

Site ID14CTB - 429			
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)	12:12	Departure Time (EDT)	Not recorded
Latitude	38.12077	Longitude	-75.18491
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	015
YSI		Camera	Canon A63, 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	A015	Stop Time	
Occupation Time (min)	5	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	Sand and veg	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	25 cm	pH (-)	
Azimuth from GPS	W 250°	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)	9.5
Shear Strength (kg/cm²)		Recovered Core Length (cm)	38
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	40 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			
At toe of overwash fan. Sandy, with sparse vegetation - Panicum (?) and goldenrod.			
DGPS site A016 off edge in marsh.			
Trench: ~ 8 cm from surface to "rusty" organic layer*; 12 cm from surface color change tan to gray; 25 cm from surface organic marsh sediments			
Trench infills with water and collapses as soon exposed.			
Sample 14CTB-429-T0: sand above organic contact.			
14CTB-429-T1: sand immediately above "rusty" layer.			
*"Rusty" layer appears to be roots of the surface vegetation - overwash and regrowth or recolonization ahd roots growing down?			
"Rusty" layer is variable depth from surface in nearby "test" trenches.			
Sand auger: organic contact penetrated.			
Photos			
Canon A630: ING_0195.JPG through IMG_0198.JPG: N --> E --> S --> W from site			
IMG_0199.JPG: approximately W to toe of fan from site			
Nikon D5200: DSC_0047.JPG through DSC_0052.JPG: trench photos			