

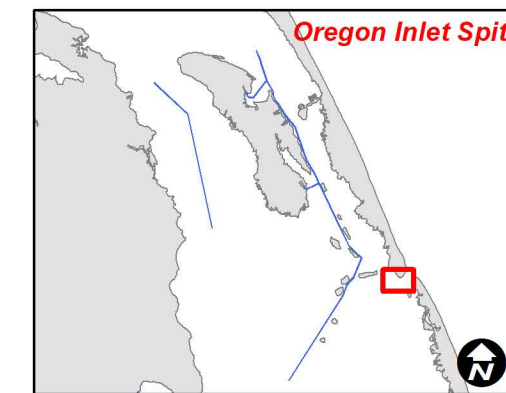
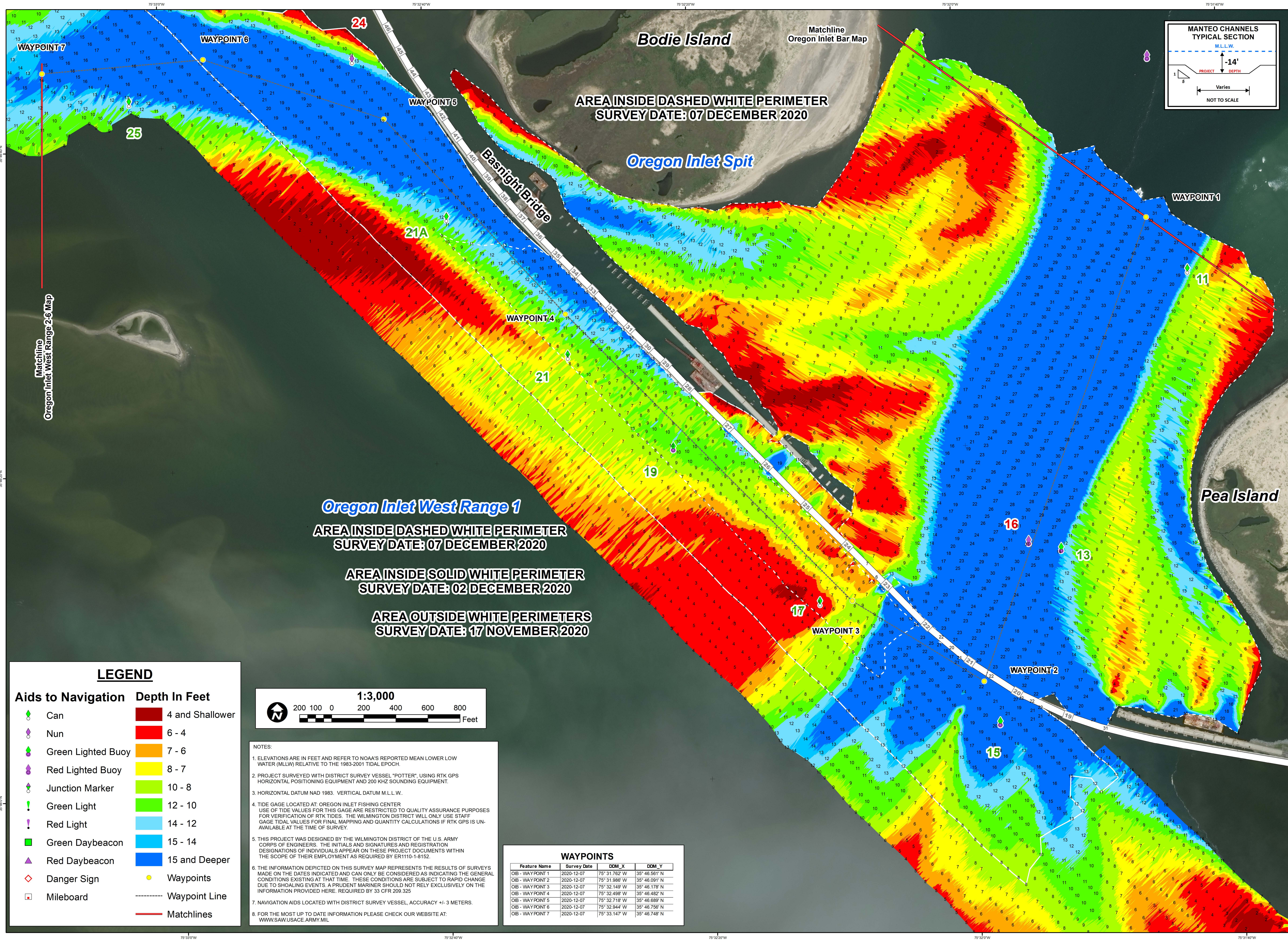
SURVEY DATE: 07 & 09 DECEMBER 2020	SURVEYED BY: SSS, DCH
MAP DATE: 10 DECEMBER 2020	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,000	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 25 JULY 2020	
© 2020 DIGITAL GLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20201209_CS

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



SURVEY DATE: 02 & 07 DECEMBER & 17 NOVEMBER 2020	SURVEYED BY: SSS, DCH, RDB
MAP DATE: 08 DECEMBER 2020	MAPPED BY: K7OPNAGF
	PROCESSED BY: K7OPNAGF
MAP SCALE: 1:3,000	
IMAGERY DATE: 25 JULY 2020	
© 2020 DIGITALGLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20201207_CS

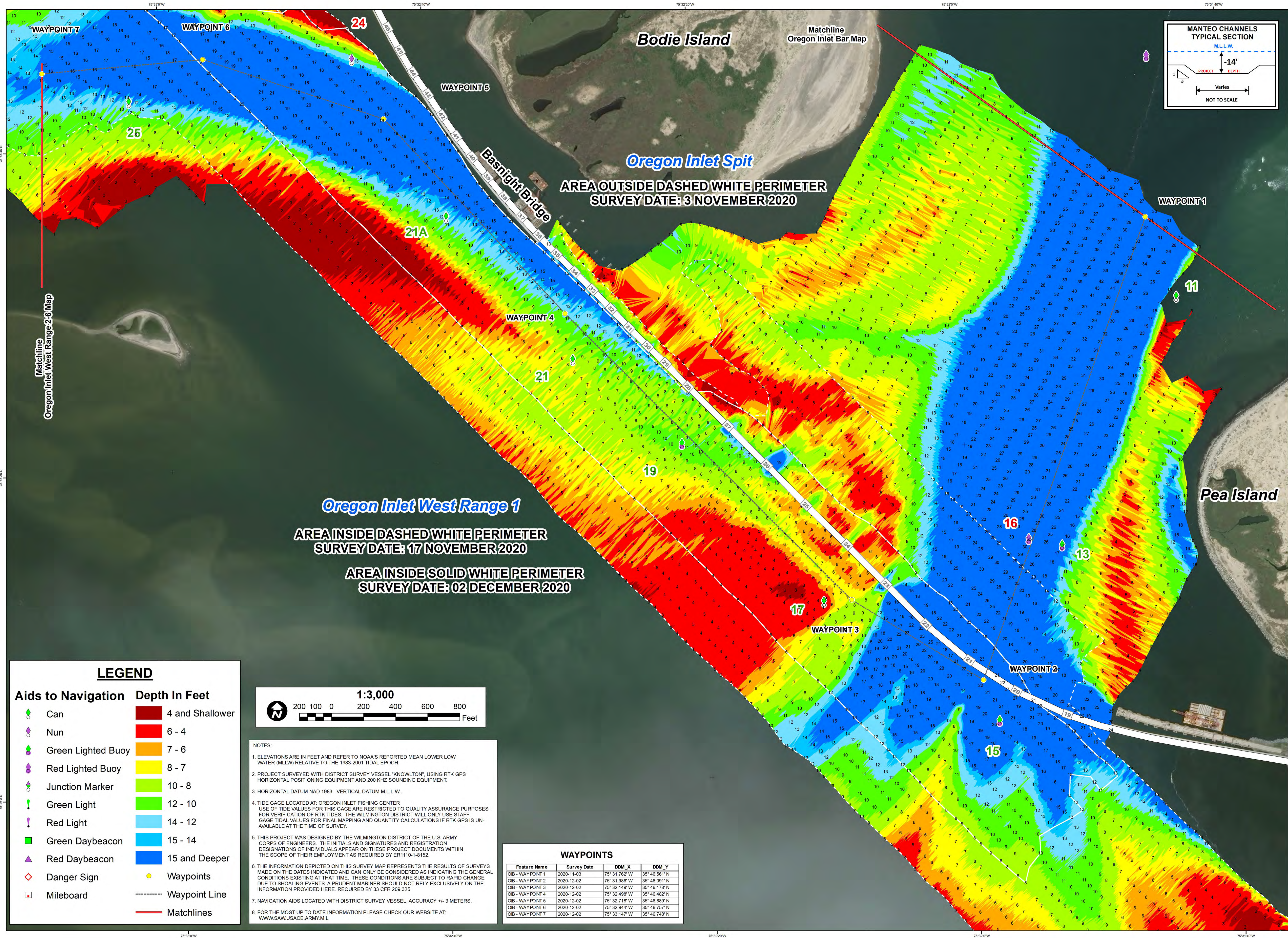
HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS

