

Site ID14CTB - 326			
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)	9:54	Departure Time (EDT)	Not recorded
Latitude	38.10990	Longitude	-75.18871
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	024
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	A024	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	S 190°	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)	45.5
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	SW 210°
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 in depression/low on overwash fan between vegetated areas;surface is still very wet.			
Trench: water tavle ~ 17 cm; salinity 5 ppt.			
2x trench 20 cm + ~ 1.5 m S 190° from DGPS; farther trench was "test" hole but shows better layering.			
2-5 cm from surface (both trenches): gray sandy layer/laminae.			
2nd trench has 2 rusty layers above and below gray sand --> so these seem to be highly variable in distribution.			
Did not penetrate organics in trench (backfill and collapse).			
Sand auger: punched through black sand (32 cm) and peat (38-40 cm) into underlying sand below 30 cm from surface.			
Highly variable elevation on fan surface - reoccupied site 026 from March trip, but auger and trench from a different location would likely suggest signigificantly thicker overwash above organics.			
Photos			
Nikon D5200: DSC_0083.JPG: site photo			
DSC_0084.JPG through DSC_0092.JPG: coring and trench photos			
DSC_0093.JPG through DSC_0096.JPG: N --> E --> S --> W from site			