

Site ID14CTB - 451			
USGS Field Activity Number (FAN)		2014-322-FA (14CTB02)	
Date	26-Oct-14	Day of Year	299
Field Crew		Julie Bernier, Marci Marot	
Platform	Over-Sand Vehicle	Location	Assateague Island, MD
Arrival Time (EDT)	14:04	Departure Time (EDT)	Not recorded
Latitude	38.24584	Longitude	-75.13441
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	062
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	A062	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	25 cm	pH (-)	
Azimuth from GPS	NW 310°	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)	57, 55
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	NW 330°
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			
Sand and vegetation - Panicum? and shrub.			
Trench: water table ~ 41 cm; backfill 5 ppt.			
2 prominent dark gray bands between 25~34 cm - good correlation with sand auger.			
2x sand auger: 0-57 cm from surface (no organics); 47-102 cm from trench.			
Plugged organics bottom ~ 4 cm.			
Photos			
Nikon D5200: DSC_0337.JPG: site photo			
DSC_0338.JPG through DSC_0341.JPG: N --> E --> S --> W from site			
DSC_0342.JPG: along "inlet" adjacent to site 395			
DSC_0343.JPG and DSC_0344.JPG: trench photos			