

Site ID				14CTB - 424, 14CTB - 469 (Field Replicates)			
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)		17:30		Departure Time (EDT)		17:50	
Latitude		38.11793		Longitude		-75.18655	
Water Depth (m)							
Handheld GPS used		Garmin GPSMap 76S		GPS Waypoint		041	
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		A041		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 (x4)		Dissolved Oxygen (DO) (%)			
Bulk Density/LOI		Yes (x2)		DO (mg/L)			
Grain Size		Yes (x2)		Specific Conductance (mS/cm)			
Stable Isotopes/Metals		Yes (x2)		Salinity			
Distance from GPS		35 cm		pH (-)			
Azimuth from GPS		N 015°		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)		9	
Shear Strength (kg/cm ²)				Recovered Core Length (cm)		37.5	
Barrel Length (cm)				Core Catcher Used?		No	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)				Distance from GPS		20 cm	
In-the-Ground Outside Depth to Surface (ITGODS) (cm)				Azimuth from GPS		N 015°	
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 near edge of overwash toe.							
DGPS site A042 immediately into adjacent marsh.							
Trench: sample 14CTB-424-T0: buried grasses ~ 23 cm over dark gray-black organics; same depth as in sand auger.							
Saturated at T0 contact and backfilling; backfill 5 ppt salinity.							
Sand auger: organic layer 23.5 - 26.5 cm.							
Photos							
Nikon D5200: DSC_0184.JPG: site photo							
DSC_0185.JPG through DSC_0188.JPG: N --> E --> S --> W from site							
DSC_0189.JPG: marsh site A042							
DSC_0190.JPG and DSC_0191.JPG: trench photos							