

Site ID14CTB - 464			
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)	12:38	Departure Time (EDT)	13:10
Latitude	38.24977	Longitude	-75.13205
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	050
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	A050	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	20 cm	pH (-)	
Azimuth from GPS	NE 060°	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)	49, 35
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	10 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	E 070°
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			
Target is on elevated dune; relocated to lower elevation to try to get good penetration.			
Bare sand and dune grass (Panicum?).			
Trench: dark gray banding, water table at ~ 50 cm.			
Backfill salinity 5 ppt.			
2x sand auger: 0-49 cm from surface, banding, no organics, saturated at bottom of core.			
53-88 cm from water table, no organics.			
Photos			
Nikon D5200: DSC_0234.JPG: site photo			
DSC_0235.JPG: to target site on adjacent dune			
DSC_0236.JPG through DSC_0239.JPG: N --> E --> S --> W from site			
DSC_0240.JPG through DSC_0242.JPG: trench photos			