

Site ID14CTB - 395			
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)	12:50	Departure Time (EDT)	Not recorded
Latitude	38.24599	Longitude	-75.13490
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	059
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	A059	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 300°	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)	10
Shear Strength (kg/cm²)		Recovered Core Length (cm)	29.5
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	NW 300°
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 of overwash fan extends ~ all the way to bay, immediately adjacent to Juncus marsh at edge of woody scrub.			
Prominent sand berm at bayside shoreline, with tidal "inlet" adjacent to site; "inlet" salinity 33 ppt.			
Fringing Juncus marsh transitions to thin strip 35~50 m wide of Spartina (?) marsh.			
Trench: 25 cm to topof dark gray sand; marsh surface 38~39 cm depth; backfill salinity 8-9 ppt.			
Sample 14CTB-395-T0: 37-38 cm.			
Sand auger: 29.5 cm from surface; penetrated marsh plus sample from core tip (~ 4 cm organics bototm of core plus plug).			
Site 395A: lower sand deposit from site 395 (DGPS site A0060).			
Trench 395A: ~ 60 cm E 110° from A060; marsh surface at 18 cm; backfill 11 ppt salinity.			
Sample 14CTB-395A-T0: 17-18 cm.			
Sand auger 395A: 29 cm from surface; ~ 30 cm E 110° from A060.			
Gradational organic contact ~ 14-15 cm from surface.			
DGPS site A061 from marsh surface - return for marsh core if time permits.			
Photos			
Nikon D5200: DSC_0320.JPG and DSC_0321: site photos			
DSC_022.JPG through DSC_0325.JPG: N --> E --> S --> W from site			
DSC_0326.JPG through DSC_0330.JPG: bayside sand berm and breach/inlet			
DSC_0331.JPG: site 395A			
DSC_0332.JPG and DSC_0333.JPG: trench photos site 395A			
DSC_0334.JPG through DSC_0336.JPG: trench photos site 395			