

Site ID14CTB - 461			
USGS Field Activity Number (FAN)		2014-322-FA (14CTB02)	
Date	25-Oct-14	Day of Year	298
Field Crew		Julie Bernier, Marci Marot	
Platform	Over-Sand Vehicle	Location	Assateague Island, MD
Arrival Time (EDT)	10:21	Departure Time (EDT)	Not recorded
Latitude	38.24910	Longitude	-75.13314
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	044
YSI		Camera	Nikon D5200
Sample Type/Sample		X, Measure, Time	Sample Type/Sample
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	Z-Xtreme Rover A	Start Time	
GPS Session ID	A044	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	S 170°	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)	Not recorded
Shear Strength (kg/cm²)		Recovered Core Length (cm)	50
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	15 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	S 180°
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			
Wet sand at "toe" (?) of overwash; site is on bare wet sand at marsh edge.			
Thin strip of marsh bayward of site, but sandy soil with standing water, not black organic-rich substrate; Spartina and Panicum (?).			
Marsh surface water salinity 32 ppt.			
Sandy deposits extend all the way to the bay in places, and there is an ~ 20-25 m long berm at bayside with > 10 cm relief above the adjacent marsh.			
Discontinuous sand sandy berm deposits occur along the bayside shoreline.			
Some Juncus marsh to the south bordering Phragmites (?) and woody shrub/scrub.			
Overwash fan is again funnelled between shrub/forested areas to N and S; trees are fringed by Juncus marsh ~ 10 m wide.			
Does this area regularly "overwash" but not enough to bury vegetation? "Marsh" surface is all sand.			
Bayside berm is eroded / "cliffed" on marsh side --> is this getting overwsh/flow from storms?			
Trench: organic (dark sandy with roots) layer and water table at ~ 22-23 cm; backfill 6 ppt salinity.			
Sample 14CTB-461-T0 (20-21 cm)			
Sand auger: 0-50 cm; 17~26 cm dark gray-black sand with some root/plant fragments from 26~28 cm.			
37 cm relatively sharp contact with underlying dark gray sand.			
Photos			
Nikon D5200: DSC_0201.JPG: site photo			
DSC_0202.JPG and DSC_0203.JPG: bayside berm			
DSC_0204.JPG: from bayside marsh; site is in upper right corner			
DSC_0205.JPG through DSC_0298.JPG: N --> E --> S --> W from site			
DSC_0209.JPG and DSC_0210.JPG: trench photos			