Oregon Inlet Spit

Oregon Inlet West 1

MANTEO, NORTH CAROLINA

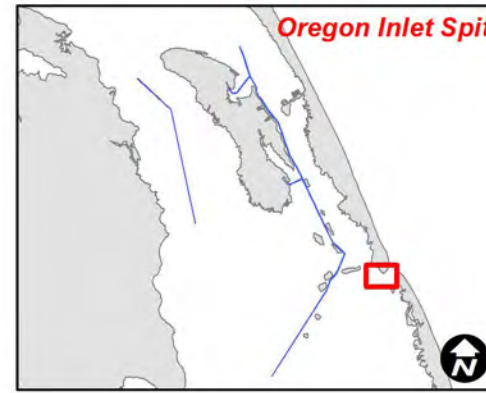




**US Army Corps
of Engineers**
Wilmington District

NORTH CAROLINA



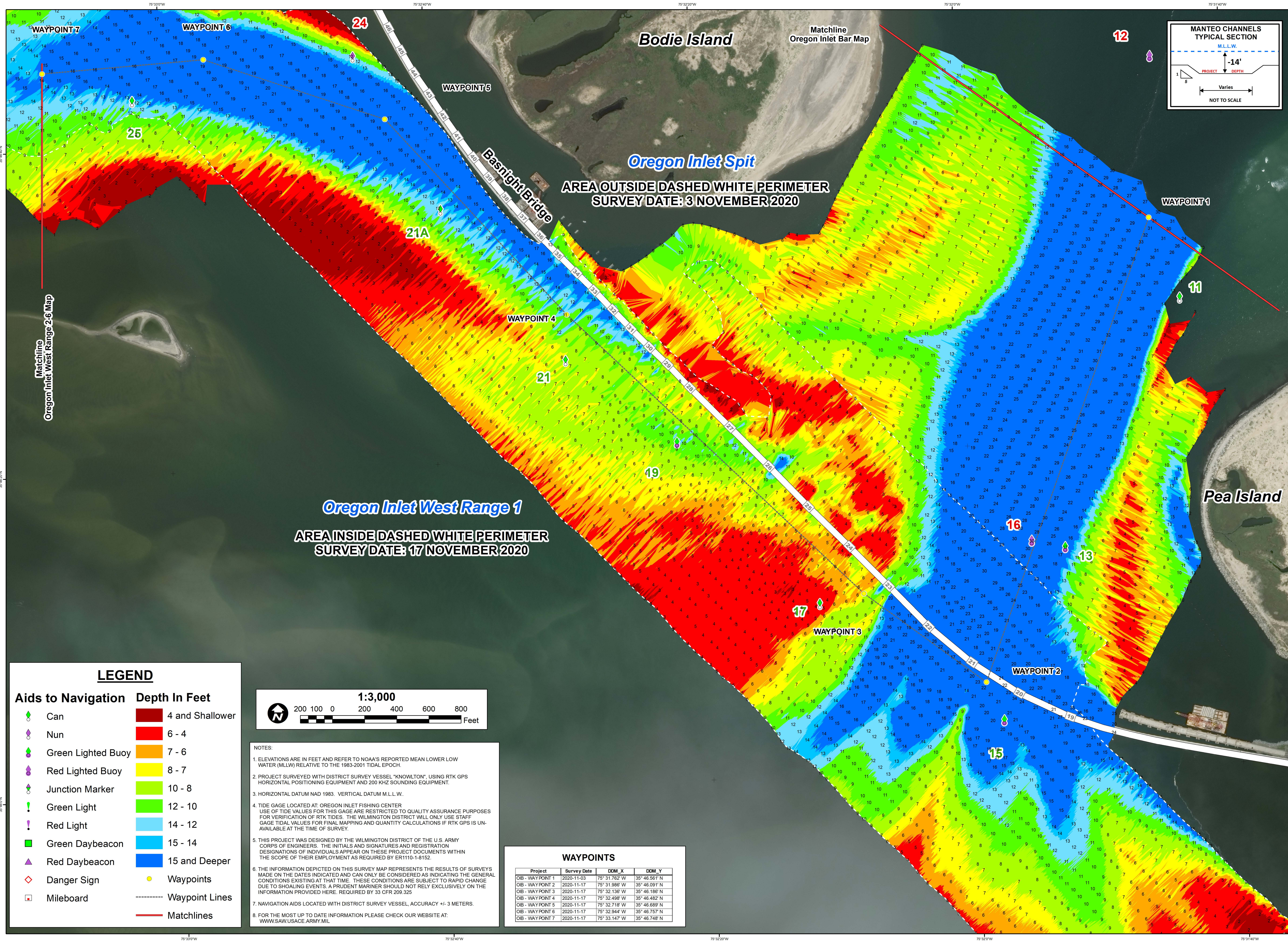


SURVEY DATE: 03 & 17 NOVEMBER, 02 DECEMBER 2020	SURVEYED BY: SSS, V.J.C., RDB
MAP DATE: 04 DECEMBER 2020	MAPPED BY: K7OPNURA
MAP SCALE: 1:3,000	PROCESSED BY: K7OPNAGF
IMAGERY DATE: 25 JULY 2020	
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HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS

Oregon Inlet Spit
Oregon Inlet West 1
MANTEO, NORTH CAROLINA



LEGEND

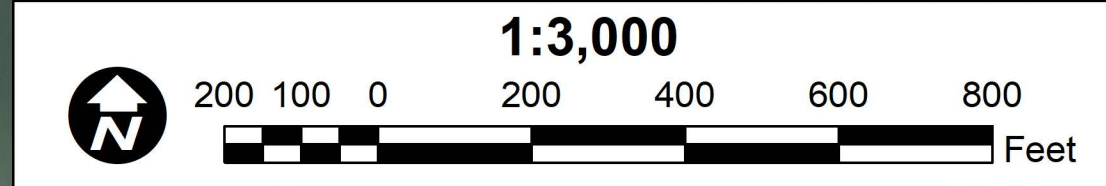
Aids to Navigation

- 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



- 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 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 UNAVAILABLE AT THE TIME OF SURVEY.
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 - 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

WAYPOINTS			
Project	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2020-11-03	75° 31.762' W	35° 46.561' N
OIB - WAYPOINT 2	2020-11-17	75° 31.986' W	35° 46.091' N
OIB - WAYPOINT 3	2020-11-17	75° 32.136' W	35° 46.186' N
OIB - WAYPOINT 4	2020-11-17	75° 32.498' W	35° 46.482' N
OIB - WAYPOINT 5	2020-11-17	75° 32.718' W	35° 46.689' N
OIB - WAYPOINT 6	2020-11-17	75° 32.944' W	35° 46.757' N
OIB - WAYPOINT 7	2020-11-17	75° 33.147' W	35° 46.748' N

US Army Corps of Engineers

Wilmington District

NORTH CAROLINA

SURVEYED BY: SSS, VJC	SURVEY DATE: 03 & 17 NOVEMBER 2020
MAPPED BY: K7OPNAGF	MAP DATE: 18 NOVEMBER 2020
PROCESSED BY: K7OPNAGF	
MAP SCALE: 1:3,000	
IMAGERY DATE: 25 JULY 2020	
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MAP FILE NAME: MN_01_OIB_20201117_CS	

