

| Site ID   |  |  |  | 14BRN-09 (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)                                  |  | 9:10 AM                                |  | Departure Time (EDT)                         |  | Not recorded |  |
| Latitude (DD)                                       |  | 39.78782                               |  | Longitude (DD)                               |  | -74.17402    |  |
| Water Depth (m)                                     |  | 2.7 (9 ft)                             |  |  |  |              |  |
| Handheld GPS used                                   |  | Garmin GPSMap 62stc                    |  | GPS Waypoint                                 |  | 51           |  |
| YSI   |  | Pro-Plus                               |  | Camera                                       |  | Nikon AW100  |  |
| Sample Type/Sample Info                             |  |  |  |  |  |              |  |
| <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)                                    |  | 14.1                                   |  |  |  |              |  |
| Barometric Pressure (mmHg)                          |  | 770.9                                  |  |  |  |              |  |
| Dissolved Oxygen (DO) (%)                           |  | 107.0                                  |  |  |  |              |  |
| DO (mg/L)   |  | 8.99                                   |  |  |  |              |  |
| Specific Conductance (mS/cm)                        |  | 44.66                                  |  |  |  |              |  |
| Salinity  |  | 28.86                                  |  |  |  |              |  |
| pH (-)  |  | -68.3                                  |  |  |  |              |  |
| ORP (mV)  |  | 190.7                                  |  |  |  |              |  |
|   |  |  |  |  |  |              |  |
|   |  |  |  |  |  |              |  |
|   |  |  |  |  |  |              |  |
|   |  |  |  |  |  |              |  |
| <b>Notes</b>  |  |  |  |  |  |              |  |
| sediment type: muddy sand<br>Too sandy to box core  |  |  |  |  |  |              |  |
| <b>Photos</b>                                       |  |  |  |  |  |              |  |
| PONAR grab: 1237-1242                               |  |  |  |  |  |              |  |