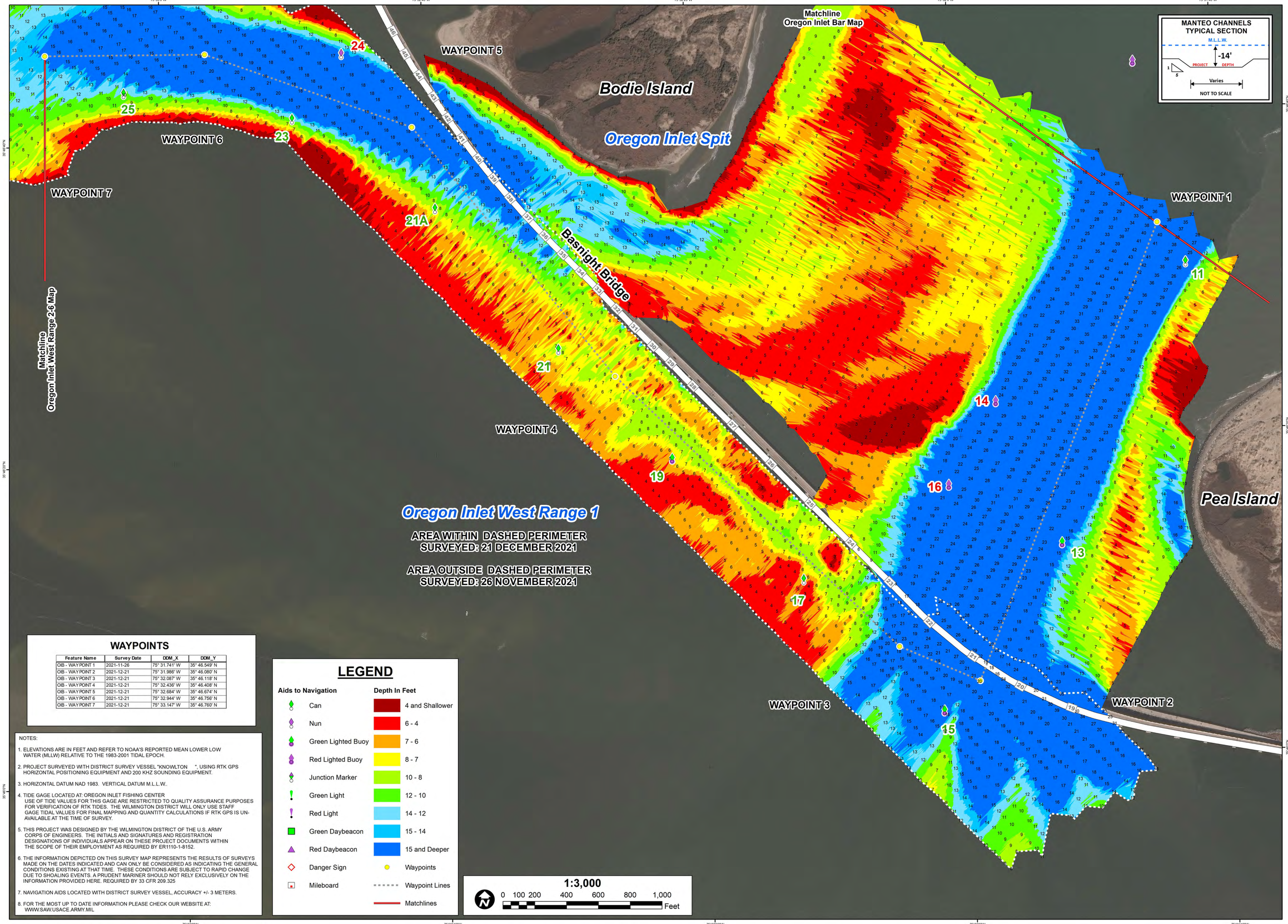


WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-11-26	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-12-21	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-12-21	75° 32.087' W	35° 46.118' N
OIB - WAYPOINT 4	2021-12-21	75° 32.436' W	35° 46.408' N
OIB - WAYPOINT 5	2021-12-21	75° 32.684' W	35° 46.674' N
OIB - WAYPOINT 6	2021-12-21	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 7	2021-12-21	75° 33.147' W	35° 46.760' N

NOTES:

1. ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "KNOWLTON ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W..
4. TIDE GAGE LOCATED AT: OREGON INLET FISHING CENTER
   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 TIDAL VALUES FOR FINAL MAPPING AND QUANTITY CALCULATIONS IF RTK GPS IS UN-AVAILABLE AT THE TIME OF SURVEY.
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6. 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
7. NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL, ACCURACY +/- 3 METERS.
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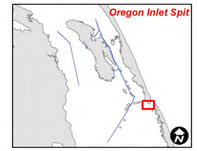
LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District



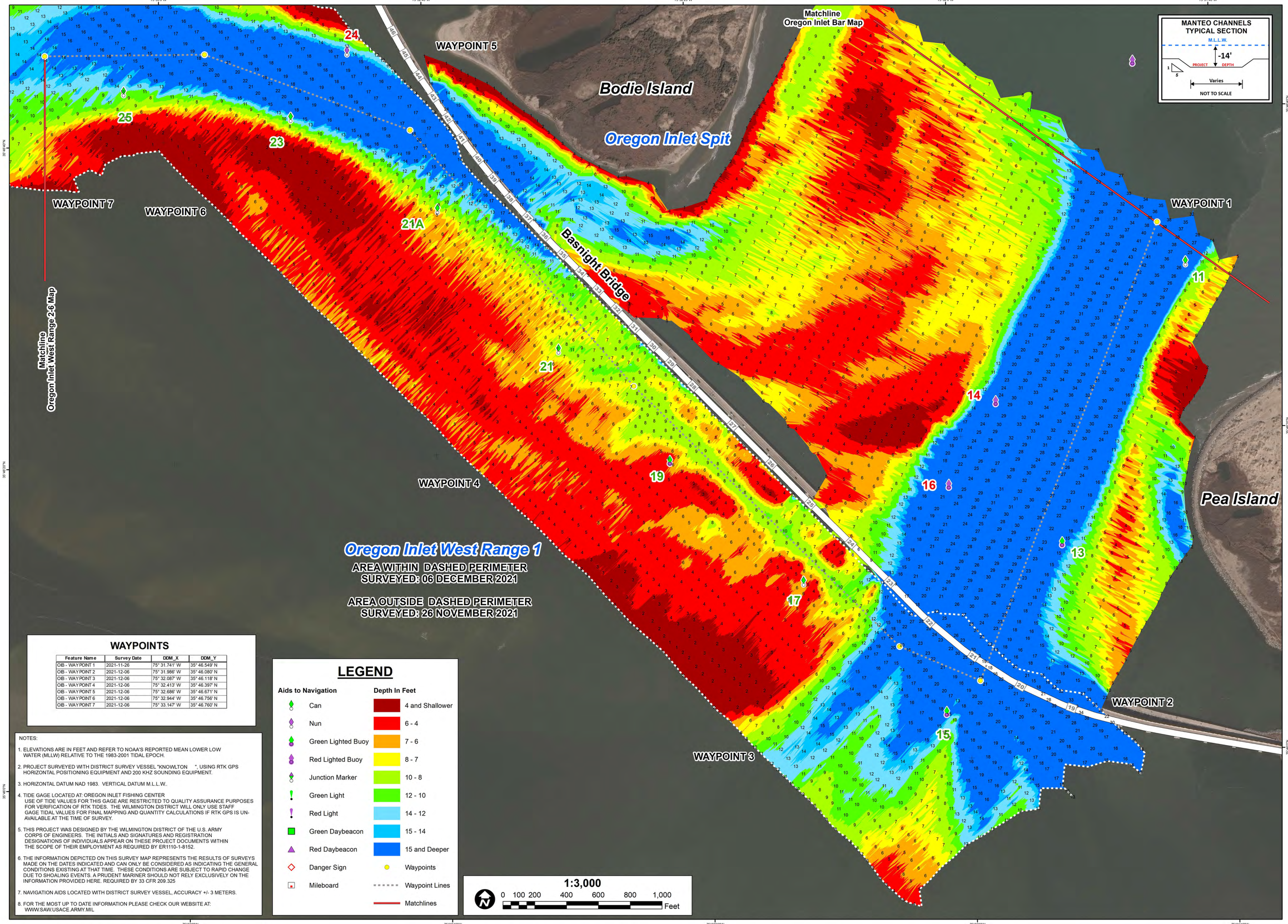


SURVEY DATE: 26 NOVEMBER & 21 DECEMBER 2021
MAP DATE: 21 DECEMBER 2021
SURVEYED BY: DCH, CAB, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
IMAGERY DATE: 26 NOVEMBER 2021
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MAP FILE NAME: MN_01_OIB_20211221_CS

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



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OB - WAYPOINT 1	2021-11-26	75° 31.741' W	35° 46.549' N
OB - WAYPOINT 2	2021-12-06	75° 31.986' W	35° 46.080' N
OB - WAYPOINT 3	2021-12-06	75° 32.087' W	35° 46.118' N
OB - WAYPOINT 4	2021-12-06	75° 32.413' W	35° 46.397' N
OB - WAYPOINT 5	2021-12-06	75° 32.686' W	35° 46.671' N
OB - WAYPOINT 6	2021-12-06	75° 32.944' W	35° 46.756' N
OB - WAYPOINT 7	2021-12-06	75° 33.147' W	35° 46.760' N

NOTES:

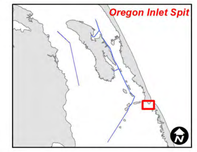
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2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "KNOWLTON ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W..
4. TIDE GAGE LOCATED AT: OREGON INLET FISHING CENTER
   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 TIDAL VALUES FOR FINAL MAPPING AND QUANTITY CALCULATIONS IF RTK GPS IS UN-AVAILABLE AT THE TIME OF SURVEY.
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7. NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL, ACCURACY +/- 3 METERS.
8. FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SAW.USACE.ARMY.MIL

LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

US Army Corps of Engineers
Wilmington District



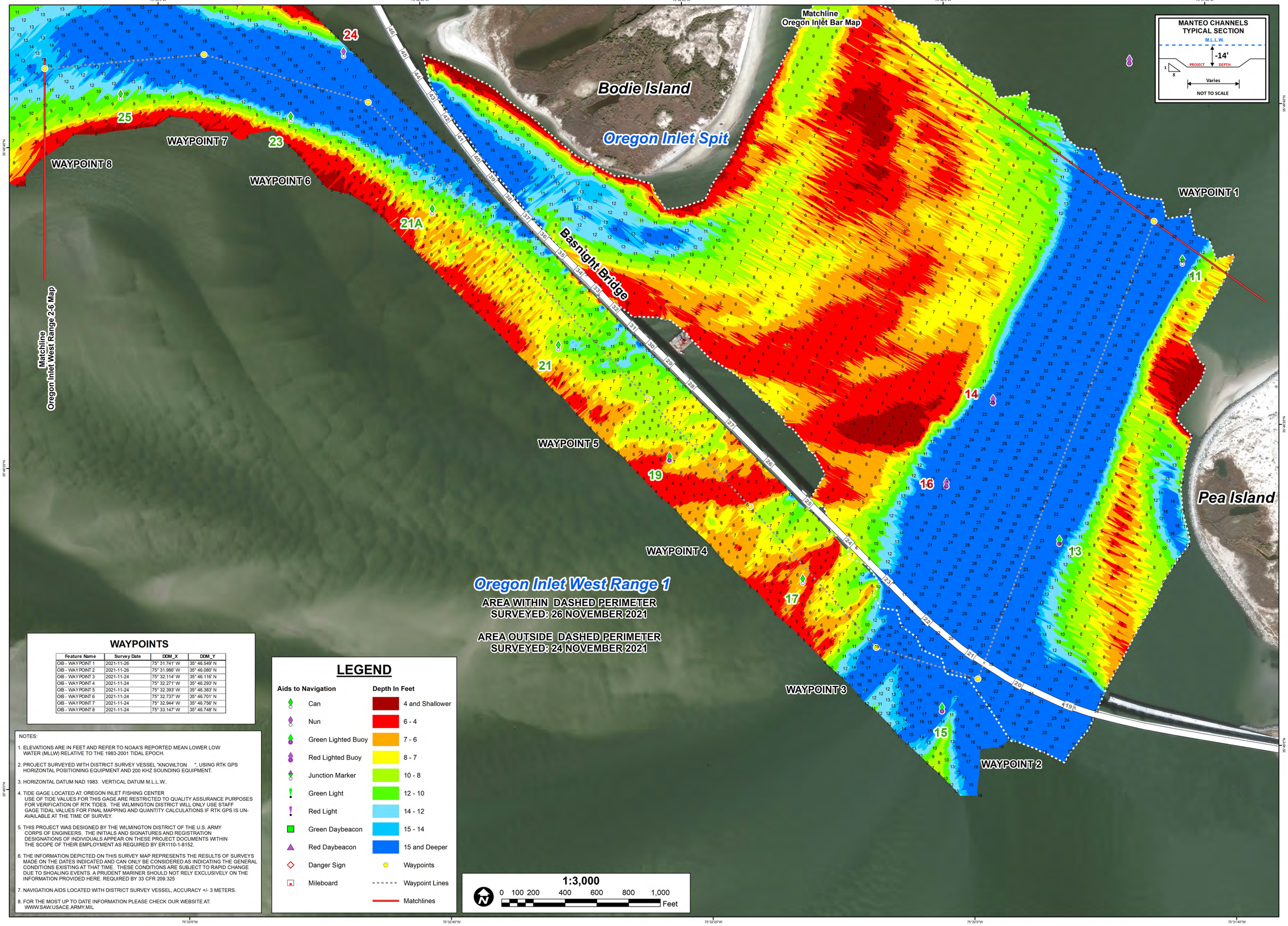


SURVEY DATE: 26 NOVEMBER & 06 DECEMBER 2021
MAP DATE: 07 DECEMBER 2021
SURVEYED BY: DCH, CAB, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
IMAGERY DATE: 26 NOVEMBER 2021
MAP FILE NAME: MN_01_OIB_20211206_CS
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HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS

