

Site ID14CTB - 439			
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)	12:40	Departure Time (EDT)	Not recorded
Latitude	38.11305	Longitude	-75.18859
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	030
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	A030	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	15 cm	pH (-)	
Azimuth from GPS	W 275°	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)	7
Shear Strength (kg/cm²)		Recovered Core Length (cm)	36.5
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	25 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	W 275°
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 adjacent to Spartina (?) marsh.			
DGPS site A031 in marsh ~ 2 m from toe of overwash fan; very thick marsh grass/vegetation.			
Trench: 19 cm - rooted sand; 28 cm - black marsh deposit.			
Sand above marsh surface is variably black or "rusty."			
Water table ~ 20 cm; infilling and sidewall collapse.			
Backfill salinity 5 ppt. (Emergent marsh surface salinity not recorded.0			
Sand auger: punched through peat from 20-24 cm into underlying sand.			
Photos			
Nikon D5200: DSC_0128.JPG and DSC_0129.JPG: site photos			
DSC_0130.JPG through DSC_0133.JPG: N --> E --> S --> W from site			
DSC_0134.JPG through DSC_0137.JPG: trench photos			
DC_0138.JPG: across marsh to DGPS site A031			