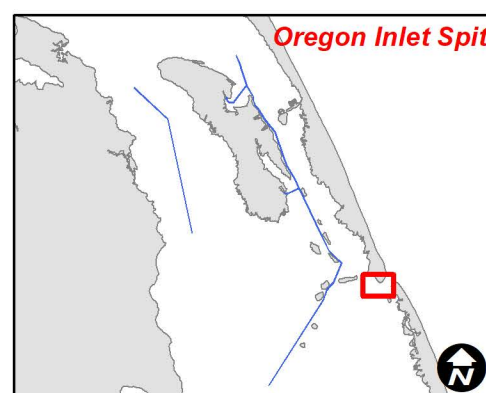
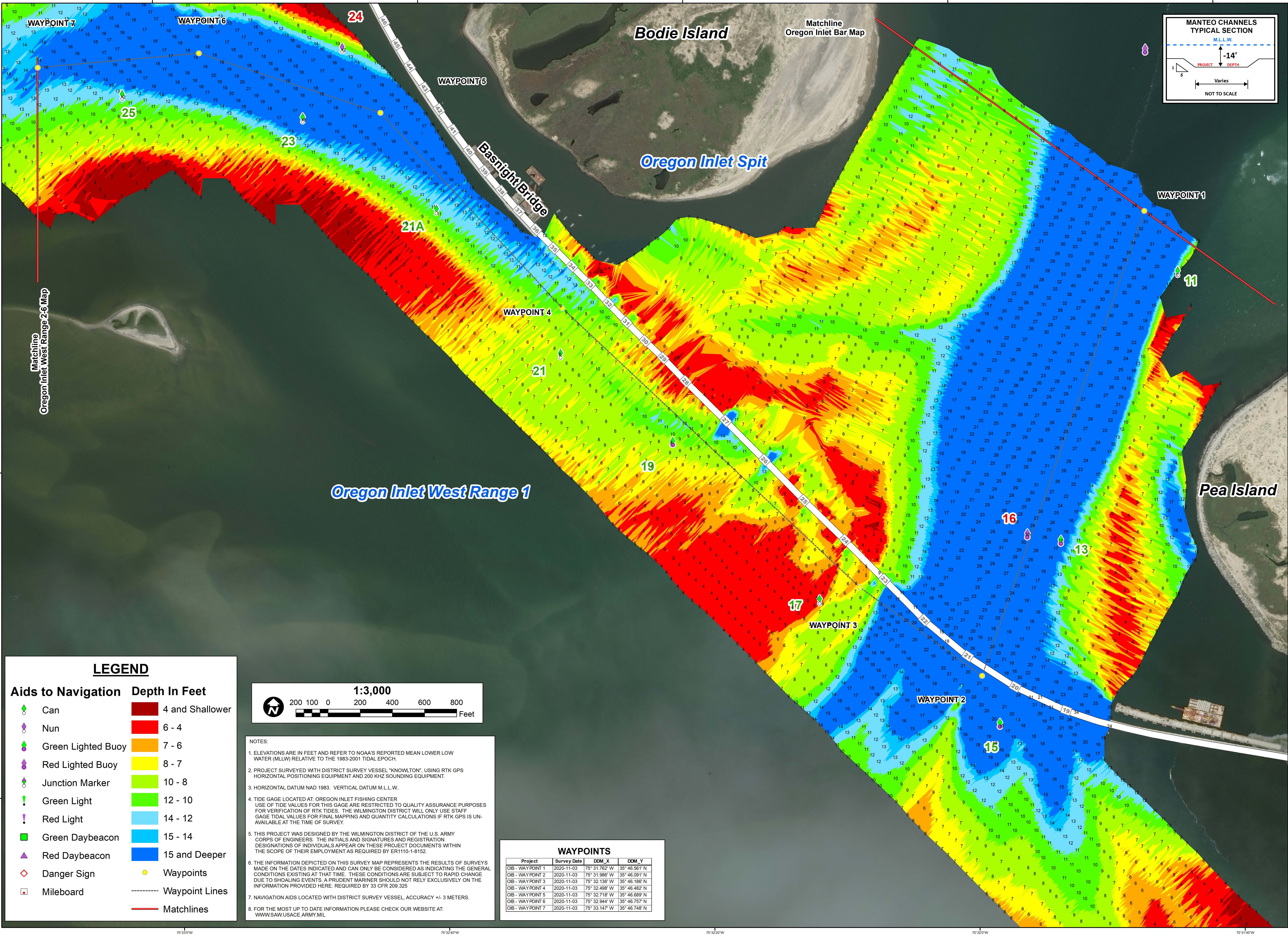
HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS

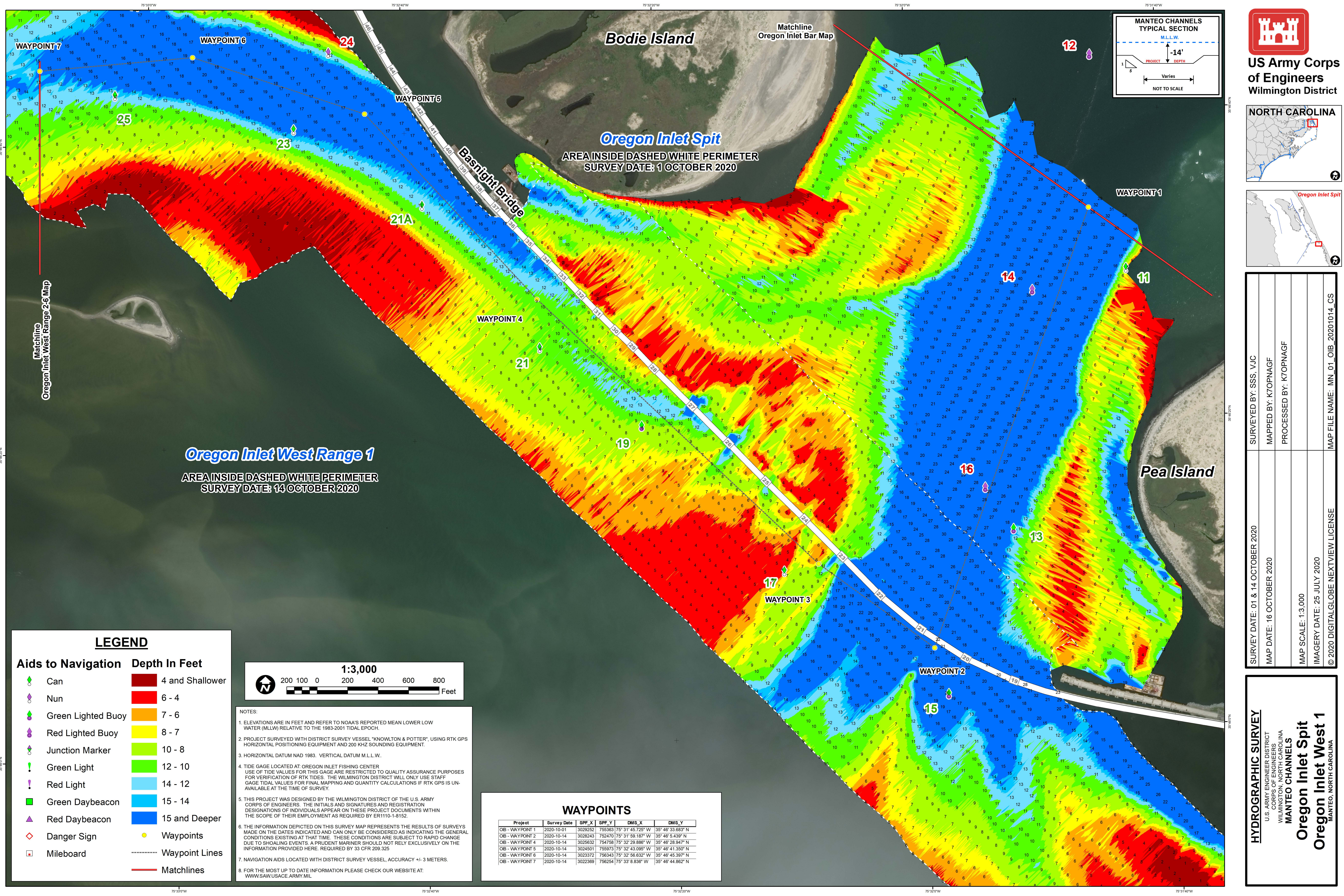
Oregon Inlet Spit

Oregon Inlet West 1

MANTEO, NORTH CAROLINA



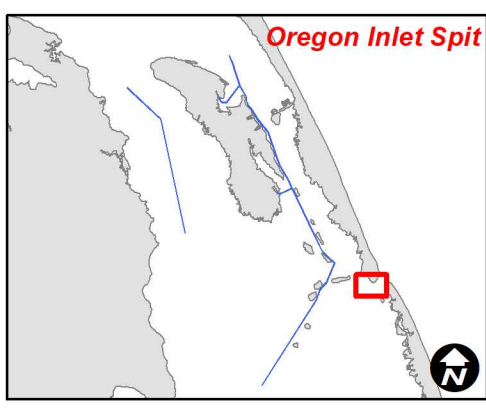
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MAP DATE: 05 NOVEMBER 2020	MAPPED BY: K7OPNAGF
MAP SCALE: 1:3,000	PROCESSED BY: K7OPNAGF
IMAGERY DATE: 25 JULY 2020	
© 2020 DIGITALGLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20201103_CS