Oregon Inlet Spit
Oregon Inlet West 1

MANTEO, NORTH CAROLINA



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-11-26	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-11-26	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-11-24	75° 32.114' W	35° 46.116' N
OIB - WAYPOINT 4	2021-11-24	75° 32.271' W	35° 46.293' N
OIB - WAYPOINT 5	2021-11-24	75° 32.393' W	35° 46.383' N
OIB - WAYPOINT 6	2021-11-24	75° 32.737' W	35° 46.701' N
OIB - WAYPOINT 7	2021-11-24	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 8	2021-11-24	75° 33.147' W	35° 46.748' N

NOTES:

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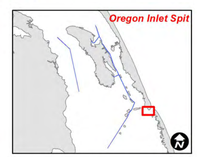
LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA



SURVEYED BY: DCH, CAB, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 24 & 26 NOVEMBER 2021
MAP DATE: 29 NOVEMBER 2021
IMAGERY DATE: 17 NOVEMBER 2021
MAP FILE NAME: MN_01_OIB_20211126_CS
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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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N 35°45'40"N 35°45'20"N

Matchline
Oregon Inlet Bar Map

Bodie Island

Basnight Bridge

Oregon Inlet Spit

Pea Island

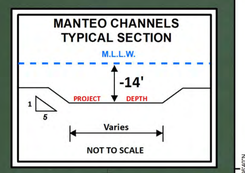
Matchline
Oregon Inlet West Range 2-6 Map

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6
WAYPOINT 7
WAYPOINT 8

24 25 23 21A 21 19 17 15 16 14 11 13

45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19

MANTEO CHANNELS
TYPICAL SECTION



Oregon Inlet West Range 1

AREA WITHIN DASHED PERIMETER
SURVEYED: 24 NOVEMBER 2021

AREA OUTSIDE DASHED PERIMETER
SURVEYED: 19 OCTOBER 2021

WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-10-19	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-11-24	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-11-24	75° 32.114' W	35° 46.116' N
OIB - WAYPOINT 4	2021-11-24	75° 32.271' W	35° 46.293' N
OIB - WAYPOINT 5	2021-11-24	75° 32.393' W	35° 46.383' N
OIB - WAYPOINT 6	2021-11-24	75° 32.737' W	35° 46.701' N
OIB - WAYPOINT 7	2021-11-24	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 8	2021-11-24	75° 33.147' W	35° 46.748' N

NOTES:

1. ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "KNOWLTON ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
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LEGEND

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker
- Green Light
- Red Light
- Green Daybeacon
- Red Daybeacon
- Danger Sign
- Mileboard

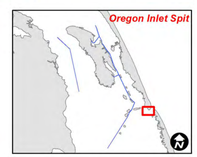
Depth In Feet

- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper
- Waypoints
- Waypoint Lines
- Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA

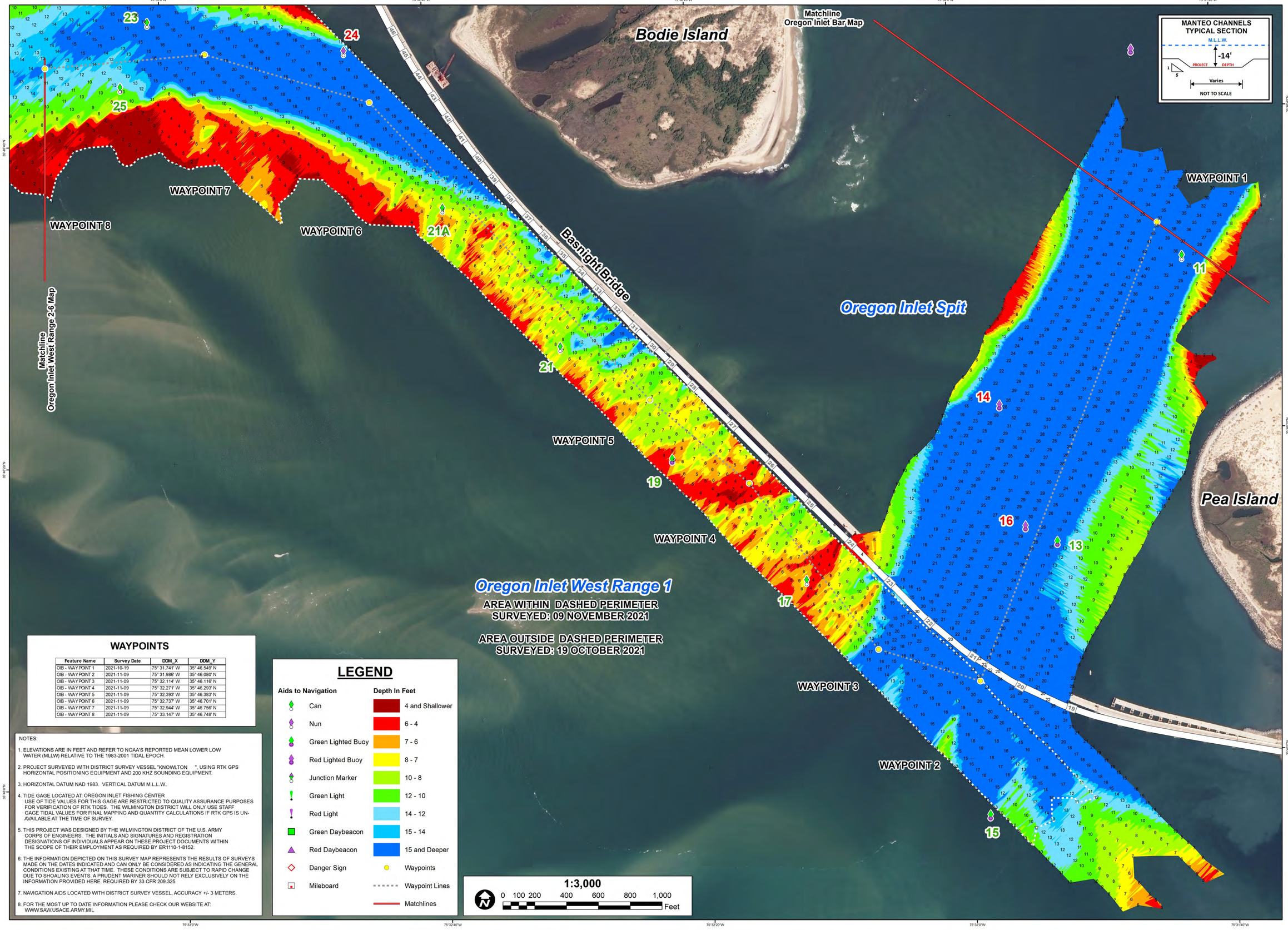


SURVEY DATE: 19 OCTOBER & 24 NOVEMBER 2021
MAP DATE: 24 NOVEMBER 2021
MAP SCALE: 1:3,000
IMAGERY DATE: 17 NOVEMBER 2021
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MAP FILE NAME: MN_01_OIB_20211124_CS

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



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-10-19	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-11-09	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-11-09	75° 32.114' W	35° 46.116' N
OIB - WAYPOINT 4	2021-11-09	75° 32.271' W	35° 46.293' N
OIB - WAYPOINT 5	2021-11-09	75° 32.393' W	35° 46.383' N
OIB - WAYPOINT 6	2021-11-09	75° 32.737' W	35° 46.701' N
OIB - WAYPOINT 7	2021-11-09	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 8	2021-11-09	75° 33.147' W	35° 46.748' N

NOTES:

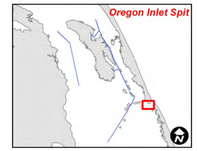
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LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

US Army Corps of Engineers
Wilmington District





SURVEY DATE: 19 OCTOBER & 09 NOVEMBER 2021
MAP DATE: 09 NOVEMBER 2021
SURVEYED BY: DCH, CAB, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
IMAGERY DATE: 30 SEPTEMBER 2021
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MAP FILE NAME: MN_01_OIB_20211109_CS

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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N

Bodie Island

Matchline
Oregon Inlet Bar Map

MANTEO CHANNELS
TYPICAL SECTION
M.L.L.W.
-14'
PROJECT DEPTH
1 on 5
Varies
NOT TO SCALE

Basnight Bridge

Oregon Inlet Spit

Pea Island

Matchline
Oregon Inlet West Range 2-6 Map

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6
WAYPOINT 7
WAYPOINT 8

24 25 23 21A 21 19 17 16A 16 15 14 13 11

Oregon Inlet West Range 1

AREA WITHIN DASHED PERIMETER
SURVEYED: 04 NOVEMBER 2021

AREA OUTSIDE DASHED PERIMETER
SURVEYED: 19 OCTOBER 2021

WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-10-19	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-10-19	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-11-04	75° 32.107' W	35° 46.127' N
OIB - WAYPOINT 4	2021-11-04	75° 32.245' W	35° 46.248' N
OIB - WAYPOINT 5	2021-11-04	75° 32.394' W	35° 46.370' N
OIB - WAYPOINT 6	2021-11-04	75° 32.737' W	35° 46.701' N
OIB - WAYPOINT 7	2021-10-19	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 8	2021-10-19	75° 33.147' W	35° 46.748' N

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7. NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL, ACCURACY +/- 3 METERS.
8. FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SAW.USACE.ARMY.MIL

LEGEND

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker
- Green Light
- Red Light
- Green Daybeacon
- Red Daybeacon
- Danger Sign
- Mileboard

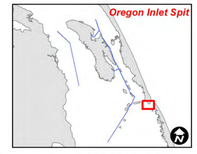
Depth In Feet

- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper
- Waypoints
- Waypoint Lines
- Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA



SURVEYED BY: DCH, CAB, SSS
SURVEY DATE: 19 OCTOBER & 04 NOVEMBER 2021

MAPPED BY: K7OPNLAC
MAP DATE: 04 NOVEMBER 2021

PROCESSED BY: K7OPNLAC

MAP SCALE: 1:3,000

IMAGERY DATE: 30 SEPTEMBER 2021

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MAP FILE NAME: MN_01_OIB_20211104_CS

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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N 35°45'40"N 35°45'20"N

Bodie Island

Matchline
Oregon Inlet Bar Map

Pea Island

Oregon Inlet Spit

Oregon Inlet West Range 1

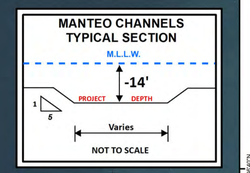
Basnight Bridge

Matchline
Oregon Inlet West Range 2-6 Map

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6
WAYPOINT 7
WAYPOINT 8

24 25 23 21A 21 19 16A 17 16 14 13 11 15

MANTEO CHANNELS
TYPICAL SECTION



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-10-19	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-10-19	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-10-19	75° 32.104' W	35° 46.136' N
OIB - WAYPOINT 4	2021-10-19	75° 32.280' W	35° 46.287' N
OIB - WAYPOINT 5	2021-10-19	75° 32.380' W	35° 46.370' N
OIB - WAYPOINT 6	2021-10-19	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 7	2021-10-19	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 8	2021-10-19	75° 33.147' W	35° 46.748' N

NOTES:

1. ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "KNOWLTON ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
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LEGEND

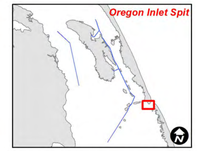
Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA





