

Site ID14CTB - 428			
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)	15:03	Departure Time (EDT)	15:45
Latitude	38.11538	Longitude	-75.18672
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	035
YSI		Camera	Nikon D5200
Sample Type/Sample		X, Measure, Time	Sample Type/Sample
X, Measure, Time			
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	Z-Xtreme Rover A	Start Time	
GPS Session ID	A035	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	35 cm	pH (-)	
Azimuth from GPS	S 180°	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)	44, 37
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 200°
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 sparse veg, including scrub/shrub.			
As we saw yesterday, sandy vegetated beyond toe of bare earth overwash. ~ 10 m from site edge of toe then flat sandy vegetated.			
DGPS site A036 from sandy vegetated beyone bare sandy overwash.			
DGPS site A037 at true marsh edge. Marsh surface water 6 ppt salinty.			
Trees/woody scrub to either side of fan --> abrupt sand contact at tree line; "extended" toe funnels between treelines out toward marsh.			
Trench: wet sand at 58 cm but no water table.			
Sediment is more uniform or massive than at other sites to visible eye.			
2x sand auger: 0-44 cm from surface, 58-95 cm from wet sand; no organics.			
Photos			
Nikon D5200: DSC_0155.JPG amd DSC_0156.JPG: site photos			
DSC_0157.JPG: from site to DGPS site A036			
DSC_0158.JPG through DSC_0160.JPG: panorama SW --> W --> NW of overwsh toe			
DSC_161.JPG and DSC_0162.JPG: trench photos			