

Site ID14CTB - 463			
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)	11:55	Departure Time (EDT)	Not recorded
Latitude	38.25005	Longitude	-75.13259
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	048
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	A048	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	25 cm	pH (-)	
Azimuth from GPS	NW 330°	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)	0
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			
Toe/edge of overwash; Juncus marsh and woody scrub/trees ~ 25-35 m north of site, with significant drop from overwash edge to marsh surface.			
DGPS site A049 from Juncus marsh.			
Trench: 15 cm - contact with dark gray sand; 22 cm - water table, backfill and trench collapse.			
Trench is burping as it backfills - methane gas?; backfill salinity 5-6 ppt.			
Buried vegetation in dark gray layer (partial decay but still some green) --> appears to be the same as grasses fringing Juncus marsh.			
Sample 14CTB-463-T (20-21 cm).			
No sand auger collected here: 5x full penetration with no recovery.			
Photos			
Nikon D5200: DSC_0225.JPG: site photo			
DSC_0226.JPG through DSC_0229.JPG: N --> E --> S --> W from site			
DSC_0230.JPG and DSC_0231.JPG: trench photos			
DSC_0232.JPG and DSC_0233.JPG: live compared with buried vegetation			