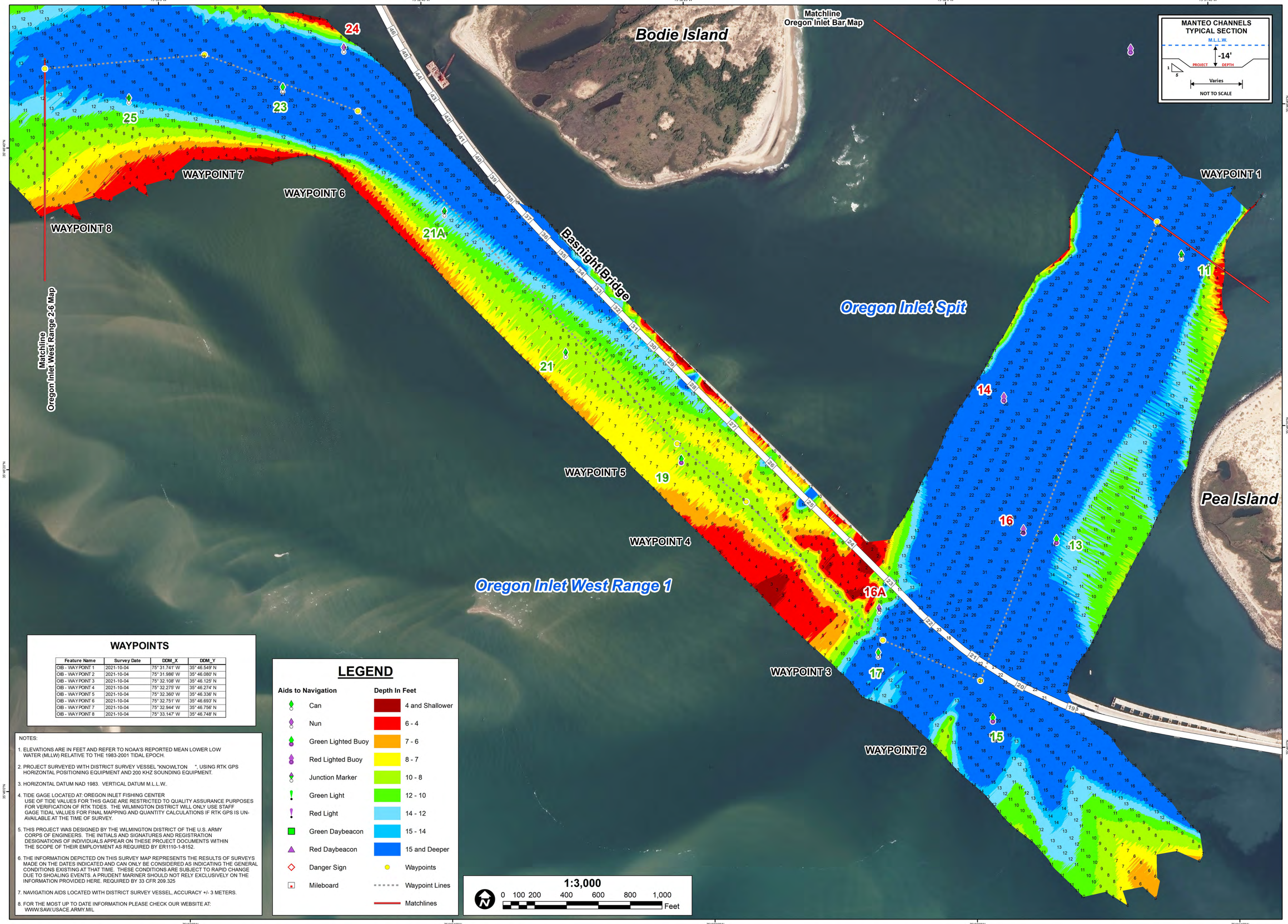
SURVEYED BY: DCH, CAB
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 19 OCTOBER 2021
MAP DATE: 04 NOVEMBER 2021
IMAGERY DATE: 30 SEPTEMBER 2021
MAP FILE NAME: MN_01_OIB_20211019_CS

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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



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-10-04	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-10-04	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-10-04	75° 32.108' W	35° 46.125' N
OIB - WAYPOINT 4	2021-10-04	75° 32.275' W	35° 46.274' N
OIB - WAYPOINT 5	2021-10-04	75° 32.360' W	35° 46.336' N
OIB - WAYPOINT 6	2021-10-04	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 7	2021-10-04	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 8	2021-10-04	75° 33.147' W	35° 46.748' N

NOTES:

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LEGEND

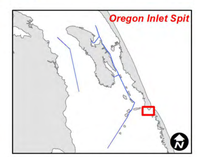
Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000

0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA



SURVEYED BY: DCH, CAB
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 04 OCTOBER 2021
MAP DATE: 05 OCTOBER 2021
IMAGERY DATE: 30 SEPTEMBER 2021
MAP FILE NAME: MN_01_OIB_20211004_CS_1
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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

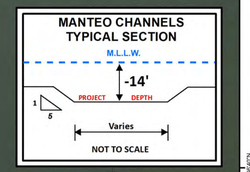
Matchline
Oregon Inlet Bar Map

Bodie Island

Oregon Inlet Spit

AREA OUTSIDE DASHED PERIMETER
SURVEYED: 10 AUGUST 2021

MANTEO CHANNELS
TYPICAL SECTION



WAYPOINT 8
WAYPOINT 7
WAYPOINT 6
WAYPOINT 1
WAYPOINT 5
WAYPOINT 4
WAYPOINT 3
WAYPOINT 2

Matchline
Oregon Inlet West Range 2-6 Map

Basnight Bridge

Pea Island

Oregon Inlet West Range 1

AREA WITHIN DASHED PERIMETER
SURVEYED: 16 SEPTEMBER 2021

WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-08-10	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-09-16	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-09-16	75° 32.108' W	35° 46.125' N
OIB - WAYPOINT 4	2021-09-16	75° 32.264' W	35° 46.275' N
OIB - WAYPOINT 5	2021-09-16	75° 32.360' W	35° 46.336' N
OIB - WAYPOINT 6	2021-09-16	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 7	2021-09-16	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 8	2021-09-16	75° 33.147' W	35° 46.748' N

NOTES:

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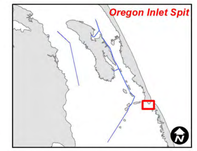
LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District





SURVEYED BY: DCH, SSS, CAB
SURVEY DATE: 10 AUGUST & 16 SEPTEMBER 2021

MAPPED BY: K7OPNLAC
MAP DATE: 17 SEPTEMBER 2021

PROCESSED BY: K7OPNLAC

MAP SCALE: 1:3,000

IMAGERY DATE: 16 AUGUST 2021

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MAP FILE NAME: MN_01_OIB_20210916_CS

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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°48'40"N 35°48'20"N 35°48'0"N 35°47'40"N 35°47'20"N

Bodie Island

Oregon Inlet Spit

AREA OUTSIDE DASHED PERIMETER
SURVEYED: 10 AUGUST 2021

Oregon Inlet West Range 1

AREA WITHIN DASHED PERIMETER
SURVEYED: 01 SEPTEMBER 2021

Matchline
Oregon Inlet Bar Map

Matchline
Oregon Inlet West Range 2-6 Map

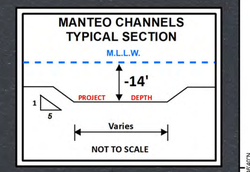
Basnight Bridge

Pea Island

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6
WAYPOINT 7
WAYPOINT 8

24 25 23 21A 21 19 17 15 14 16 13 11

MANTEO CHANNELS
TYPICAL SECTION



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-08-10	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-09-01	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-09-01	75° 32.108' W	35° 46.125' N
OIB - WAYPOINT 4	2021-09-01	75° 32.264' W	35° 46.275' N
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NOTES:

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LEGEND

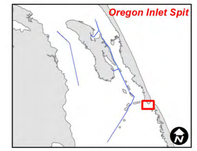
Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
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Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA





SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 10 AUGUST & 01 SEPTEMBER 2021
MAP DATE: 01 SEPTEMBER 2021
IMAGERY DATE: 16 AUGUST 2021
MAP FILE NAME: MN_01_OIB_20210901_CS

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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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N

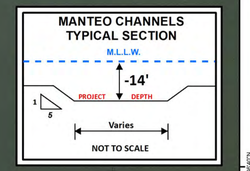
Bodie Island

Matchline
Oregon Inlet Bar Map

Oregon Inlet Spit

AREA OUTSIDE DASHED PERIMETER
SURVEYED: 10 AUGUST 2021

MANTEO CHANNELS
TYPICAL SECTION



WAYPOINT 1

WAYPOINT 2

WAYPOINT 3

WAYPOINT 4

WAYPOINT 5

WAYPOINT 6

WAYPOINT 7

WAYPOINT 8

Basnight Bridge

Matchline
Oregon Inlet West Range 2-6 Map

Pea Island

Oregon Inlet West Range 1

AREA WITHIN DASHED PERIMETER
SURVEYED: 23 AUGUST 2021

WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-08-10	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-08-23	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-08-23	75° 32.108' W	35° 46.125' N
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7. NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL, ACCURACY +/- 3 METERS.
8. FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SAW.USACE.ARMY.MIL

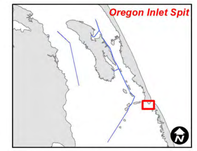
LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District





SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 10 & 23 AUGUST 2021
MAP DATE: 24 AUGUST 2021
IMAGERY DATE: 16 AUGUST 2021
MAP FILE NAME: MN_01_OIB_20210823_CS
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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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N 35°45'40"N 35°45'20"N

Matchline
Oregon Inlet Bar Map

Bodie Island

Oregon Inlet Spit

AREA WITHIN DASHED WHITE PERIMETER
SURVEYED: 10 AUGUST 2021

Oregon Inlet West Range 1

AREA OUTSIDE DASHED WHITE PERIMETER
SURVEYED: 05 AUGUST 2021

Matchline
Oregon Inlet West Range 2-6 Map

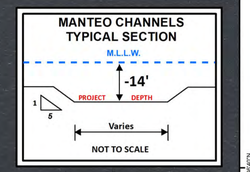
Basnight Bridge

Pea Island

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6
WAYPOINT 7
WAYPOINT 8

24 25 23 21A 21 19 17 15 14 16 13 11

MANTEO CHANNELS
TYPICAL SECTION



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-08-10	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-08-05	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-08-05	75° 32.109' W	35° 46.135' N
OIB - WAYPOINT 4	2021-08-05	75° 32.264' W	35° 46.275' N
OIB - WAYPOINT 5	2021-08-05	75° 32.360' W	35° 46.336' N
OIB - WAYPOINT 6	2021-08-05	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 7	2021-08-05	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 8	2021-08-05	75° 33.147' W	35° 46.748' N

NOTES:

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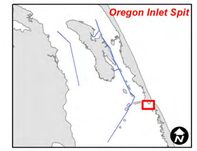
LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
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Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA

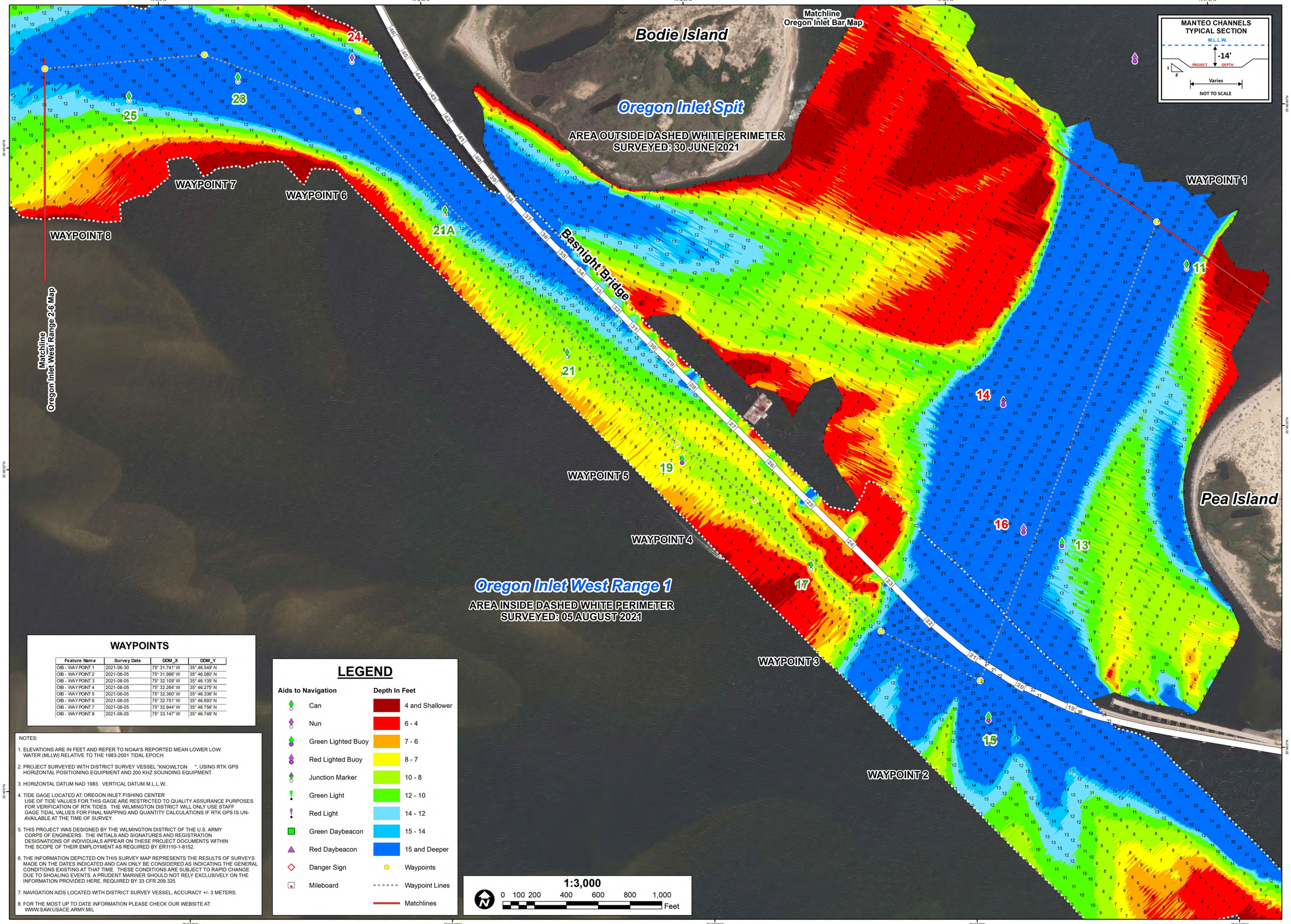


SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 05 & 10 AUGUST 2021
MAP DATE: 10 AUGUST 2021
IMAGERY DATE: 16 JULY 2021
MAP FILE NAME: MN_01_OIB_20210810_CS
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HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS

