

Site ID				14CTB - 425					
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)		16:32		Departure Time (EDT)		Not recorded			
Latitude		38.11777		Longitude		-75.18599			
Water Depth (m)									
Handheld GPS used		Garmin GPSMap 76S		GPS Waypoint		039			
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		A039		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		40 cm		pH (-)					
Azimuth from GPS		W 285°		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)		7			
Shear Strength (kg/cm ²)				Recovered Core Length (cm)		38			
Barrel Length (cm)				Core Catcher Used?		No			
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)				Distance from GPS		30 cm			
In-the-Ground Outside Depth to Surface (ITGODS) (cm)				Azimuth from GPS		W 285°			
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									
On overwash fan, sand and sparse vegetation/grass, in "depression;" thicker vegetation S and N adjacent to site.									
Trench: water table ~ 38 cm; trench quickly filling with water and collapsing.									
~ 32-34 cm buried grass, with recovery of roots by trowel ~ 4-5 cm (?) below this - all by digging through collapsing trench.									
Is this a single overwash deposit (Sandy)?									
No trench photos - collapsing too quickly.									
Sand auger: olive-brown organic-rich horizon 32-36 cm --> marsh surface?									
Photos									
Nikon D5200: DSC_0171: site photo									
DSC_0172.JPG: up-transcet towards site 434									
DSC_0173.JPG through DSC_0176.JPG: N --> E --> S --> W from site									