

Site ID14CTB - 427			
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)	15:52	Departure Time (EDT)	Not recorded
Latitude	38.11633	Longitude	-75.18618
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	038
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	A038	Stop Time	
Occupation Time (min)	5	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	Sand + veg	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	25 cm	pH (-)	
Azimuth from GPS	SE 145°	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/cm²)		Recovered Core Length (cm)	45, 40
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	Not recorded
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			
Sandy with sparse vegetation.			
Similar setting as site 428; there is an abrupt "drop" from this sandy suface to adjacent sandy with thicker vegetation.			
Sandy topsoil ends where buffered by woody scrub, and true marsh is another "step down" from toe.			
Trench: wet sand at 44 cm; water seepage at 49 cm.			
0-18 cm - dark gray laminae; below this less frequent gray laminae and a few root casts.			
Backfill salinity 5 ppt.			
2x sand auger: 0-45 cm from surface (no organics), 49-89 cm from water table.			
Second sand auger recovered organics (roots and brown sediment) but no true peat from 26-29 cm core depth (75-78 cm from surface).			
Photos			
Nikon D5200: DSC_0163.JPG amd DSC_0164.JPG: site photos			
DSC_0165.JPG through DSC_0168.JPG: N --> E --> S --> W from site			
DSC_0168.JPG: along overwash toe			
DSC_0169.JPG and DSC_0170.JPG: trench photos			