Oregon Inlet Spit
Oregon Inlet West 1

MANTEO, NORTH CAROLINA



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-06-30	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-08-05	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-08-05	75° 32.109' W	35° 46.135' N
OIB - WAYPOINT 4	2021-08-05	75° 32.264' W	35° 46.275' N
OIB - WAYPOINT 5	2021-08-05	75° 32.360' W	35° 46.336' N
OIB - WAYPOINT 6	2021-08-05	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 7	2021-08-05	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 8	2021-08-05	75° 33.147' W	35° 46.748' N

NOTES:

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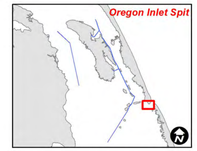
LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District



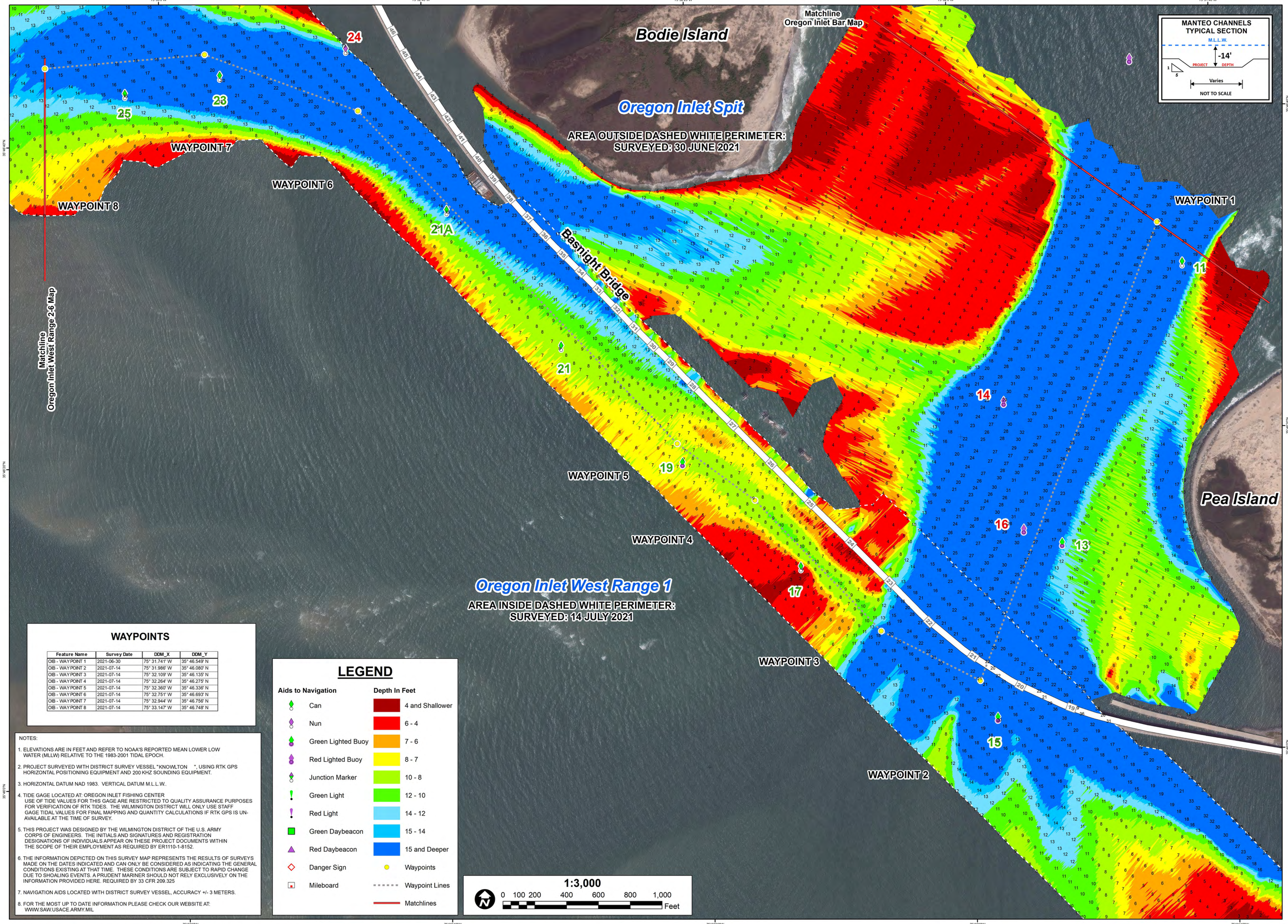


SURVEYED BY: DCH, SSS
SURVEY DATE: 30 JUNE & 05 AUGUST 2021
MAPPED BY: K7OPNLAC
MAP DATE: 05 AUGUST 2021
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
IMAGERY DATE: 16 JULY 2021
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MAP FILE NAME: MN_01_OIB_20210805_CS

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



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-06-30	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-07-14	75° 31.986' W	35° 46.080' N
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LEGEND

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker
- Green Light
- Red Light
- Green Daybeacon
- Red Daybeacon
- Danger Sign
- Mileboard

Depth In Feet

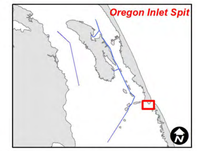
- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper
- Waypoints
- Waypoint Lines
- Matchlines

1:3,000

0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District





SURVEYED BY: DCH, SSS
SURVEY DATE: 30 JUNE & 14 JULY 2021
MAPPED BY: K7OPNAGF
MAP DATE: 14 JULY 2021
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
IMAGERY DATE: 01 MAY 2021
MAP FILE NAME: MN_01_OIB_20210630_CS
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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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N

Matchline
Oregon Inlet Bar Map

Bodie Island

Oregon Inlet Spit
SURVEYED: 30 JUNE 2021

Matchline
Oregon Inlet West Range 2-6 Map

WAYPOINT 5

WAYPOINT 4

WAYPOINT 6

WAYPOINT 1

Basnight Bridge

Pea Island

Oregon Inlet West Range 1
SURVEYED: 24 JUNE 2021

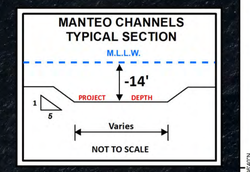
WAYPOINT 3

WAYPOINT 2

24 23 25 21A 21 19 17 14 16 13 11 15

40 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19

MANTEO CHANNELS TYPICAL SECTION



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-06-30	75° 31.741' W	35° 46.549' N
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LEGEND

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker
- Green Light
- Red Light
- Green Daybeacon
- Red Daybeacon
- Danger Sign
- Mileboard

Depth In Feet

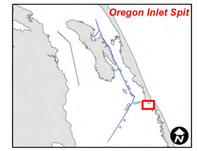
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- 6 - 4
- 7 - 6
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- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper
- Waypoints
- Waypoint Lines
- Matchlines

1:3,000

0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District





SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
IMAGERY DATE: 01 MAY 2021
MAP FILE NAME: MN_01_OIB_20210630_CS

SURVEY DATE: 24 & 30 JUNE 2021
MAP DATE: 01 JULY 2021

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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

75°33'0"W
75°32'40"W
75°32'20"W
75°32'0"W
75°31'40"W
35°46'40"N
35°46'20"N
35°46'0"N

Matchline
Oregon Inlet West Range 2-6 Map

Matchline
Oregon Inlet Bar Map

Bodie Island

Oregon Inlet Spit
SURVEYED: 28 MAY 2021

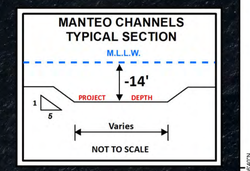
Oregon Inlet West Range 1
SURVEYED: 24 JUNE 2021

Basnight Bridge

Pea Island

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6

MANTEO CHANNELS
TYPICAL SECTION



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
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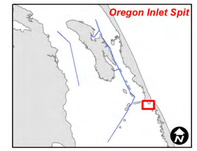
LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

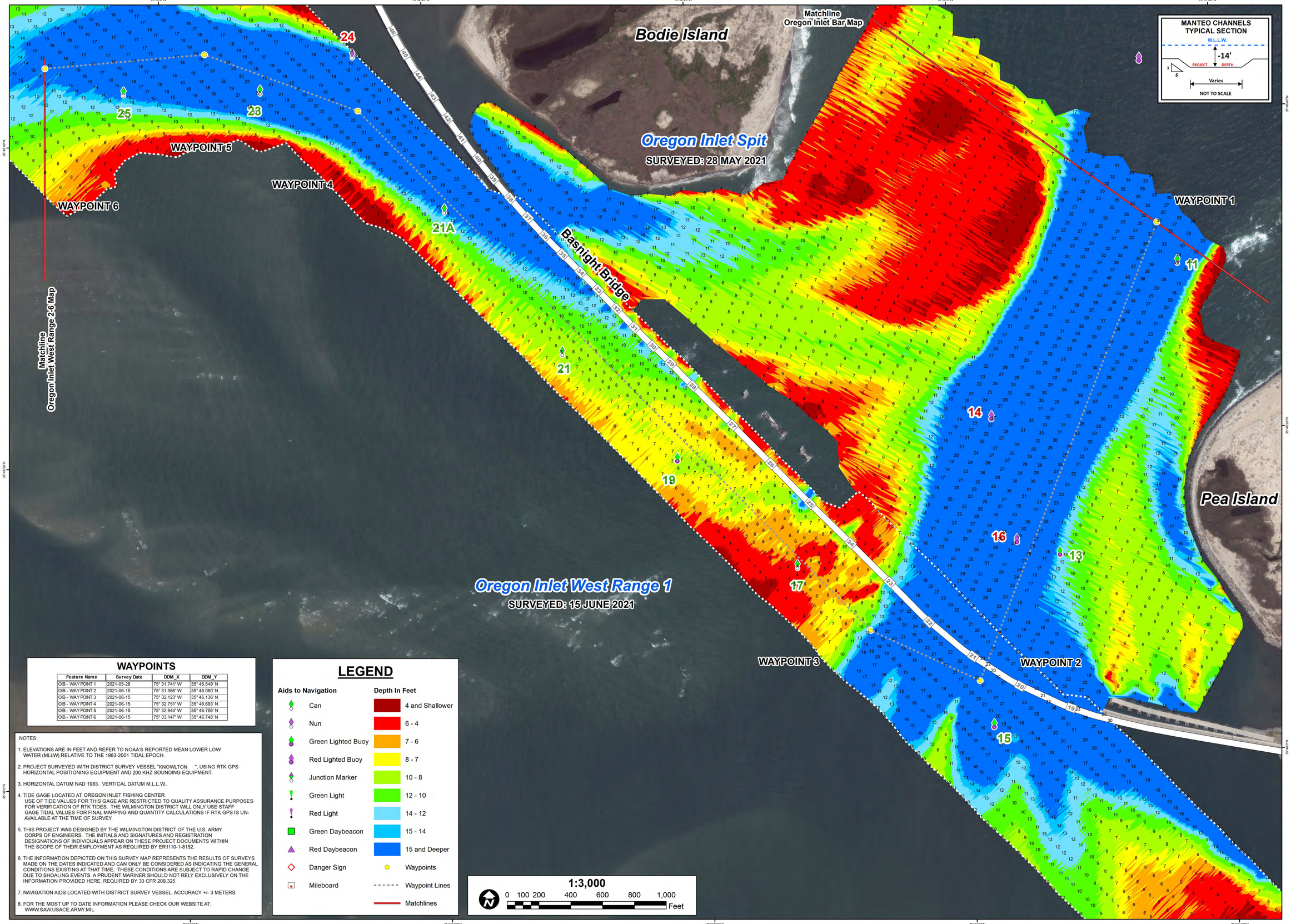
US Army Corps of Engineers
Wilmington District





SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
IMAGERY DATE: 01 MAY 2021
MAP DATE: 25 JUNE 2021
SURVEY DATE: 28 MAY & 24 JUNE 2021
MAP FILE NAME: MN_01_OIB_20210624_CS
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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



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-05-28	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-06-15	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-06-15	75° 32.123' W	35° 46.136' N
OIB - WAYPOINT 4	2021-06-15	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-06-15	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-06-15	75° 33.147' W	35° 46.748' N

NOTES:

1. ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "KNOWLTON ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W.
4. TIDE GAGE LOCATED AT: OREGON INLET FISHING CENTER
   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 TIDAL VALUES FOR FINAL MAPPING AND QUANTITY CALCULATIONS IF RTK GPS IS UN-AVAILABLE AT THE TIME OF SURVEY.
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6. 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
7. NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL, ACCURACY +/- 3 METERS.
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LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

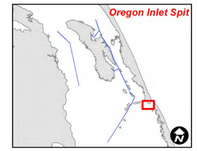
1:3,000

0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA





SURVEYED BY: DCH, SSS
SURVEY DATE: 28 MAY & 15 JUNE 2021
MAPPED BY: K7OPNLAC
MAP DATE: 16 JUNE 2021
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
IMAGERY DATE: 01 MAY 2021
MAP FILE NAME: MN_01_OIB_20210615_CS
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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

75°33'0"W | 75°32'40"W | 75°32'20"W | 75°32'0"W | 75°31'40"W

35°48'40"N | 35°48'20"N | 35°48'0"N | 35°47'40"N | 35°47'20"N

Matchline
Oregon Inlet West Range 2-6 Map

Matchline
Oregon Inlet Bar Map

Bodie Island

Oregon Inlet Spit
SURVEYED: 28 MAY 2021

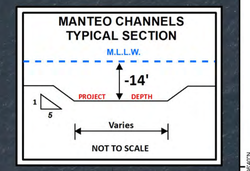
Oregon Inlet West Range 1
SURVEYED: 20 MAY 2021

