

Site ID14CTB - 454			
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)	11:30	Departure Time (EDT)	Not recorded
Latitude	38.24681	Longitude	-75.13290
Water Depth (m)			
Handheld GPS used	Garmin GPSMap 76S	GPS Waypoint	058
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	A058	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	NE 070°	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)	52, 49
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	35 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	E 110°
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			
Bare sand in "depression" between vegeated (Panicum?) dunes, up-slope from site 453 but not much elevation difference.			
Surface lag has some very coarse and shelly material and wind ripples.			
Trench: very wet sand at ~ 46 cm.			
9.5~12 cm thinner prominent double bands.			
25 cm to top of prominent set of dark gray-black banding.			
2x sand auger: 0-52 cm from surface - no organics.			
46-95 cm from trench: darker layer from 59~76 cm.			
Photos			
Nikon D5200: DSC_0309.JPG: site photo			
DSC_0310.JPG through DSC_0312.JPG: surface lag and wind ripples; DSC0312.JPG shows transition to finer aeolian sand trapped against dune vegetation			
DSC_0313.JPG through DSC_0316.JPG: N --> E --> S --> W from site			
DSC_0317.JPG and DSC_0319.JPG: trench photos to ~ 30 cm			