

Site ID14CTB - 438			
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)	12:08	Departure Time (EDT)	Not recorded
Latitude	38.11261	Longitude	-75.18881
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	028
YSI		Camera	Nikon D5200
Sample Type/SampleX, Measure, Time		Sample Type/SampleX, Measure, Time	
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	Z-Xtreme Rover A	Start Time	
GPS Session ID	A028	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/cm²) (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	SW 220°	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)	8
Shear Strength (kg/cm²)		Recovered Core Length (cm)	33.5
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	Not recorded
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			
Toe of overwash fan within ~ 2 m of Spartina (?) marsh edge; sandy with sparse vegetation.			
DGPS site A029 on marsh surface.			
Trench: depth to marsh surface and water table ~ 22 cm; trench infilling.			
Thick root mat with black sandy matrix.			
Sample 14CTB-438-T0 immediately above marsh surface.			
Salinity of trench backfill 14-15 ppt; salinity at emergent marsh surface 10 ppt.			
Photos			
Nikon D5200: DSC_0118.JPG and DSC_0119.JPG: site photos			
DSC_0120.JPG through DSC_0122.JPG: trench photos			
DSC_0123.JPG through DSC_0126.JPG: N --> E --> S --> W from site			
DSC_0127.JPG: overwash toe and marsh			