Pea Island

Basnight Bridge

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6

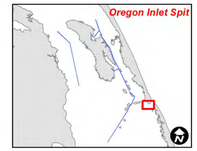
MANTEO CHANNELS
TYPICAL SECTION



US Army Corps of Engineers
Wilmington District

NORTH CAROLINA





SURVEYED BY: DCH, SSS	
MAPPED BY: K7OPNLAC	
PROCESSED BY: K7OPNLAC	
MAP SCALE: 1:3,000	
IMAGERY DATE: 01 MAY 2021	
SURVEY DATE: 20 & 28 MAY 2021	
MAP DATE: 08 JUNE 2021	
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MAP FILE NAME: MN_01_OIB_20210528_CS	

WAYPOINTS

NOTES:

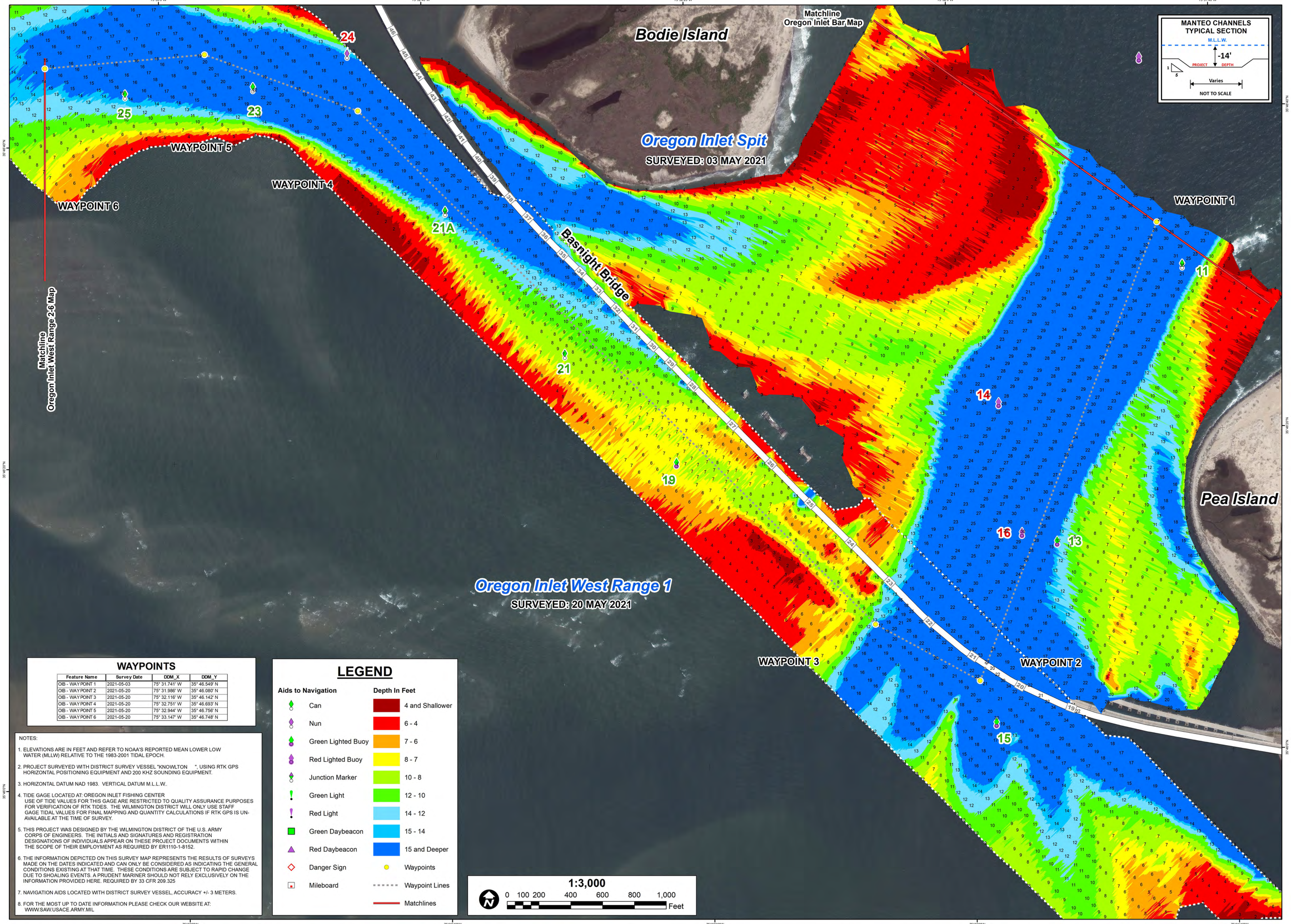
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LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

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



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-05-03	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-05-20	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-05-20	75° 32.116' W	35° 46.142' N
OIB - WAYPOINT 4	2021-05-20	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-05-20	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-05-20	75° 33.147' W	35° 46.748' N

NOTES:

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3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W..
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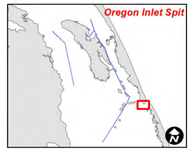
LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA



SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 03 & 20 MAY 2021
MAP DATE: 21 MAY 2021
IMAGERY DATE: 01 MAY 2021
MAP FILE NAME: MN_01_OIB_20210520_CS
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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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N 35°45'40"N 35°45'20"N

Bodie Island

Matchline
Oregon Inlet Bar Map

Oregon Inlet Spit
SURVEYED: 03 MAY 2021

Oregon Inlet West Range 1
SURVEYED: 06 MAY 2021

Matchline
Oregon Inlet West Range 2-6 Map

Bascight Bridge

Pea Island

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6

24 23 25 21A 21 19 17 16 13 14 11 15

40 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19

MANTEO CHANNELS
TYPICAL SECTION

M.L.L.W.
-14'
PROJECT DEPTH
1 on 5
Varies
NOT TO SCALE

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA

Oregon Inlet Spit

WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-05-03	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-05-06	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-05-06	75° 32.129' W	35° 46.148' N
OIB - WAYPOINT 4	2021-05-06	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-05-06	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-05-06	75° 33.147' W	35° 46.748' N

NOTES:

1. ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
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3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W.
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LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 03 & 06 MAY 2021
MAP DATE: 07 MAY 2021
IMAGERY DATE: 01 MAY 2021
MAP FILE NAME: MN_01_OIB_20210506_CS
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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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N 35°45'40"N 35°45'20"N

Matchline
Oregon Inlet Bar Map

Bodie Island

Oregon Inlet Spit
SURVEYED: 03 MAY 2021

MANTEO CHANNELS
TYPICAL SECTION
M.L.L.W.
-14'
PROJECT DEPTH
1 on 5
Varies
NOT TO SCALE

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6

Basnight Bridge

Matchline
Oregon Inlet West Range 2-6 Map

Pea Island

Oregon Inlet West Range 1
SURVEYED: 22 APRIL 2021

24 25 23 21A 21 19 17 16 13 14 11 15

WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-05-03	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-04-22	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-04-22	75° 32.129' W	35° 46.148' N
OIB - WAYPOINT 4	2021-04-22	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-04-22	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-04-22	75° 33.147' W	35° 46.748' N

NOTES:

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LEGEND

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker
- Green Light
- Red Light
- Green Daybeacon
- Red Daybeacon
- Danger Sign
- Mileboard

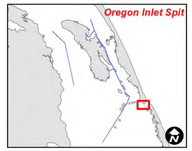
Depth In Feet

- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper
- Waypoints
- Waypoint Lines
- Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA

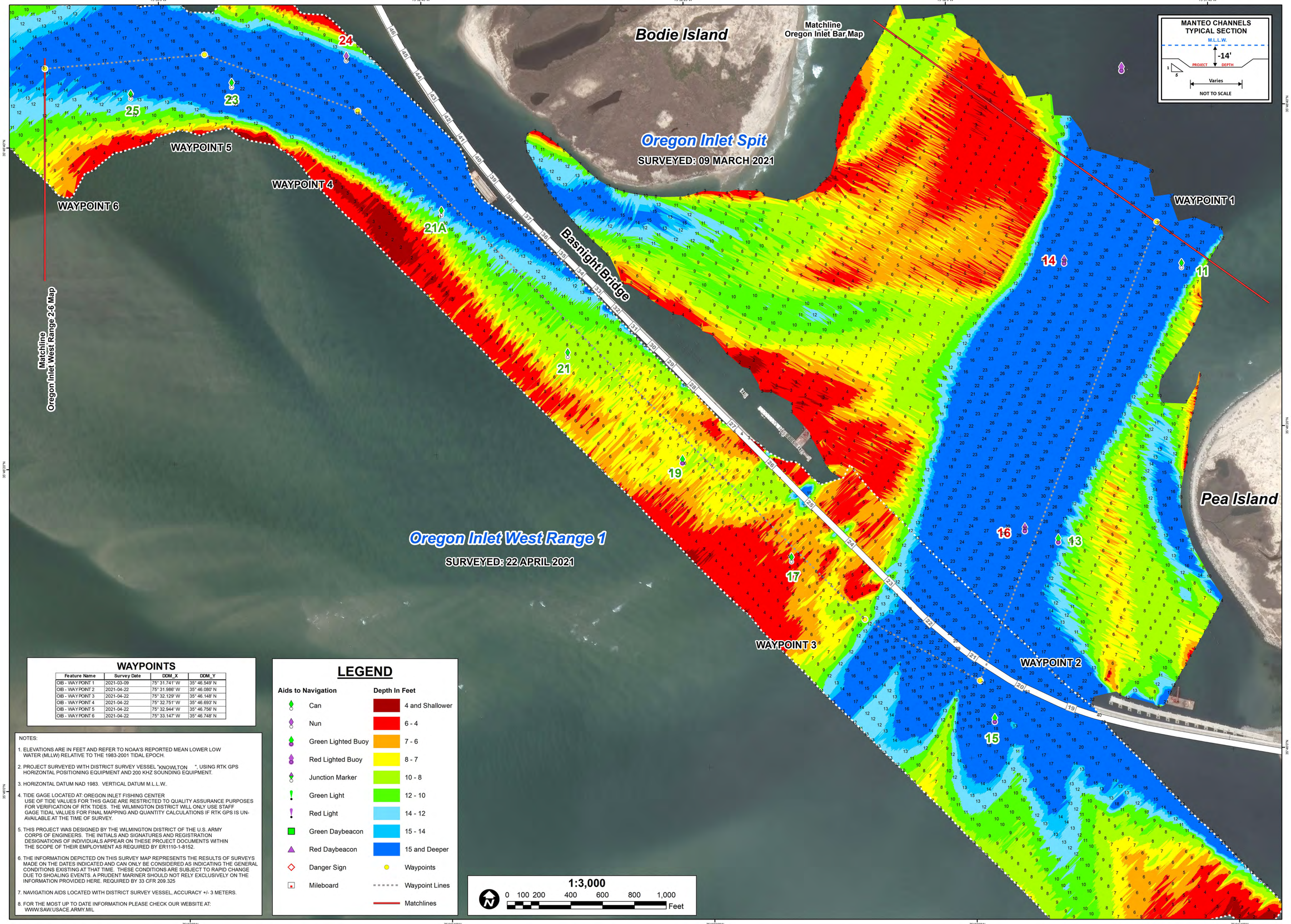


SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 22 APRIL & 03 MAY 2021
MAP DATE: 04 MAY 2021
IMAGERY DATE: 14 APRIL 2021
MAP FILE NAME: MN_01_OIB_20210503_CS
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HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS

Oregon Inlet Spit
Oregon Inlet West 1

MANTEO, NORTH CAROLINA



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-03-09	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-04-22	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-04-22	75° 32.129' W	35° 46.148' N
OIB - WAYPOINT 4	2021-04-22	75° 32.751' W	35° 46.693' N
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7. NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL, ACCURACY +/- 3 METERS.
8. FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SAW.USACE.ARMY.MIL

LEGEND

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker
- Green Light
- Red Light
- Green Daybeacon
- Red Daybeacon
- Danger Sign
- Mileboard

Depth In Feet

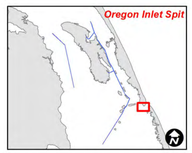
- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper
- Waypoints
- Waypoint Lines
- Matchlines

1:3,000

0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA



SURVEYED BY: DCH, SSS, LMT
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 09 MARCH & 22 APRIL 2021
MAP DATE: 23 APRIL 2021
IMAGERY DATE: 14 APRIL 2021
MAP FILE NAME: MN_01_OIB_20210422_CS
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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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N

Bodie Island

Matchline
Oregon Inlet Bar Map

Oregon Inlet Spit
SURVEYED: 09 MARCH 2021

Basnight Bridge

Pea Island

Oregon Inlet West Range 1
SURVEYED: 07 APRIL 2021

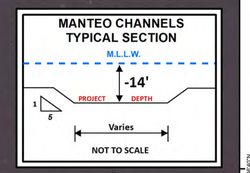
Matchline
Oregon Inlet West Range 2-6 Map

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6

24 25 23 21A 21 19 17 14 16 13 15 11

40 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 22

MANTEO CHANNELS
TYPICAL SECTION



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-03-09	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-04-07	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-04-07	75° 32.129' W	35° 46.148' N
OIB - WAYPOINT 4	2021-04-07	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-04-07	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-04-07	75° 33.147' W	35° 46.748' N

NOTES:

1. ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "KNOWLTON ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
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7. NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL, ACCURACY +/- 3 METERS.
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LEGEND