**US Army Corps
of Engineers**
Wilmington District

NORTH CAROLINA

SURVEYED BY: SSS, VJC	SURVEY DATE: 01 & 14 OCTOBER 2020
MAPPED BY: KTOPNAGF	MAP DATE: 16 OCTOBER 2020
PROCESSED BY: KTOPNAGF	
MAP SCALE: 1:3,000	
IMAGERY DATE: 25 JULY 2020	
© 2020 DIGITALGLOBE NEXTVIEW LICENSE	
MAP FILE NAME: MN_01_OIB_20201014_CS	

LEGEND

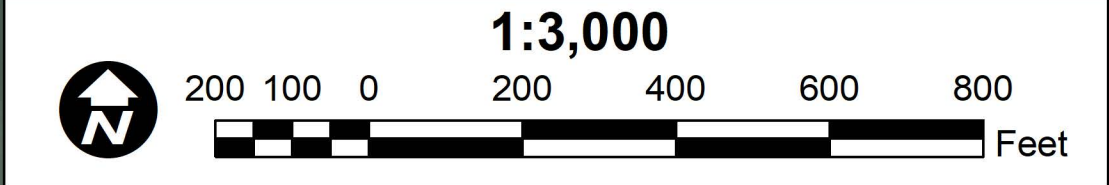
Aids to Navigation

- 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



NOTES:

- 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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- HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W.
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- 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

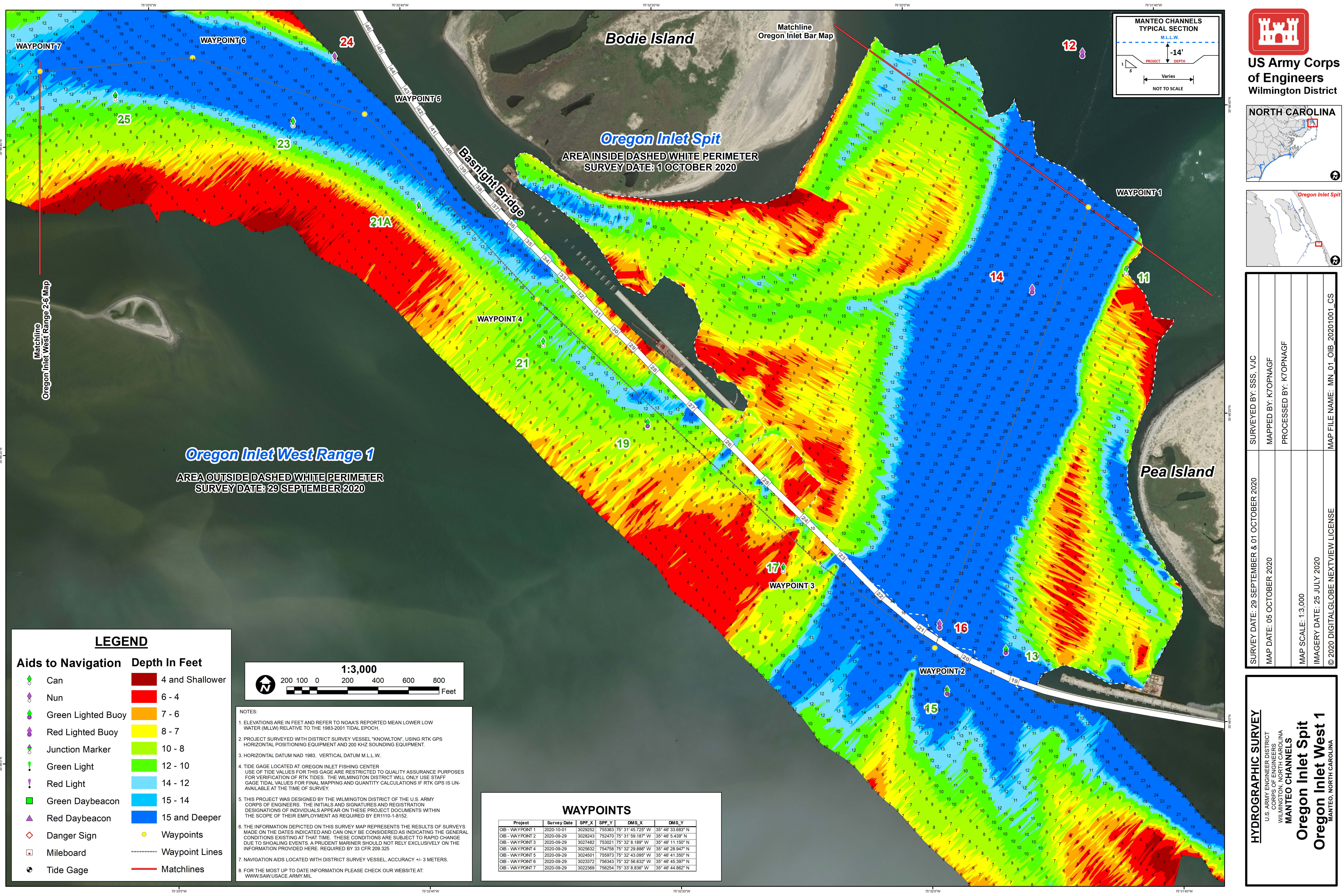
WAYPOINTS					
Project	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
OIB - WAYPOINT 1	2020-10-01	3029252	755383	75° 31' 45.725" W	35° 46' 33.683" N
OIB - WAYPOINT 2	2020-10-14	3028243	752470	75° 31' 59.187" W	35° 46' 5.439" N
OIB - WAYPOINT 4	2020-10-14	3029632	754758	75° 32' 29.886" W	35° 46' 28.947" N
OIB - WAYPOINT 5	2020-10-14	3024501	755973	75° 32' 43.095" W	35° 46' 41.350" N
OIB - WAYPOINT 6	2020-10-14	3023372	756343	75° 32' 56.632" W	35° 46' 45.387" N
OIB - WAYPOINT 7	2020-10-14	3022369	756254	75° 33' 8.836" W	35° 46' 44.862" N

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



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
- Tide Gage

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

200 100 0 200 400 600 800

Feet

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 UNAVAILABLE 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

WAYPOINTS					
Project	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
OIB - WAYPOINT 1	2020-10-01	3029252	755363	75° 31' 45.725" W	35° 46' 33.683" N
OIB - WAYPOINT 2	2020-09-29	3028243	752470	75° 31' 59.187" W	35° 46' 5.439" N
OIB - WAYPOINT 3	2020-09-29	3027482	753021	75° 32' 8.189" W	35° 46' 11.150" N
OIB - WAYPOINT 4	2020-09-29	3025632	754158	75° 32' 28.889" W	35° 46' 28.947" N
OIB - WAYPOINT 5	2020-09-29	3024501	755873	75° 32' 43.089" W	35° 46' 41.350" N
OIB - WAYPOINT 6	2020-09-29	3023372	756343	75° 32' 56.632" W	35° 46' 45.397" N
OIB - WAYPOINT 7	2020-09-29	3022369	756254	75° 33' 8.836" W	35° 46' 44.862" N

