

Bodie Island

Oregon Inlet Spit

Oregon Inlet West Range 1

Pea Island

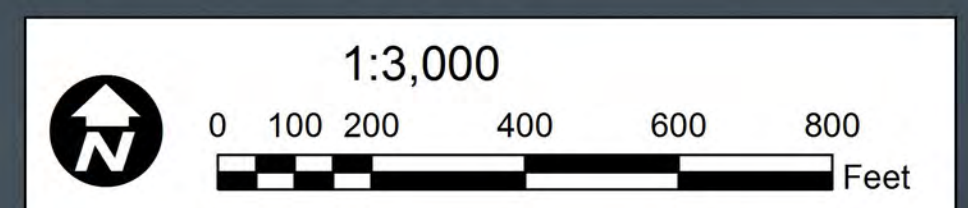
AREA WITHIN PERIMETER
SURVEYED: OCTOBER 20, 2016
AREA OUTSIDE PERIMETER
SURVEYED: OCTOBER 13, 2016

Bonner Bridge
Tide Gage
NW Fender

WAYPOINTS

| Project | Survey Date | SPF_X | SPF_Y | DMS_X | DMS_Y |
|------------------|-------------|---------|--------|-------------------|-------------------|
| OIB - Waypoint 1 | 2016-10-20 | 3029277 | 755344 | 75° 31' 45.424" W | 35° 46' 33.491" N |
| OIB - Waypoint 2 | 2016-10-20 | 3028902 | 754526 | 75° 31' 50.325" W | 35° 46' 25.526" N |
| OIB - Waypoint 3 | 2016-10-20 | 3027668 | 754334 | 75° 32' 5.372" W | 35° 46' 24.057" N |
| OIB - Waypoint 4 | 2016-10-20 | 3026760 | 753853 | 75° 32' 16.587" W | 35° 46' 19.622" N |
| OIB - Waypoint 5 | 2016-10-13 | 3025438 | 755057 | 75° 32' 32.115" W | 35° 46' 31.971" N |
| OIB - Waypoint 6 | 2016-10-13 | 3023722 | 755937 | 75° 32' 52.559" W | 35° 46' 41.266" N |
| OIB - Waypoint 7 | 2016-10-13 | 3022376 | 756005 | 75° 33' 8.881" W | 35° 46' 42.402" N |

- NOTES:**
- ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
 - PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "KNOWLTON", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
 - HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W.
 - TIDE GAGE LOCATED AT NORTH WEST FENDER & OREGON INLET BOAT RAMP. USE OF TIDE VALUES FOR THIS GAGE ARE RESTRICTED TO QUALITY ASSURANCE PURPOSES FOR VERIFICATION OF RTK TIDES. THE WILMINGTON DISTRICT WILL ONLY USE STAFF GAGE TIDE VALUES FOR FINAL MAPPING AND QUANTITY CALCULATIONS IF RTK GPS IS UNAVAILABLE AT THE TIME OF SURVEY.
 - THIS PROJECT WAS DESIGNED BY THE WILMINGTON DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS AND SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER1110-1-8152.
 - THE INFORMATION DEPICTED ON THIS SURVEY MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THESE CONDITIONS ARE SUBJECT TO RAPID CHANGE DUE TO SHOALING EVENTS. A PRUDENT MARINER SHOULD NOT RELY EXCLUSIVELY ON THE INFORMATION PROVIDED HERE. REQUIRED BY 33 CFR 209.325
 - NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL. ACCURACY +/- 3 METERS.
 - FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SAW.USACE.ARMY.MIL

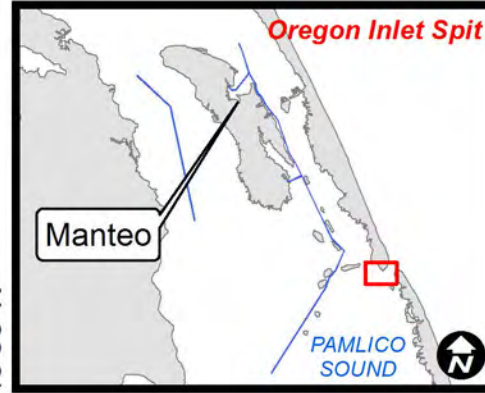
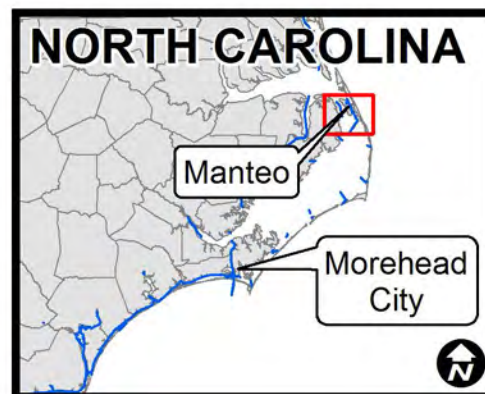


LEGEND

| | | | | | | |
|-------------|-----------|-----------------|---------------|--------------------|------------------|-----------------|
| Green Light | Red Light | Green Daybeacon | Red Daybeacon | Green Lighted Buoy | Red Lighted Buoy | Junction Marker |
| Can | Nun | Danger Sign | Mileboard | Tide Gage | Waypoints | Waypoint Lines |
| Matchlines | | | | | | |

Depth In Feet

| | | | | | | | | |
|-----------------|-------|-------|-------|--------|---------|---------|---------|---------------|
| 4 and Shallower | 6 - 4 | 7 - 6 | 8 - 7 | 10 - 8 | 12 - 10 | 14 - 12 | 15 - 14 | 15 and Deeper |
|-----------------|-------|-------|-------|--------|---------|---------|---------|---------------|



| | |
|---------------------------------------|--------------------------------------|
| SURVEYED BY: DCH, BRJ | SURVEY DATE: 13 & 20 OCTOBER 2016 |
| MAPPED: K7OPNDJIM | MAP DATE: 21 OCTOBER 2016 |
| PROCESSED BY: K7OPNDJIM | MAP SCALE: 1:3,000 |
| | IMAGERY DATE: 17 SEPTEMBER 2016 |
| MAP FILE NAME: MN_01_OIB_20161020.MXD | © 2016 DIGITALGLOBE NEXTVIEW LICENSE |

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS
Oregon Inlet Spit
Oregon Inlet West 1
MANTEO, NORTH CAROLINA