

Site ID14CTB - 453			
USGS Field Activity Number (FAN)		2014-322-FA (14CTB02)	
Date	26-Oct-14	Day of Year	299
Field Crew		Julie Bernier, Marci Marot	
Platform	Over-Sand Vehicle	Location	Assateague Island, MD
Arrival Time (EDT)	10:52	Departure Time (EDT)	Not recorded
Latitude	38.24697	Longitude	-75.13349
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	057
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	A057	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	10 cm	pH (-)	
Azimuth from GPS	E 080°	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)	59, 29
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	10 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	E 090°
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			
Gradual slope up from site 452/toe of overwash to site.			
Trench: water table ~ 45 cm; 5 ppt salinity.			
Dark gray banding is pretty continuous around trench walls (wet sand at base).			
2x sand auger: 0-59 cm from surface; 29-88 cm from trench.			
0-59 cm: dark gray banding throughout, sediment color becomes overall darker gray (wet?) ~ 28 cm.			
2 prominent dark gray layers 40~44 cm overlying thin (< 1 cm) brownish organic fragments			
Sand auger #2 (29-88 cm): dark gray banding 40~45 cm core depth - good correlation with auger #1.			
Brown organics at ~79 cm depth.			
Photos			
Nikon D5200: DSC_0300.JPG: site photo			
DSC_0301.JPG through DSC_0304.JPG: N --> E --> S --> W from site			
DSC_0305.JPG and DSC_0306.JPG: trench photos to ~ 30 cm			
DSC_0307.JPG and DSC_0308.JPG: coring			