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA

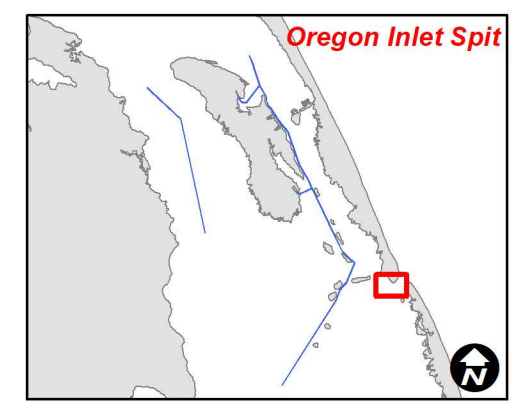
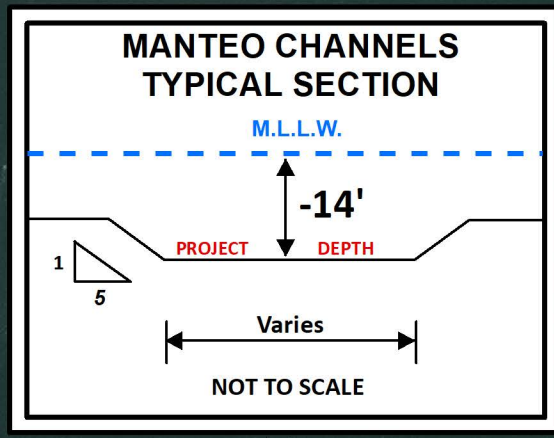
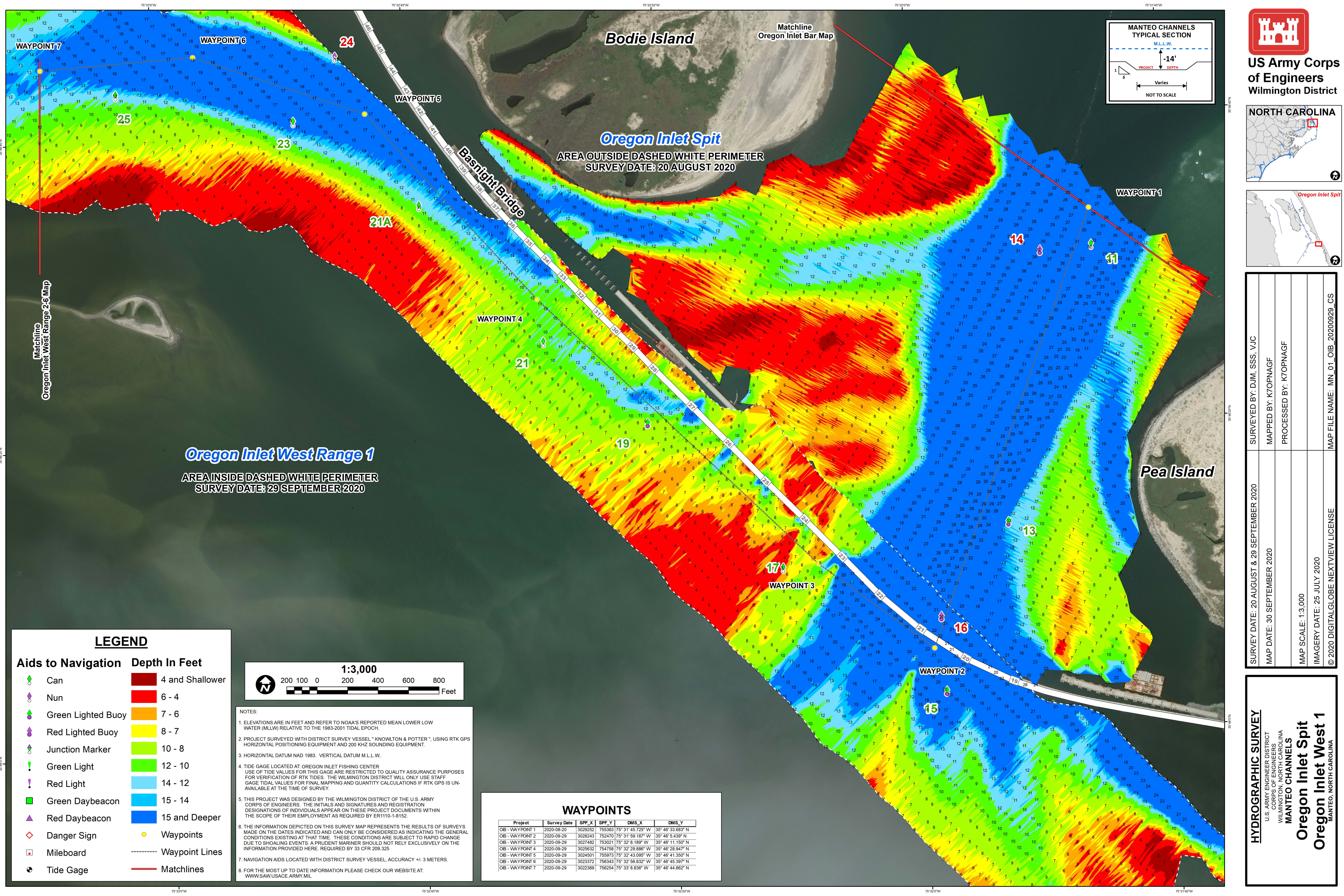
Oregon Inlet Spit

SURVEYED BY: SSS, VJC	SURVEY DATE: 29 SEPTEMBER & 01 OCTOBER 2020
MAPPED BY: KTOPNAGF	MAP DATE: 05 OCTOBER 2020
PROCESSED BY: KTOPNAGF	
MAP SCALE: 1:3,000	
IMAGERY DATE: 25 JULY 2020	
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MAP FILE NAME: MN_01_OIB_20201001_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



LEGEND

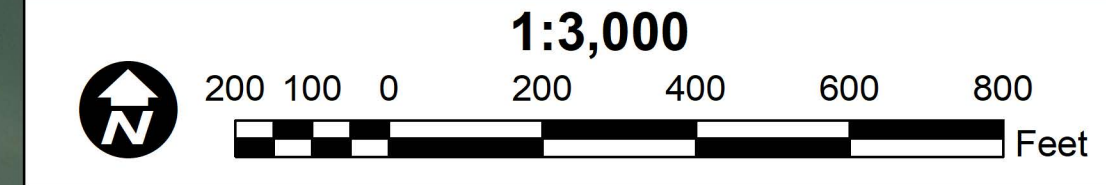
Aids to Navigation

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

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



- NOTES:
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WAYPOINTS					
Project	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
OIB - WAYPOINT 1	2020-08-20	3029252	755383	75° 31' 45.725" W	35° 46' 33.683" N
OIB - WAYPOINT 2	2020-09-29	3028243	752470	75° 31' 59.187" W	35° 46' 5.439" N
OIB - WAYPOINT 3	2020-09-29	3027482	753021	75° 32' 8.189" W	35° 46' 11.150" N
OIB - WAYPOINT 4	2020-09-29	3026632	754758	75° 32' 28.889" W	35° 46' 28.947" N
OIB - WAYPOINT 5	2020-09-29	3024501	755873	75° 32' 43.065" W	35° 46' 41.350" N
OIB - WAYPOINT 6	2020-09-29	3023372	756343	75° 32' 56.632" W	35° 46' 45.387" N
OIB - WAYPOINT 7	2020-09-29	3022369	756254	75° 33' 8.836" W	35° 46' 44.862" N

SURVEY DATE: 20 AUGUST & 29 SEPTEMBER 2020	SURVEYED BY: DJM, SSS, VJC
MAP DATE: 30 SEPTEMBER 2020	MAPPED BY: KTOPNAGF
	PROCESSED BY: KTOPNAGF
MAP SCALE: 1:3,000	
IMAGERY DATE: 25 JULY 2020	
© 2020 DIGITALGLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20200929_CS