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker
- Green Light
- Red Light
- Green Daybeacon
- Red Daybeacon
- Danger Sign
- Mileboard

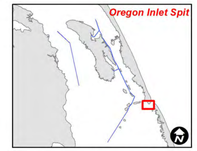
Depth In Feet

- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper
- Waypoints
- Waypoint Lines
- Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District





SURVEYED BY: DCH, SSS, LMT
SURVEY DATE: 09 MARCH & 07 APRIL 2021
MAPPED BY: K7OPNLAC
MAP DATE: 09 APRIL 2021
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
IMAGERY DATE: 07 MARCH 2021
MAP FILE NAME: MN_01_OIB_20210407_CS
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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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N 35°45'40"N 35°45'20"N

Bodie Island

Matchline
Oregon Inlet Bar Map

Oregon Inlet Spit
SURVEYED: 09 MARCH 2021

Oregon Inlet West Range 1
SURVEYED: 24 MARCH 2021

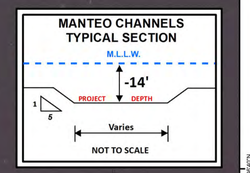
Basnight Bridge

Pea Island

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6

Matchline
Oregon Inlet West Range 2-6 Map

MANTEO CHANNELS
TYPICAL SECTION



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-03-09	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-03-24	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-03-24	75° 32.155' W	35° 46.160' N
OIB - WAYPOINT 4	2021-03-24	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-03-24	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-03-24	75° 33.147' W	35° 46.748' N

NOTES:

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2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "KNOWLTON ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W..
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8. FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SAW.USACE.ARMY.MIL

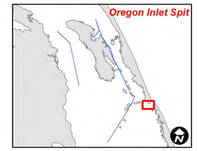
LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District



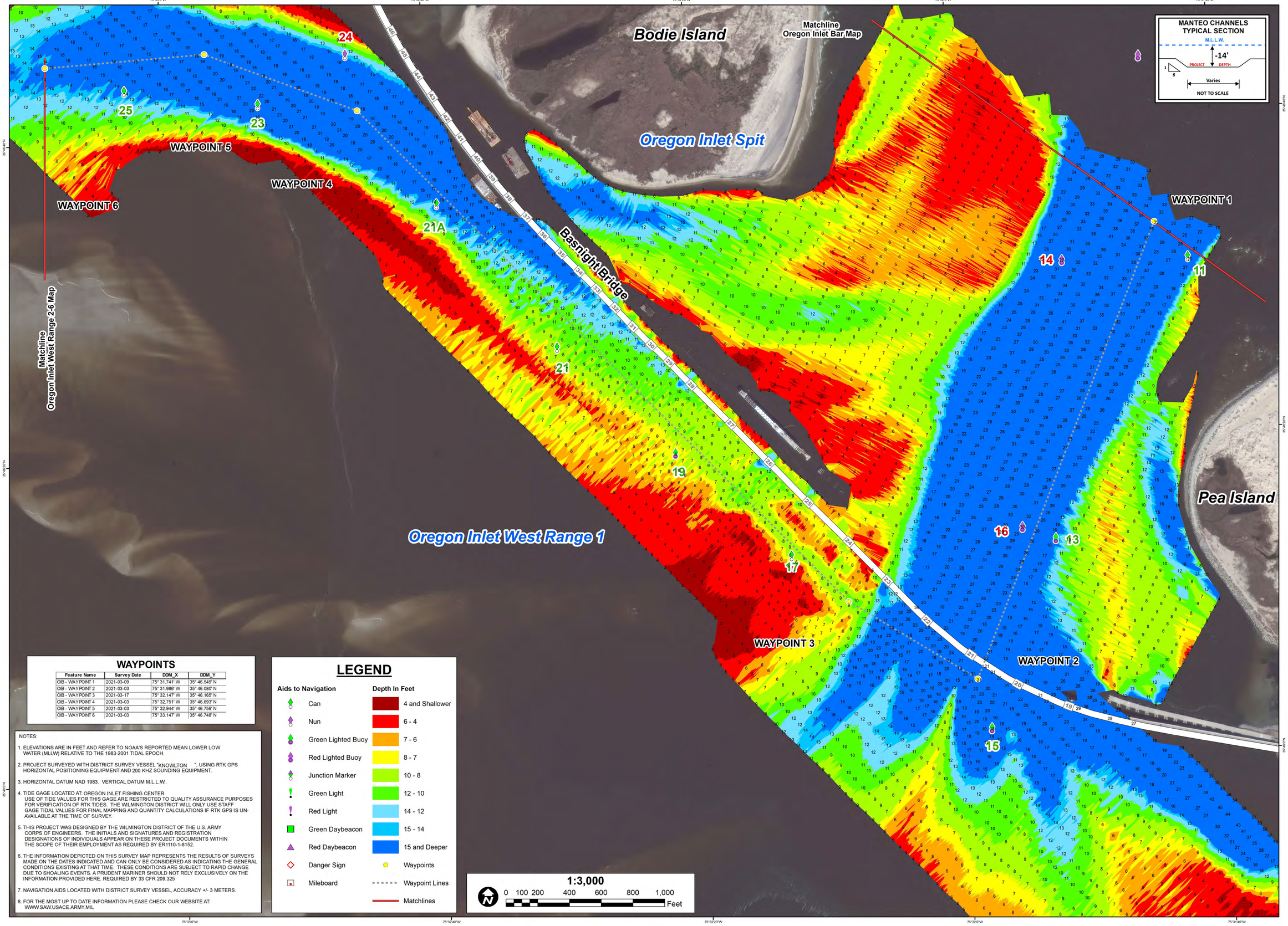


SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 09 & 24 MARCH 2021
MAP DATE: 25 MARCH 2021
IMAGERY DATE: 07 MARCH 2021
MAP FILE NAME: MN_01_OIB_20210324_CS
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HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS

Oregon Inlet Spit
Oregon Inlet West 1

MANTEO, NORTH CAROLINA



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-03-09	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-03-03	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-03-17	75° 32.147' W	35° 46.165' N
OIB - WAYPOINT 4	2021-03-03	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-03-03	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-03-03	75° 33.147' W	35° 46.748' N

NOTES:

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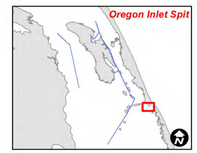
LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

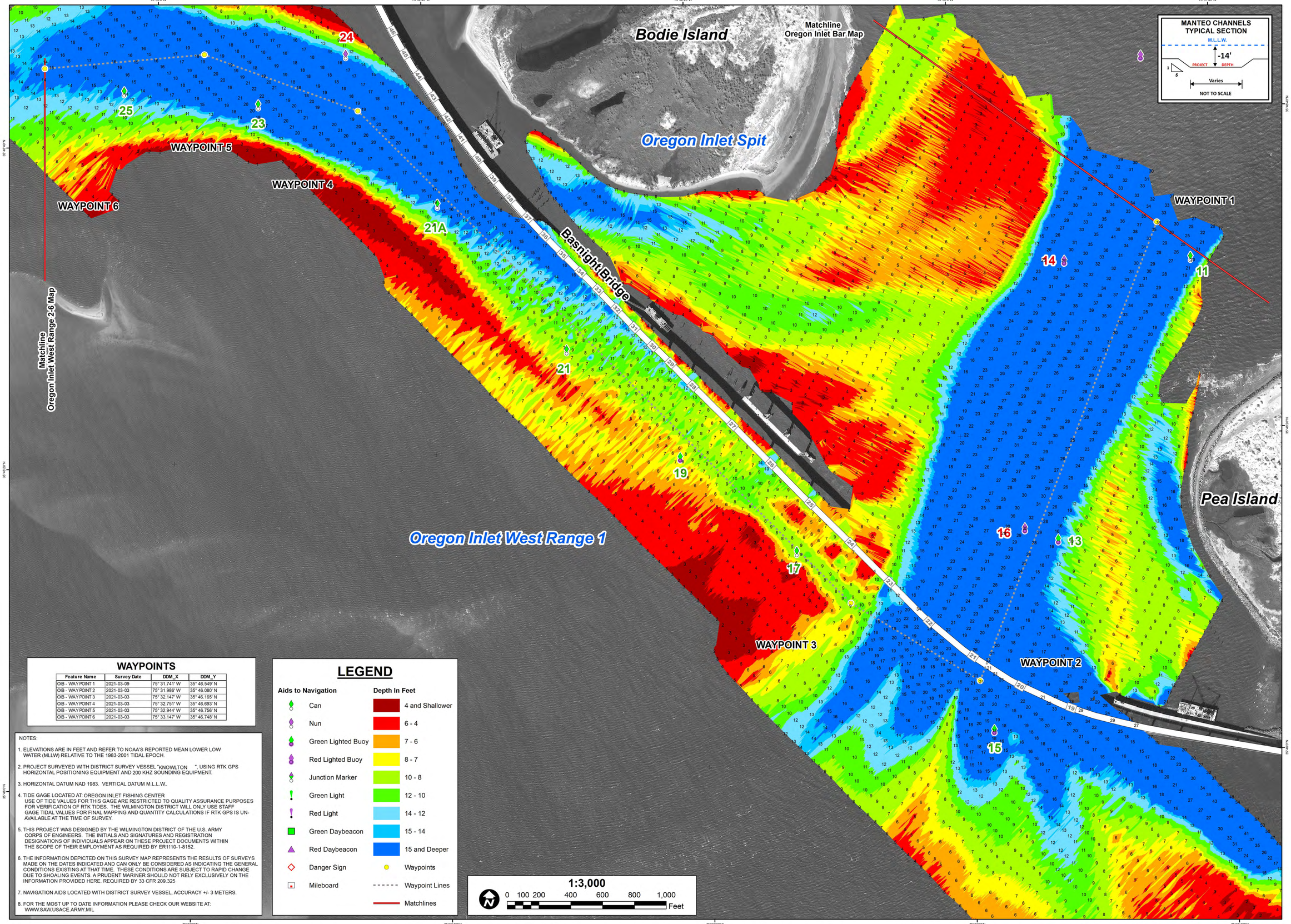
US Army Corps of Engineers
Wilmington District

NORTH CAROLINA



SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP FILE NAME: MN_01_OIB_20210317_CS
SURVEY DATE: 03, 09 & 17 MARCH 2021
MAP DATE: 18 MARCH 2021
MAP SCALE: 1:3,000
IMAGERY DATE: 07 MARCH 2021
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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

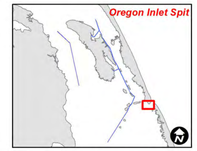


MANTEO CHANNELS
TYPICAL SECTION

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA





WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-03-09	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2021-03-03	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-03-03	75° 32.147' W	35° 46.165' N
OIB - WAYPOINT 4	2021-03-03	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-03-03	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-03-03	75° 33.147' W	35° 46.748' N

NOTES:

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LEGEND

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker
- Green Light
- Red Light
- Green Daybeacon
- Red Daybeacon
- Danger Sign
- Mileboard

Depth In Feet

- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
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- Waypoints
- Waypoint Lines
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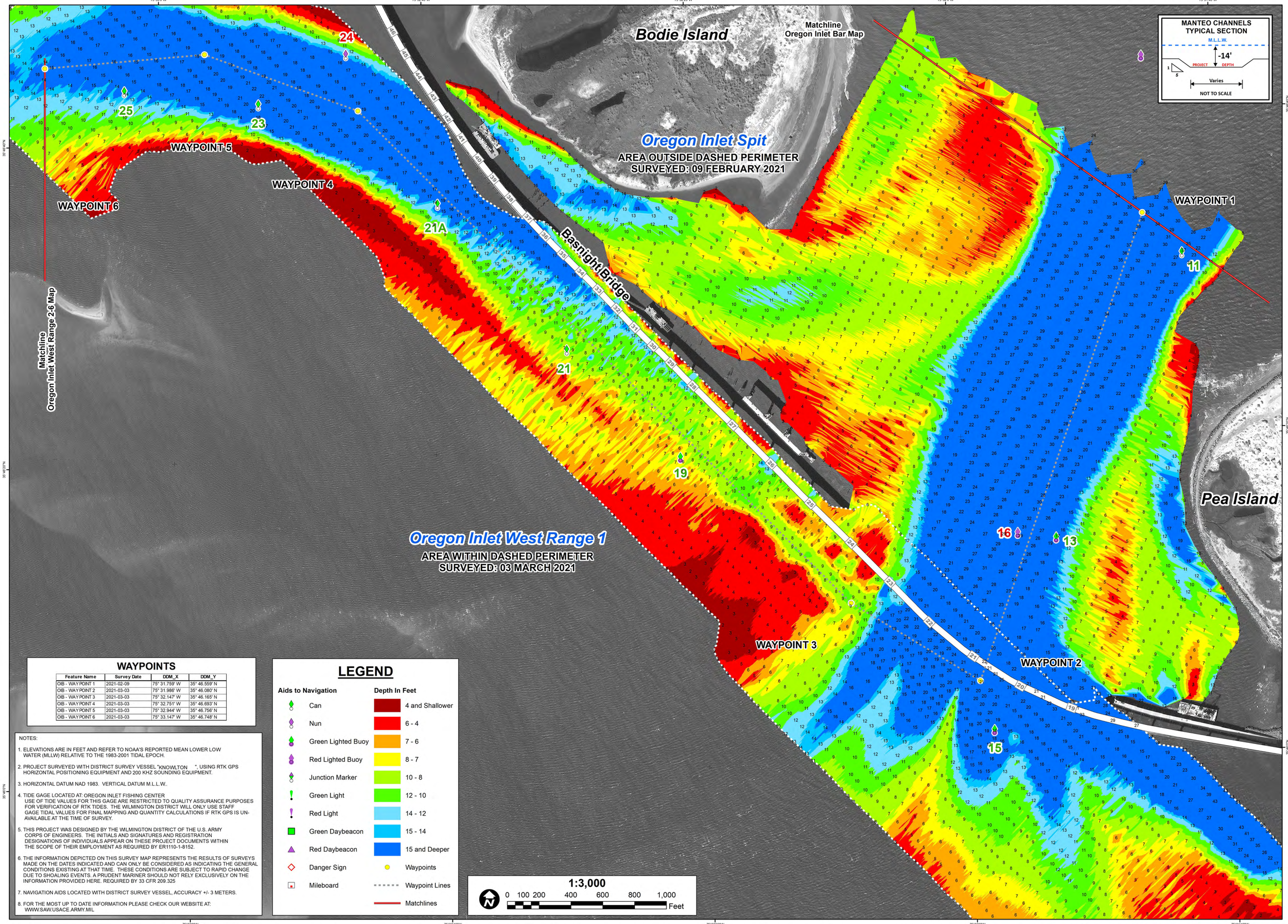
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0 100 200 400 600 800 1,000 Feet

