

Site ID14CTB - 460			
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)	9:44	Departure Time (EDT)	Not recorded
Latitude	38.24588	Longitude	-75.13227
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	043
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	A043	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	20 cm	pH (-)	
Azimuth from GPS	SE 150°	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)	54, 47
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	20 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	S 160°
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 with very sparse grassy vegetation bayward of vegetated dunes.			
Surface sediment is coarser grained than seen at previous sites, with large broken and whole shells.			
Trench: 16 cm - prominent dark gray layer (heavy minerals) ~ 2 cm thick.			
Hit water table below ~ 36 cm; backfill 5 ppt salinity.			
Hit organics/roots with shovel but cannot tell depth because of infill and trench collapse - buried dune vegetation? (No organics in sand auger to 85 cm depth.)			
2x sand auger: 54 cm from surface; 38-85 cm (47 cm core length) from ~ water table.			
0-3 cm - very coarse sand; dark gray banding below ~ 30 cm; no organics recovered.			
Photos			
Nikon D5200: DSC_0192.JPG and DSC_0193.JPG: site photos			
DSC_0194.JPG through DSC_0197.JPG: N --> E --> S --> W from site			
DSC_0198.JPG through DSC_0200.JPG: trench photos			