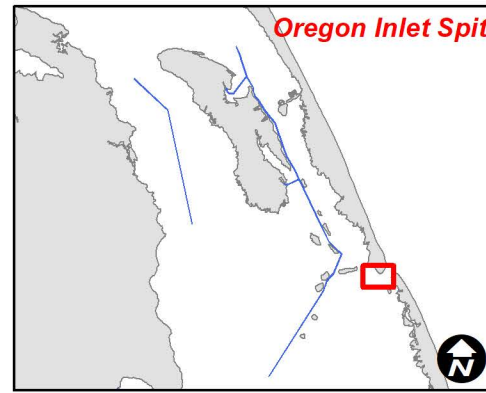
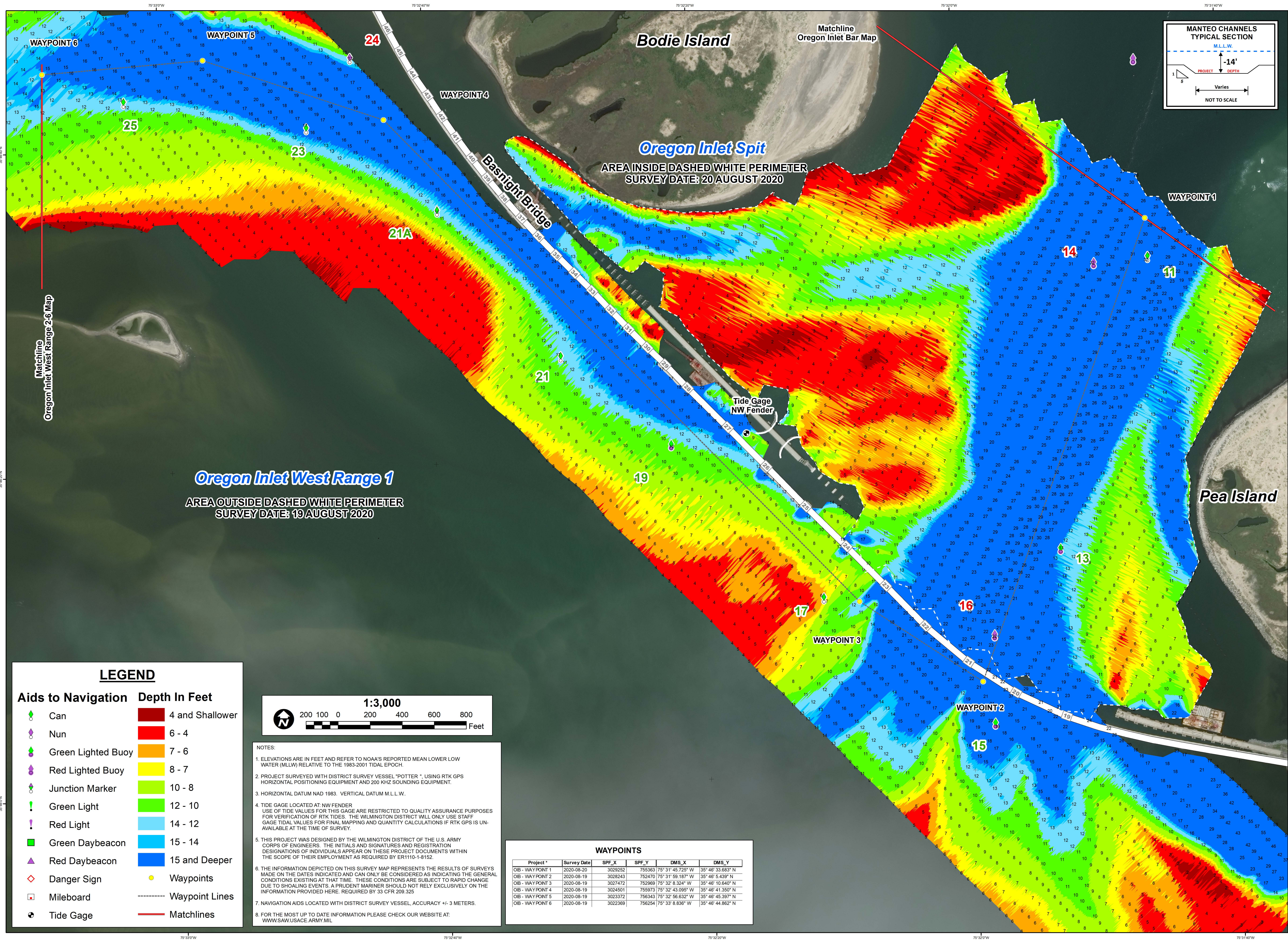
HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS

Oregon Inlet Spit

Oregon Inlet West 1

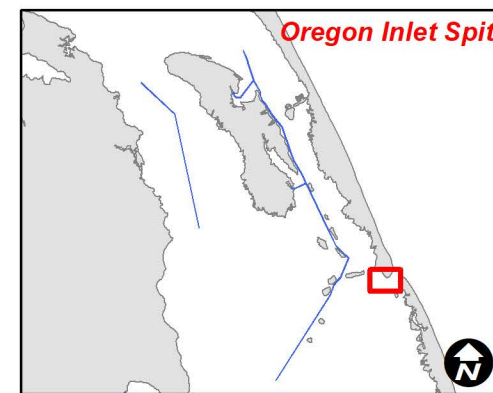
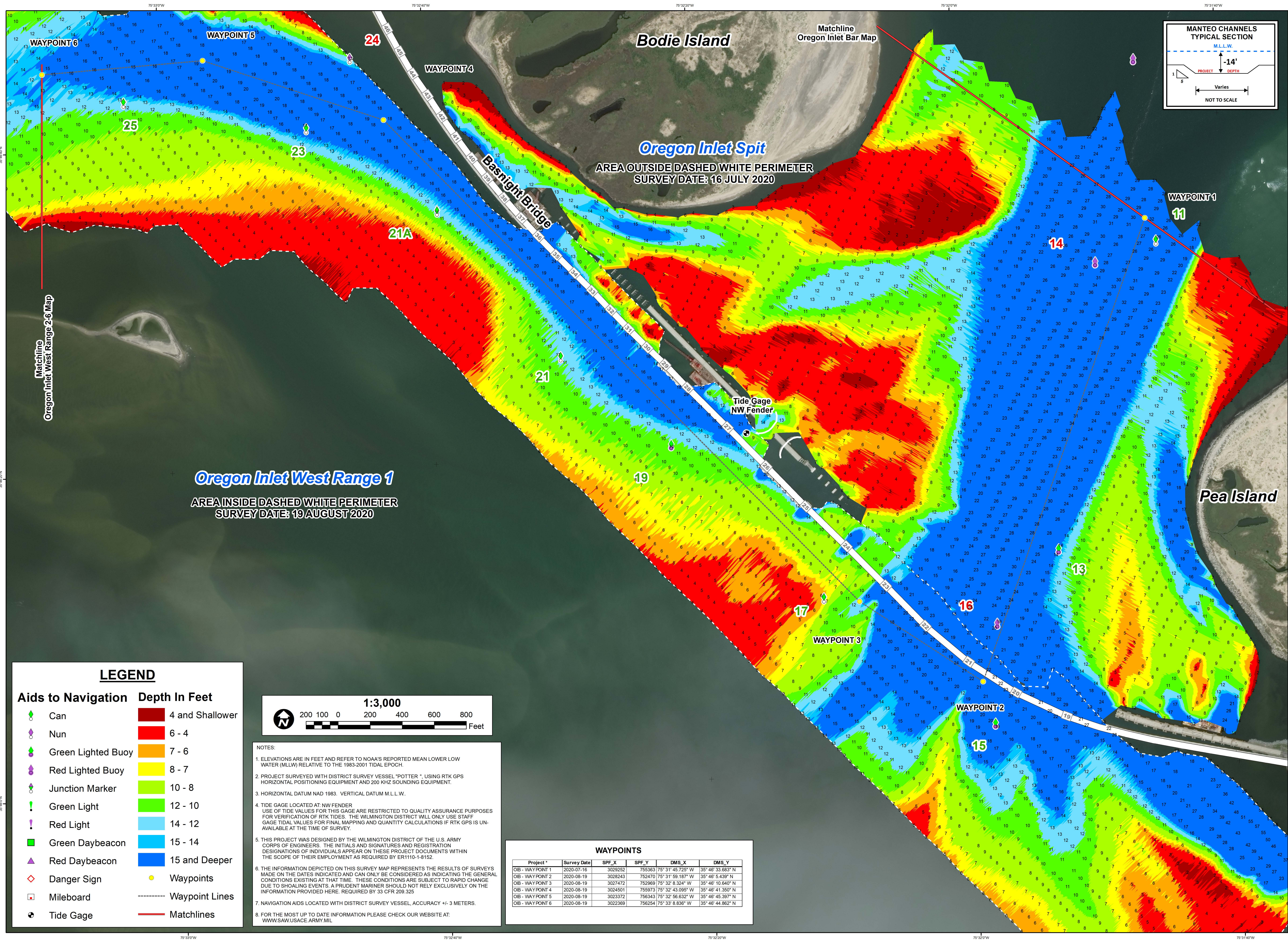
MANTEO, NORTH CAROLINA



SURVEYED BY: DJM, SSS	SURVEY DATE: 19 & 20 AUGUST 2020
MAPPED BY: KTOPNAGF	MAP DATE: 21 AUGUST 2020
PROCESSED BY: KTOPNAGF	
MAP SCALE: 1:3,000	
IMAGERY DATE: 25 JULY 2020	
MAP FILE NAME: MN_01_OIB_20200820_CS	© 2020 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