SURVEY DATE: 03 & 09 MARCH 2021
MAP DATE: 11 MARCH 2021
SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
IMAGERY DATE: 29 JANUARY 2021
MAP FILE NAME: MN_01_OIB_20210309_CS
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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



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-02-09	75° 31.759' W	35° 46.559' N
OIB - WAYPOINT 2	2021-03-03	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-03-03	75° 32.147' W	35° 46.165' N
OIB - WAYPOINT 4	2021-03-03	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-03-03	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-03-03	75° 33.147' W	35° 46.748' N

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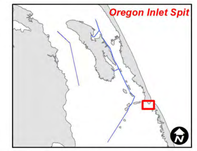
LEGEND

Aids to Navigation	Depth In Feet
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Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
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Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District





SURVEY DATE: 09 FEBRUARY & 03 MARCH 2021
MAP DATE: 05 MARCH 2021
SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
IMAGERY DATE: 29 JANUARY 2021
MAP FILE NAME: MN_01_OIB_20210303_CS
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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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N 35°45'40"N 35°45'20"N

Bodie Island

Matchline
Oregon Inlet Bar Map

Oregon Inlet Spit
AREA OUTSIDE DASHED PERIMETER
SURVEYED: 09 FEBRUARY 2021

Oregon Inlet West Range 1
AREA WITHIN DASHED PERIMETER
SURVEYED: 23 FEBRUARY 2021

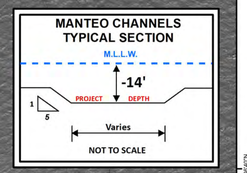
Basnight Bridge

Pea Island

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6

Matchline
Oregon Inlet West Range 2-6 Map

MANTEO CHANNELS
TYPICAL SECTION



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-02-09	75° 31.759' W	35° 46.559' N
OIB - WAYPOINT 2	2021-02-23	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-02-23	75° 32.147' W	35° 46.165' N
OIB - WAYPOINT 4	2021-02-23	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-02-23	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-02-23	75° 33.147' W	35° 46.748' N

NOTES:

1. ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "KNOWLTON ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W..
4. TIDE GAGE LOCATED AT: OREGON INLET FISHING CENTER
   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 TIDAL VALUES FOR FINAL MAPPING AND QUANTITY CALCULATIONS IF RTK GPS IS UN-AVAILABLE AT THE TIME OF SURVEY.
5. 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.
6. 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
7. NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL, ACCURACY +/- 3 METERS.
8. FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SAW.USACE.ARMY.MIL

LEGEND

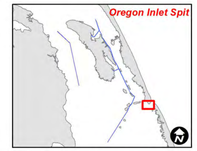
Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA





SURVEYED BY: DCH, SSS
SURVEY DATE: 09 & 23 FEBRUARY 2021

MAPPED BY: K7OPNLAC
MAP DATE: 24 FEBRUARY 2021

PROCESSED BY: K7OPNLAC

MAP SCALE: 1:3,000

IMAGERY DATE: 29 JANUARY 2021

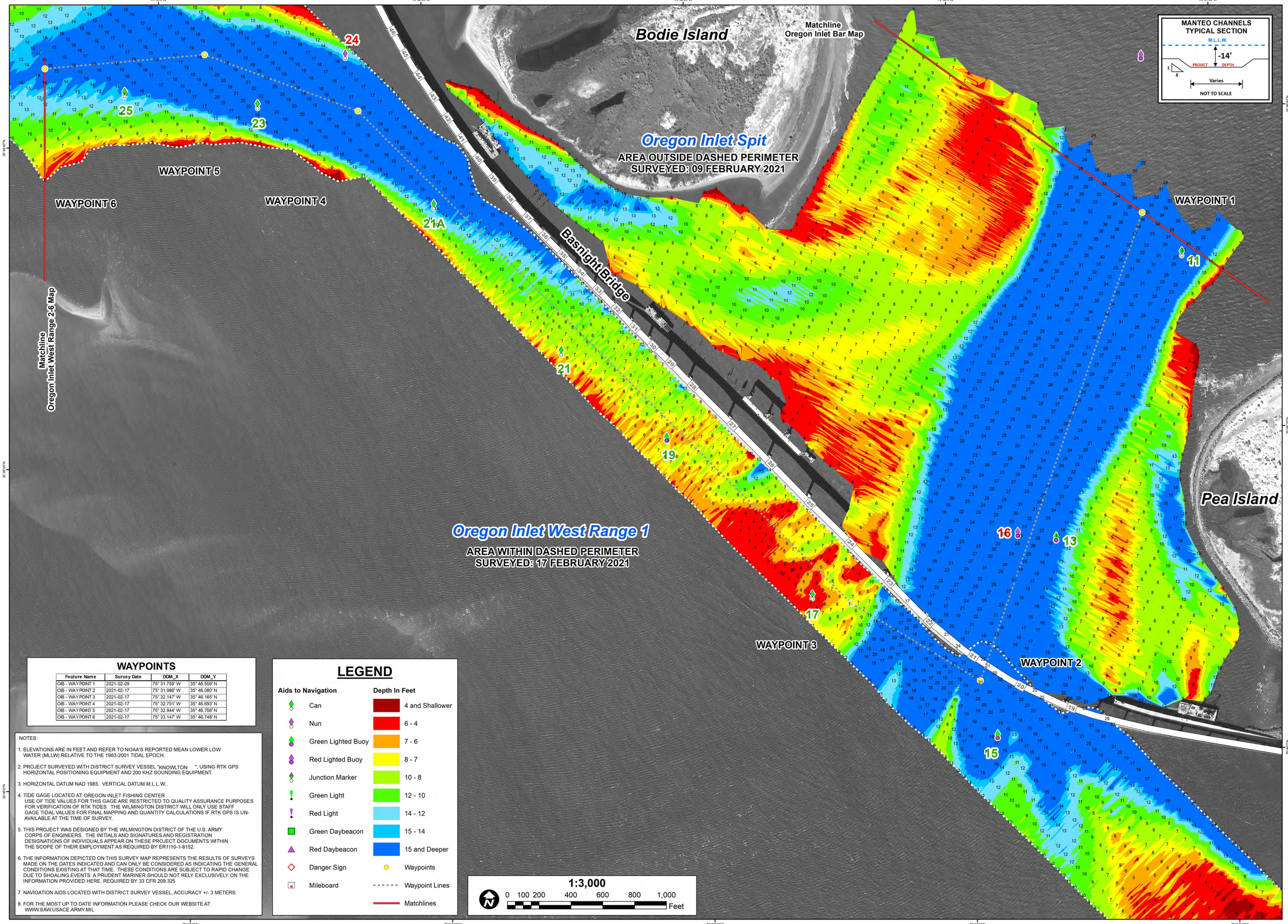
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MAP FILE NAME: MN_01_OIB_20210223_CS

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



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-02-09	75° 31.759' W	35° 46.559' N
OIB - WAYPOINT 2	2021-02-17	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2021-02-17	75° 32.147' W	35° 46.165' N
OIB - WAYPOINT 4	2021-02-17	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-02-17	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-02-17	75° 33.147' W	35° 46.748' N

NOTES:

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2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "KNOWLTON ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W..
4. TIDE GAGE LOCATED AT: OREGON INLET FISHING CENTER
   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 TIDAL VALUES FOR FINAL MAPPING AND QUANTITY CALCULATIONS IF RTK GPS IS UN-AVAILABLE AT THE TIME OF SURVEY.
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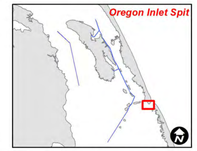
LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District



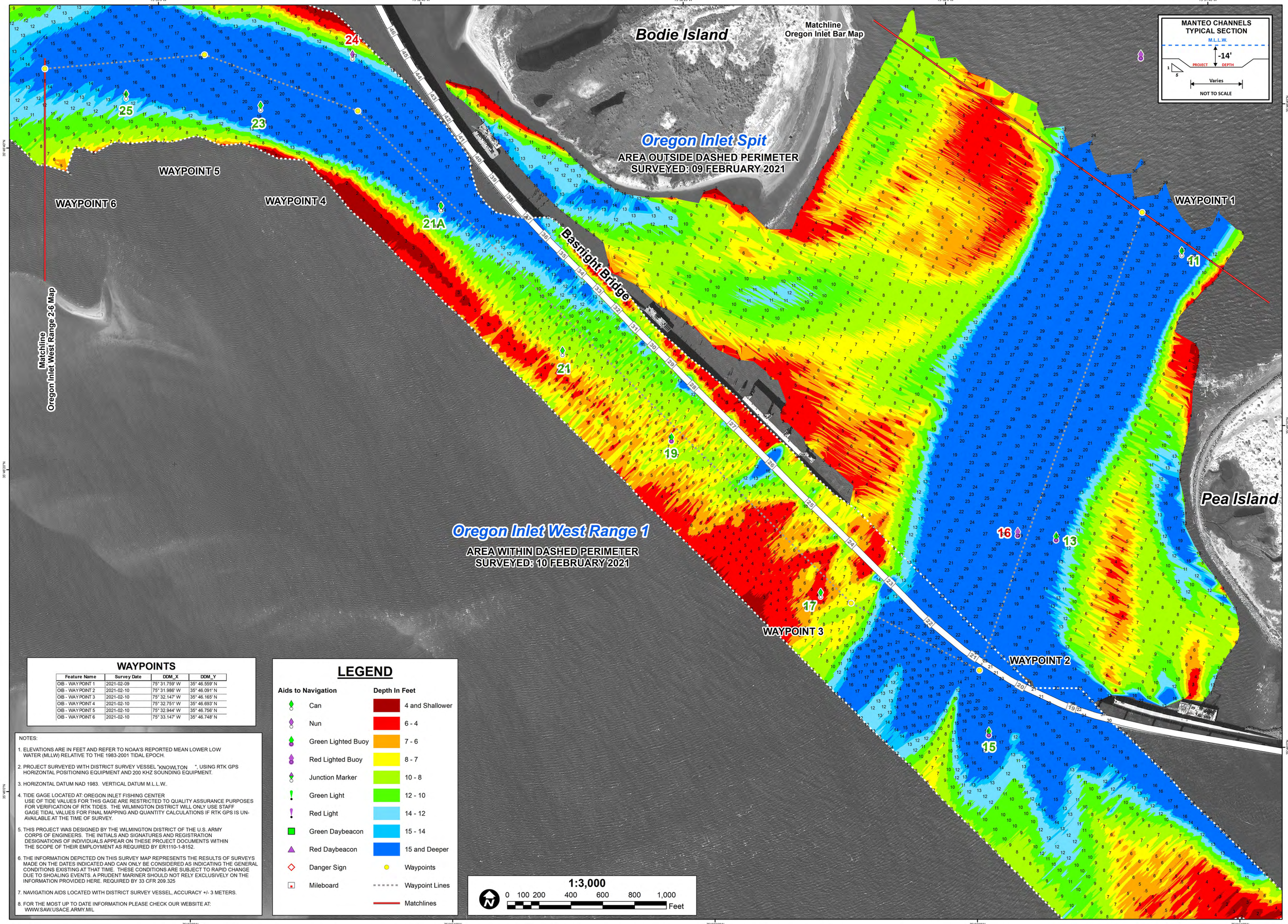


SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 09 & 17 FEBRUARY 2021
MAP DATE: 18 FEBRUARY 2021
IMAGERY DATE: 29 JANUARY 2021
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MAP FILE NAME: MN_01_OIB_20210217_CS

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



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-02-09	75° 31.759' W	35° 46.559' N
OIB - WAYPOINT 2	2021-02-10	75° 31.986' W	35° 46.091' N
OIB - WAYPOINT 3	2021-02-10	75° 32.147' W	35° 46.165' N
OIB - WAYPOINT 4	2021-02-10	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-02-10	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-02-10	75° 33.147' W	35° 46.748' N

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3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W..
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   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 TIDAL VALUES FOR FINAL MAPPING AND QUANTITY CALCULATIONS IF RTK GPS IS UN-AVAILABLE AT THE TIME OF SURVEY.
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LEGEND

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker
- Green Light
- Red Light
- Green Daybeacon
- Red Daybeacon
- Danger Sign
- Mileboard

