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|---|--|----------------------------|--|---|--|-----------------------|--|------------------|--|
| Site ID | | | | 14CTB - 309 | | | | | |
| 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) | | 11:33 | | Departure Time (EDT) | | Not recorded | | | |
| Latitude | | 38.11246 | | Longitude | | -75.18793 | | | |
| Water Depth (m) | | | | | | | | | |
| Handheld GPS used | | Garmin GPSMap 76S | | GPS Waypoint | | 026 | | | |
| 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 | | A026 | | 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/cm ²) (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 | | S 170° | | 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/cm ²) | | | | Recovered Core Length (cm) | | 44 | | | |
| 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 190° | | | |
| 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 | | | | | | | | | |
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| Notes | | | | | | | | | |
| On overwash fan - sand and sparse vegetation. | | | | | | | | | |
| Overwashfan is vey low here, with evidence nearby of water flow and scour during storm on Wednesday. | | | | | | | | | |
| DGPS site A027 from scour channel. | | | | | | | | | |
| Trench: water table ~ 42 cm. | | | | | | | | | |
| Banding in trench --> winnowing of surface sediments? | | | | | | | | | |
| No peat/organics in trench wall, but last shovels as water was infilling excavated black sand similar to core. | | | | | | | | | |
| Sand auger: plugged in organics. 44 cm from surface plus peaty sample from auger tip (44-45 cm?) | | | | | | | | | |
| | | | | | | | | | |
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| Photos | | | | | | | | | |
| Nikon D5200: DSC_0104.JPG: site photo | | | | | | | | | |
| DSC_0105.JPG through DSC_0108.JPG: N --> E --> S --> W from site | | | | | | | | | |
| DSC_0109.JPG through DSC_0111.JPG: trench photos | | | | | | | | | |
| DESC_0112.JPG through DSC_0117.JPG: scour and sediment from last storm. DSC_0117.JPG ~ E to "gap" between dunes | | | | | | | | | |
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