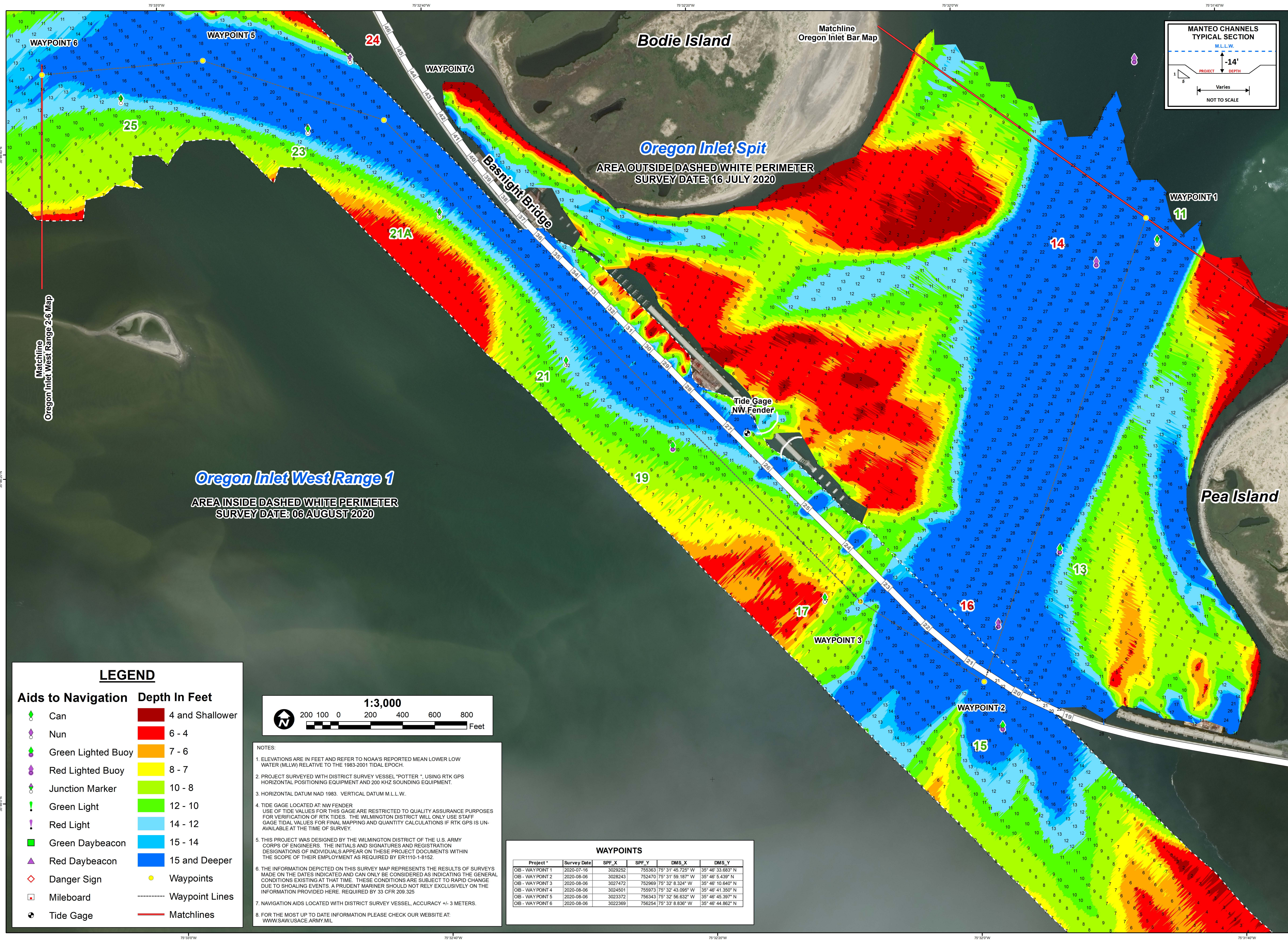


SURVEYED BY: DCH, SSS	SURVEY DATE: 16 JULY & 19 AUGUST 2020
MAPPED BY: KTOPNAGF	MAP DATE: 20 AUGUST 2020
PROCESSED BY: KTOPNAGF	
MAP SCALE: 1:3,000	
IMAGERY DATE: 25 JULY 2020	
© 2020 DIGITALGLOBE NEXTVIEW LICENSE	
MAP FILE NAME: MN_01_OIB_20200819_CS	

HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS

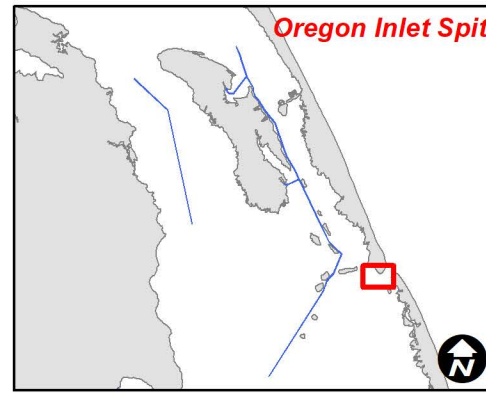
Oregon Inlet Spit
Oregon Inlet West 1
MANTEO, NORTH CAROLINA





**US Army Corps
of Engineers**
Wilmington District

NORTH CAROLINA



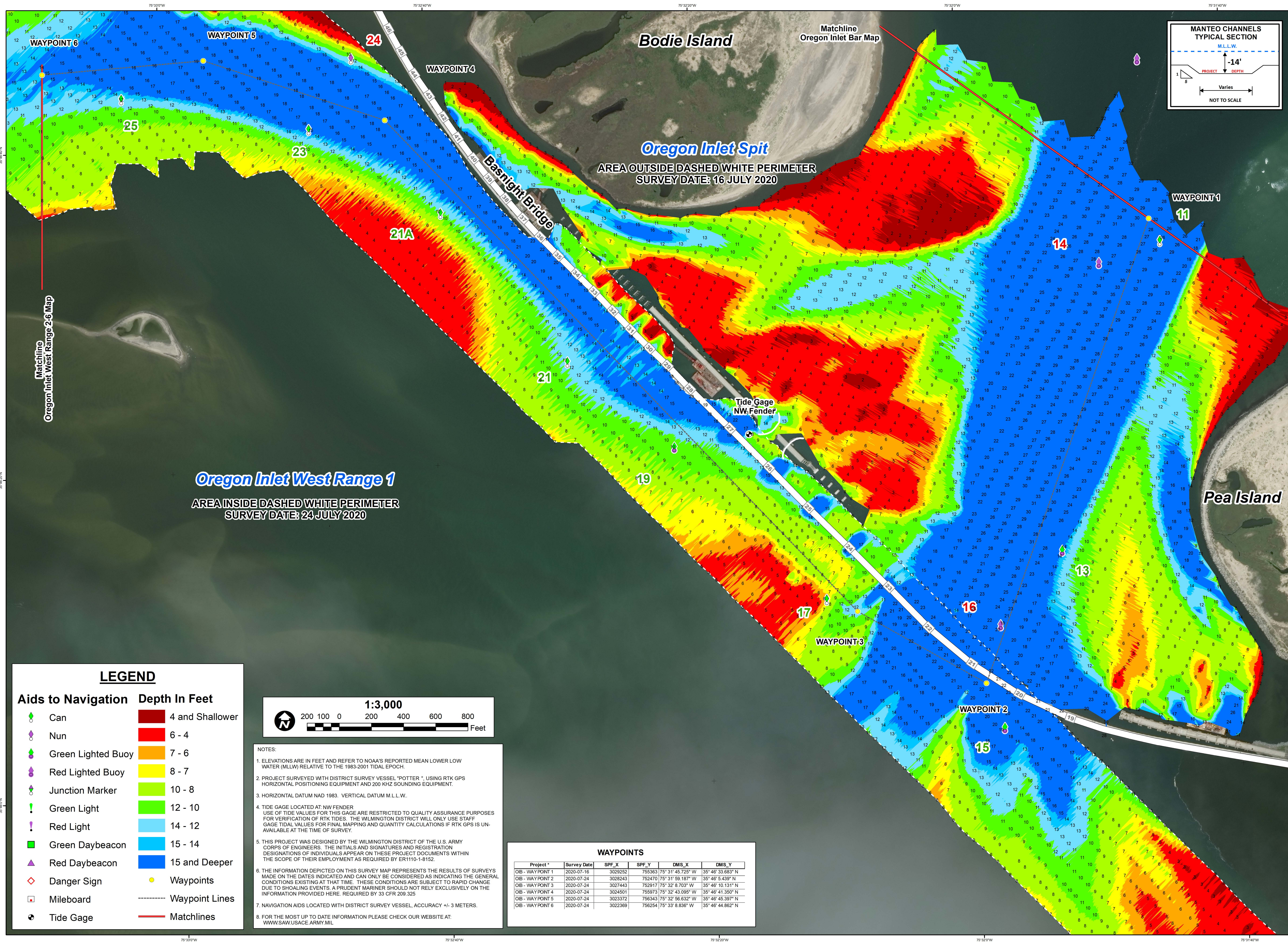
SURVEYED BY: DCH, SSS	SURVEY DATE: 16 JULY & 06 AUGUST 2020
MAPPED BY: K7OPNAGF	MAP DATE: 07 AUGUST 2020
PROCESSED BY: K7OPNAGF	
MAP SCALE: 1:3,000	
IMAGERY DATE: 25 JULY 2020	
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MAP FILE NAME: MN_01_OIB_20200806_CS	

