

| Site ID   |  |                        |  | 14BRN-30 (Estuarine Grab) |  |
|---|--|------------------------|--|---------------------------|--|
| Date  | May 14, 2014                           |                        |  |                           |  |
| USGS Field Activity Number (FAN)  | 2014-310-FA (14BRN)                    |                        |  |                           |  |
| Field Crew  | Chris Smith, Marci Marot, Alisha Ellis |                        |  |                           |  |
| Platform  | RUMFS RV <i>Caleta</i>                 |                        |  |                           |  |
| Arrival Time (EDT)  | 11:00 AM                               | Departure Time (EDT)   | 11:10 AM                                     |                           |  |
| Latitude (DD)   | 39.75028                               | Longitude (DD)         | -74.17837                                    |                           |  |
| Water Depth (m)   | 2.3 (7.5 ft)                           |                        |  |                           |  |
| Handheld GPS used   | Garmin GPSMap 62stc                    | GPS Waypoint           | 60   |                           |  |
| YSI   | Pro-Plus                               | Camera                 | Nikon AW100                                  |                           |  |
| <b>Sample Type/Sample Info</b>  |  |                        |  |                           |  |
| <b>Box Core: USGS SPCMSC 30cm x 45cm Box Corer</b>  |  |                        | <b>Surface/Grab: USGS SPCMSC Petit PONAR</b> |                           |  |
| Number of Attempts for Full Recovery  |  | Forams (preserved, x2) | x  |                           |  |
| Photo #s of Sediment Surface  |  | Grain Size             | x  |                           |  |
| 6" OD Barrel Length (cm)  |  | Stable Isotopes/Metals | x  |                           |  |
| In-the-Ground Inside Depth to Surface (ITGIDS, cm)  |  |                        |  |                           |  |
| In-the-Ground Outside Depth to Surface (ITGODS, cm)   |  |                        |  |                           |  |
| 6" OD Core Compaction (cm)  |  |                        |  |                           |  |
| Recovered 6" OD Core Length (cm)  |  |                        |  |                           |  |
| 3" OD Core Compaction (cm)  |  |                        |  |                           |  |
| Recovered 3" OD Core Length (cm)  |  |                        |  |                           |  |
| Surface Forams (preserved, x2)  |  |                        |  |                           |  |
| Surface Grain Size  |  |                        |  |                           |  |
| Surface Stable Isotopes/Metals  |  |                        |  |                           |  |
|   |  |                        |  |                           |  |
| <b>Water Quality Parameters: YSI</b>  |  |                        |  |                           |  |
| Water Type  | Estuarine                              |                        |  |                           |  |
| Temperature (°C)  | 17.7                                   |                        |  |                           |  |
| Barometric Pressure (mmHg)  | 770.8                                  |                        |  |                           |  |
| Dissolved Oxygen (DO) (%)   | 55.0                                   |                        |  |                           |  |
| DO (mg/L)   | 4.44                                   |                        |  |                           |  |
| Specific Conductance (mS/cm)  | 41.04                                  |                        |  |                           |  |
| Salinity  | 26.33                                  |                        |  |                           |  |
| pH  | 7.81                                   |                        |  |                           |  |
| pH (mV)   | -80.8                                  |                        |  |                           |  |
| ORP (mV)  | 169.4                                  |                        |  |                           |  |
|   |  |                        |  |                           |  |
|   |  |                        |  |                           |  |
| <b>Notes</b>  |  |                        |  |                           |  |
| <p><b>**NEW SITE**</b> half way between 14BRN-12 and 14BRN-10.</p> <p>Sediment type: silty sand</p> |  |                        |  |                           |  |
| <b>Photos</b>   |  |                        |  |                           |  |
| <p>PONAR grab: 1272-1279</p>  |  |                        |  |                           |  |