Site ID	**14CTB - 434**		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02)		
Date	23-Oct-14	Day of Year	296
Field Crew	Julie Bernier, Marci Marot		
Platform	Over-Sand Vehicle	Location	Assateague Island, MD
Arrival Time (EDT)	16:36	Departure Time (EDT)	Not recorded
Latitude	38.11769	Longitude	-75.18536
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	023
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	A023	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	30 cm	pH (-)	
Azimuth from GPS	W 270°	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)	Not recorded
Shear Strength (kg/cm^2)		Recovered Core Length (cm)	Not recorded
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	WNW 300°
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
Target site on crest of vegetated dune: moved to bare earth in "depression"/low adjacent to dune.
(Last try from dune crest encountered hard pack and no organics - better chance of penetrating organics here.)
Trench: water from trench backfill 5 ppt salinity.
Layering visible in trench: thick dark gray layer from 21-23 cm, angled dark gray layer ~ 27 cm depth.
Wet sand contact ~ 34-35 cm.
Sand auger from surface failed: 2x attempt with < 10 cm recovery.
Sand auger from wet sand contact at 35 cm recovered organics.

Photos
Canon A630: IMG_225.JPG through IMG_228.JPG: N --> E --> S --> W from site
IMG_229.JPG: to target site
Nikon D5200: DSC_00000078.JPG: ~ W from veg line to site and GPR crew
DSC_0079.JPG: site photo
DSC_0080.JPG through DSC_0082.JPG: trench photos