Depth In Feet

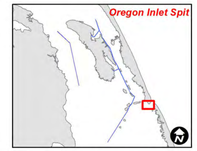
- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper
- Waypoints
- Waypoint Lines
- Matchlines

1:3,000

0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District



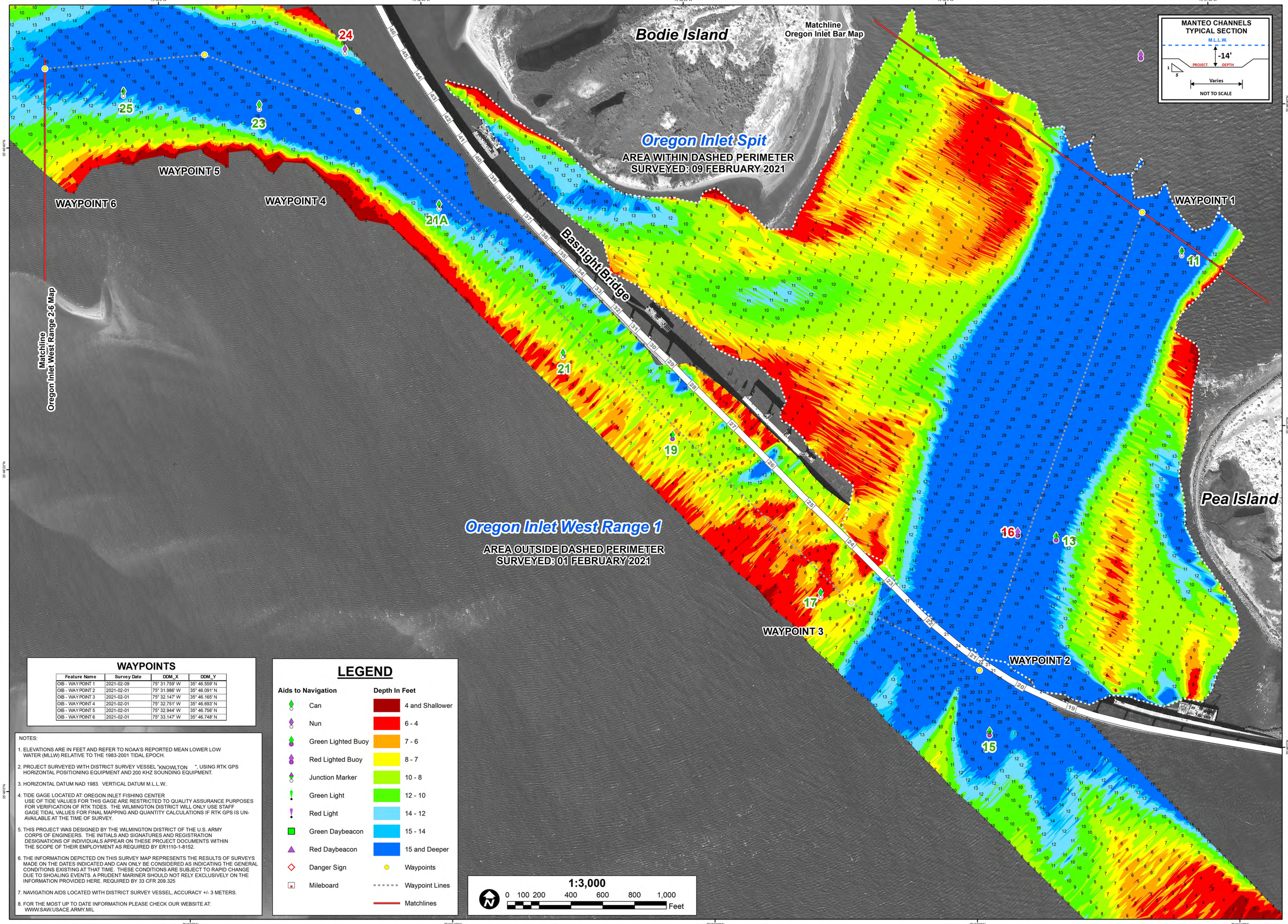


SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 09 & 10 FEBRUARY 2021
MAP DATE: 11 FEBRUARY 2021
IMAGERY DATE: 29 JANUARY 2021
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MAP FILE NAME: MN_01_OIB_20210210_CS

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



WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-02-09	75° 31.759' W	35° 46.559' N
OIB - WAYPOINT 2	2021-02-01	75° 31.986' W	35° 46.091' N
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OIB - WAYPOINT 4	2021-02-01	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-02-01	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-02-01	75° 33.147' W	35° 46.748' N

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3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W..
4. TIDE GAGE LOCATED AT: OREGON INLET FISHING CENTER
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LEGEND

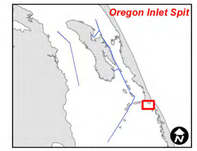
Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

1:3,000

0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District





SURVEYED BY: DCH, SSS
MAPPED BY: K7OPNLAC
PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000
SURVEY DATE: 01 & 09 FEBRUARY 2021
MAP DATE: 10 FEBRUARY 2021
IMAGERY DATE: 29 JANUARY 2021
MAP FILE NAME: MN_01_OIB_20210209_CS
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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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°48'40"N 35°48'20"N 35°48'0"N 35°47'40"N 35°47'20"N

Bodie Island

Matchline
Oregon Inlet Bar Map

Oregon Inlet Spit
AREA OUTSIDE DASHED PERIMETER
SURVEYED: 20 JANUARY 2021

Oregon Inlet West Range 1
AREA WITHIN DASHED PERIMETER
SURVEYED: 01 FEBRUARY 2021

Matchline
Oregon Inlet West Range 2-6 Map

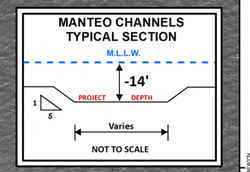
Basnight Bridge

Pea Island

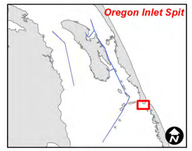
WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6

24 25 23 21A 21 19 17 16 15 13 11

MANTEO CHANNELS TYPICAL SECTION







LEGEND

Aids to Navigation		Depth In Feet	
	Can		4 and Shallower
	Nun		6 - 4
	Green Lighted Buoy		7 - 6
	Red Lighted Buoy		8 - 7
	Junction Marker		10 - 8
	Green Light		12 - 10
	Red Light		14 - 12
	Green Daybeacon		15 - 14
	Red Daybeacon		15 and Deeper
	Danger Sign		Waypoints
	Mileboard		Waypoint Lines
			Matchlines
			Navigation Channel

NOTES:

1. ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "POTTER ", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W..
4. TIDE GAGE LOCATED AT: OREGON INLET FISHING CENTER
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WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-01-20	75° 31.806' W	35° 46.589' N
OIB - WAYPOINT 2	2021-02-01	75° 31.986' W	35° 46.091' N
OIB - WAYPOINT 3	2021-02-01	75° 32.147' W	35° 46.165' N
OIB - WAYPOINT 4	2021-02-01	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-02-01	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-02-01	75° 33.147' W	35° 46.748' N

1:3,000
0 100 200 400 600 800 1,000 Feet

US Army Corps of Engineers
Wilmington District

SURVEYED BY: DCH, SSS	
SURVEY DATE: 20 JANUARY & 01 FEBRUARY 2021	
MAPPED BY: K7OPNLAC	
MAP DATE: 03 FEBRUARY 2021	
PROCESSED BY: K7OPNLAC	
MAP SCALE: 1:3,000	
IMAGERY DATE: 29 JANUARY 2021	
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MAP FILE NAME: MN_01_OIB_20210201_CS	

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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N 35°45'40"N 35°45'20"N

Bodie Island

Matchline
Oregon Inlet Bar Map

AREA INSIDE DASHED WHITE PERIMETER
SURVEY DATE: 20 JANUARY 2021

Oregon Inlet Spit

Basnight Bridge

Pea Island

Oregon Inlet West Range 1

AREA OUTSIDE DASHED WHITE PERIMETER
SURVEY DATE: 19 JANUARY 2021

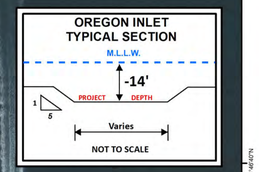
Matchline
Oregon Inlet West Range 2-6 Map

WAYPOINT 1
WAYPOINT 2
WAYPOINT 3
WAYPOINT 4
WAYPOINT 5
WAYPOINT 6

24 25 23 21A 21 19 17 16 15 13 11

146 145 144 143 142 141 140 139 138 137 136 135 134 133 132 131 130 29 28 27 26 25 24 23 22 21 20 19

OREGON INLET TYPICAL SECTION



LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
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Danger Sign	Waypoints
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	Matchlines

1:3,000

200 100 0 200 400 600 800 Feet

NOTES:

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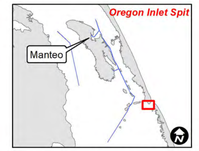
WAYPOINTS

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2021-01-20	75° 31.806' W	35° 46.589' N
OIB - WAYPOINT 2	2021-01-19	75° 31.986' W	35° 46.091' N
OIB - WAYPOINT 3	2021-01-19	75° 32.147' W	35° 46.165' N
OIB - WAYPOINT 4	2021-01-19	75° 32.751' W	35° 46.693' N
OIB - WAYPOINT 5	2021-01-19	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-01-19	75° 33.147' W	35° 46.748' N

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA





SURVEYED BY: SSS, DCH
MAPPED BY: K7OPNAGF
PROCESSED BY: K7OPNAGF
MAP SCALE: 1:3,000
SURVEY DATE: 19 & 20 JANUARY 2021
MAP DATE: 21 JANUARY 2021
IMAGERY DATE: 13 JANUARY 2021
MAP FILE NAME: MN_01_OIB_20210120_CS
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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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°48'0"N 35°47'40"N 35°47'20"N 35°47'0"N 35°46'40"N

Bodie Island

Matchline
Oregon Inlet Bar Map

WAYPOINT 6

WAYPOINT 5

WAYPOINT 4

WAYPOINT 3

WAYPOINT 2

WAYPOINT 1

Matchline
Oregon Inlet West Range 2-6 Map

Basnight Bridge

AREA OUTSIDE DASHED WHITE PERIMETER
SURVEY DATE: 07 DECEMBER 2020

Oregon Inlet Spit

Oregon Inlet West Range 1

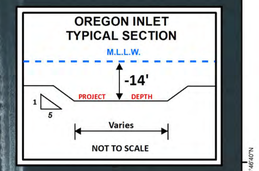
AREA INSIDE DASHED WHITE PERIMETER
SURVEY DATE: 19 JANUARY 2021

Pea Island

24 25 23 21A 21 19 17 16 15 13 11

146 145 144 143 142 141 140 139 138 137 136 135 134 133 132 131 130 29 28 27 26 25 24 23 22 21 20 19

OREGON INLET
TYPICAL SECTION



LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Line
	Matchlines

1:3,000

200 100 0 200 400 600 800 Feet

NOTES:

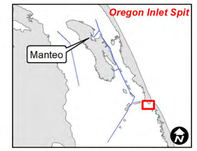
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WAYPOINTS

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OIB - WAYPOINT 5	2021-01-19	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 6	2021-01-19	75° 33.147' W	35° 46.748' N

US Army Corps of Engineers
Wilmington District





SURVEYED BY: SSS, DCH
SURVEY DATE: 07 DECEMBER 2020 & 19 JANUARY 2021

MAPPED BY: K7OPNAGF
MAP DATE: 20 JANUARY 2021

PROCESSED BY: K7OPNAGF

MAP SCALE: 1:3,000

IMAGERY DATE: 13 JANUARY 2021

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MAP FILE NAME: MN_01_OIB_20210119_CS

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

75°33'0"W 75°32'40"W 75°32'20"W 75°32'0"W 75°31'40"W

35°46'40"N 35°46'20"N 35°46'0"N 35°45'40"N 35°45'20"N

Bodie Island

Matchline
Oregon Inlet Bar Map

Pea Island

WAYPOINT 6
WAYPOINT 5
WAYPOINT 4
WAYPOINT 3
WAYPOINT 2
WAYPOINT 1

Basnight Bridge

AREA OUTSIDE DASHED WHITE PERIMETER
SURVEY DATE: 07 DECEMBER 2020

Oregon Inlet Spit

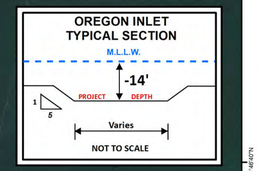
Oregon Inlet West Range 1
AREA INSIDE DASHED WHITE PERIMETER
SURVEY DATE: 04 JANUARY 2021

Matchline
Oregon Inlet West Range 2-6 Map

24 25 23 21A 21 19 17 16 13 11 15

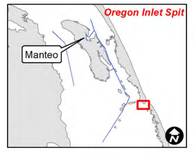
146 145 144 143 142 141 140 139 138 137 136 135 134 133 132 131 130 29 28 27 26 25 24 23 22 21 20 19

OREGON INLET
TYPICAL SECTION



US Army Corps
of Engineers
Wilmington District





LEGEND

Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
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1:3,000
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SURVEY DATE: 07 DECEMBER 2020 & 04 JANUARY 2021
MAPPED BY: K7OPNAGF
MAP DATE: 05 JANUARY 2021
PROCESSED BY: K7OPNAGF
MAP SCALE: 1:3,000
IMAGERY DATE: 25 JULY 2020
MAP FILE NAME: MN_01_OIB_20210104_CS
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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