

Site ID14CTB - 433			
USGS Field Activity Number (FAN)		2014-322-FA (14CTB02)	
Date	23-Oct-14	Day of Year	296
Field Crew		Julie Bernier, Marci Marot	
Platform	Over-Sand Vehicle	Location	Assateague Island, MD
Arrival Time (EDT)	15:41	Departure Time (EDT)	Not recorded
Latitude	38.11859	Longitude	-75.18491
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	021
YSI		Camera	Canon A63, Nikon D5200
Sample Type/Sample		X, Measure, Time	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	A021	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	35 cm	pH (-)	
Azimuth from GPS	S 185°	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)	51
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	S 190°
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 between vegetated dunes.			
DGPS site A022 at veg line along overwash			
From site to end of GPR track ~ 50 m SW: sparse to dense vegetation (Panicum (?) and golden rod).			
~ 50 m beyond end of GPR track is scrub line; do these small trees/scrub "baffle" water and waves and act a barrier to overwash?			
Although heavily vegetated to scrub line, very sandy soil, even digging down below surface.			
First apparent "marsh" is ~100-150 m (estimated) beyond scrub line.			
Trench: several dark gray laminae; prominent lower lamination in photos is ~ 25 cm depth			
Wet/saturated sediment at 28-29 cm; trench backfilling with water.			
Salinity of backfill 5 ppt (M. Marot refractometer).			
Shoveled light gray sand from below ~30-35 cm but no cohesion of trench walls; no organics in trench.			
Sand auger: 0-51 cm, plugged in ~ black organic layer.			
Photos			
Canon A630: IMG_221.JPG through IMG_224.JPG: N --> E --> S --> W from site; IMG_224.JPG is along GPR track			
Nikon D5200: DSC_000072.JPG: ~ W from veg line to site			
DSC_0073.JPG and DSC_0074.JPG: ~ W from site to scrub line			
DSC_0075.JPG through DSC_0077.JPG: trench photos			