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|---|-------------------|---|-----------------------|
| Site ID14CTB - 458 | | | |
| 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) | 15:02 | Departure Time (EDT) | Not recorded |
| Latitude | 38.24787 | Longitude | -75.13243 |
| Water Depth (m) | | | |
| Handheld GPS used | Garmin GPSMap 76S | GPS Waypoint | 053 |
| 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 | A053 | 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 | 10 cm | pH (-) | |
| Azimuth from GPS | WNW 305° | 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) | 58 |
| Barrel Length (cm) | | Core Catcher Used? | No |
| In-the-Ground Inside Depth to Surface (ITGIDS) (cm) | | Distance from GPS | 10 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 | | | |
| | | | |
| Notes | | | |
| On alongshore GPR transecgt ~ same elevation as site 466; no sand auger. | | | |
| On elevated, sparsely vegetated dune. | | | |
| Trench: 16-22 cm - distinctive dark gray-black layer* is continuous - is this important?! | | | |
| ~ 34 cm - dark gray banding like at other sites. | | | |
| 53 cm to bottom of trench; no water/wet sand. | | | |
| Sample 14CTB-458-T1: 22-23 cm depth, below gray sand layer. | | | |
| 14CTB-458-T2: 17-18 cm depth, ~ middle of sand layer. | | | |
| 14CTB-458-T3: 14-15 cm depth, above sand layer. | | | |
| Sand auger: 0-58 cm from surface, ~ 35 cm from trench site. | | | |
| *Layer is also visible at ~ same depth in sand auger. | | | |
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| Photos | | | |
| Nikon D5200: DSC_0252.JPG: site photo from vegetation line ~ 35 m east of site | | | |
| DSC_0253.JPG through DSC_0256.JPG: N --> E --> S --> W from site | | | |
| DSC_0257.JPG through DSC_0273.JPG: trench photos | | | |
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