scrub).
~ 30 m from site 443 (in marsh/scrub vegetation).
Trench: irregular dark (heavy minerals?) banding throughout; especially prominent from 17-40 cm depth.
Banding is highly irregular depending on which trench wall.
Water table ~ 60 cm depth; backfill.
2x sand auger: 0-45 cm from surface shows good layering; 60-95 cm from trench.
Second auger penetrated dark gray sand at bottom of core, refusal --> does this overly organic contact?

Photos
Nikon D5200: DSC_0097.JPG: site photo from veg line
DSC_0098.JPG and DSC_0099.JPG: trench photos
DSC_0100.JPG through DSC_0103.JPG: N --> E --> S --> W from site