

Site ID				14CTB - 432			
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)		15:08		Departure Time (EDT)		Not recorded	
Latitude		38.11947		Longitude		-75.18435	
Water Depth (m)							
Handheld GPS used		Garmin GPSMap 76S		GPS Waypoint		020	
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		A020		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		SSE 160°		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)		36.5, 36.5	
Barrel Length (cm)				Core Catcher Used?		No	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)				Distance from GPS		15 cm	
In-the-Ground Outside Depth to Surface (ITGODS) (cm)				Azimuth from GPS		SE 150°	
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							
Bare sand in "depression"/low between vegetated dunes.							
Trench: wet sand at 42 cm; water table within 10 cm of wet sand; trench filled with water and total collapse.							
Last shovel hit a dark unit ~15 cm (?) below wet sand line.							
2x sand auger: 0-36.5 cm from surface, 36.5 cm from wet sand line (41-77.5 cm depth); second auger plugged in organics.							
Photos							
Canon A630: IMG_216.JPG through IMG_219.JPG: N --> E --> S --> W from site							
IMG_220.JPG: ENE from site, GPR track follows interdune depression							
Nikon D5200: DSC_0067.JPG: from veg line to site							
DSC_0068.JPG through DSC_0071.JPG: coring photos							