

Site ID14CTB - 328			
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)	17:04	Departure Time (EDT)	Not recorded
Latitude	38.11801	Longitude	-75.18618
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	040
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	A040	Stop Time	
Occupation Time (min)	5	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	Sand + 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	40 cm	pH (-)	
Azimuth from GPS	W 270°	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)	40
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	Not recorded
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	Not recorded
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			
Sandy, wet, with thin vegetation (grassy and shrub).			
Trench: wet/fluid sand at ~ 25 cm.			
Hit dark gray organic layer, filling with water and collapsing as fast as we dig.			
Backfill salinity 5 ppt.			
Sample 14CTB-328-To (approximate - hard to maintain contact with backfill and collapse).			
Organic layer is fibrous root mat with dark to black sandy mud matrix ~ 5-6 cm thick based on excavated material - good agreement with sand auger.			
Sand auger: sand --> black sand at 23 cm, peaty organics from 26-30 cm into underlying sand.			
Photos			
Nikon D5200: DSC_0177: site photo			
DSC_0178.JPG through DSC_0181.JPG: N --> E --> S --> W from site			
DSC_0182.JPG and DSC_0183.JPG: trench photos			