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



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

Tide Gage

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

NOTES:

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WAYPOINTS					
Project *	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
OIB - WAYPOINT 1	2020-07-16	3029252	755363	75° 31' 45.725" W	35° 46' 33.682" N
OIB - WAYPOINT 2	2020-07-24	3028243	752470	75° 31' 59.187" W	35° 46' 5.439" N
OIB - WAYPOINT 3	2020-07-24	3027443	752917	75° 32' 8.703" W	35° 46' 10.131" N
OIB - WAYPOINT 4	2020-07-24	3024501	755973	75° 32' 43.095" W	35° 46' 41.350" N
OIB - WAYPOINT 5	2020-07-24	3023372	756343	75° 32' 56.632" W	35° 46' 45.397" N
OIB - WAYPOINT 6	2020-07-24	3022369	756254	75° 33' 8.836" W	35° 46' 44.862" N

US Army Corps of Engineers
Wilmington District

NORTH CAROLINA

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

Surveyed by: DCH, SSS

Map Date: 27 JULY 2020

Map Scale: 1:3,000

Imagery Date: 25 JUL 2020

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Survey Date: 16 & 24 JULY 2020

Map Date: 27 JULY 2020

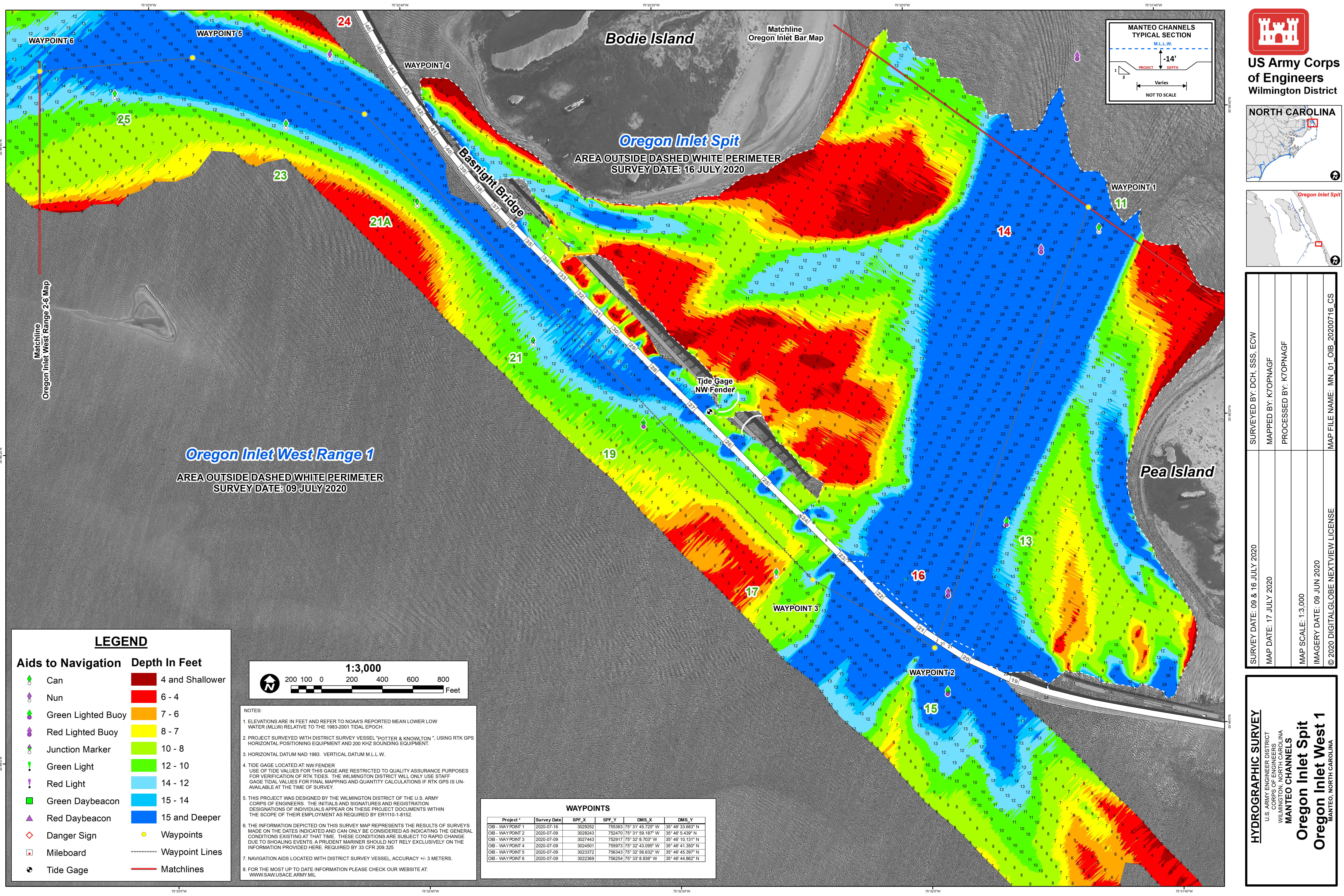
Map Scale: 1:3,000

Imagery Date: 25 JUL 2020

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Map File Name: MN_01_OIB_20200724_CS

Map File Name: MN_01_OIB_20200724_CS



LEGEND

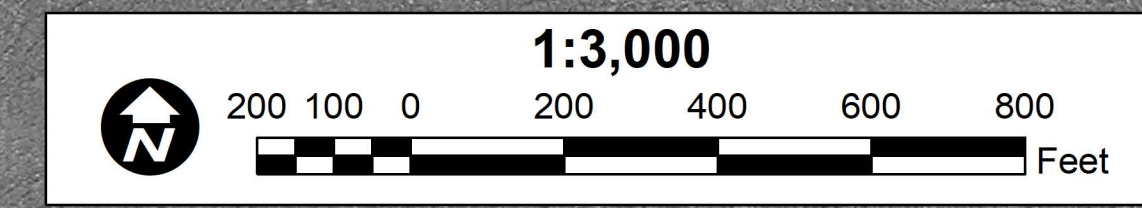
Aids to Navigation

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

Depth In Feet

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

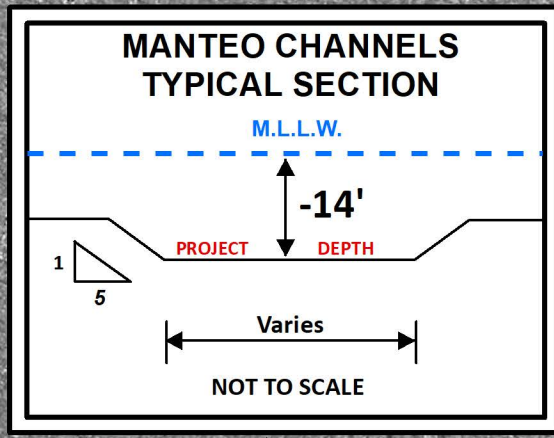
- Waypoints
- Waypoint Lines
- Matchlines



NOTES:

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WAYPOINTS					
Project *	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
OIB - WAYPOINT 1	2020-07-16	3029262	756363	75° 31' 45.725" W	35° 46' 33.683" N
OIB - WAYPOINT 2	2020-07-09	3028243	752470	75° 31' 59.187" W	35° 46' 5.439" N
OIB - WAYPOINT 3	2020-07-09	3027443	752917	75° 32' 8.703" W	35° 46' 10.131" N
OIB - WAYPOINT 4	2020-07-09	3024501	756973	75° 32' 43.095" W	35° 46' 41.350" N
OIB - WAYPOINT 5	2020-07-09	3023372	756343	75° 32' 56.632" W	35° 46' 45.397" N
OIB - WAYPOINT 6	2020-07-09	3022369	756254	75° 33' 8.836" W	35° 46' 44.862" N



US Army Corps of Engineers

Wilmington District

NORTH CAROLINA

Oregon Inlet Spit

SURVEYED BY: DCH, SSS, ECW	SURVEY DATE: 09 & 16 JULY 2020
MAPPED BY: KTOPNAGF	MAP DATE: 17 JULY 2020
PROCESSED BY: KTOPNAGF	
MAP SCALE: 1:3,000	
IMAGERY DATE: 09 JUN 2020	
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MAP FILE NAME: MN_01_OIB_20200716_CS	

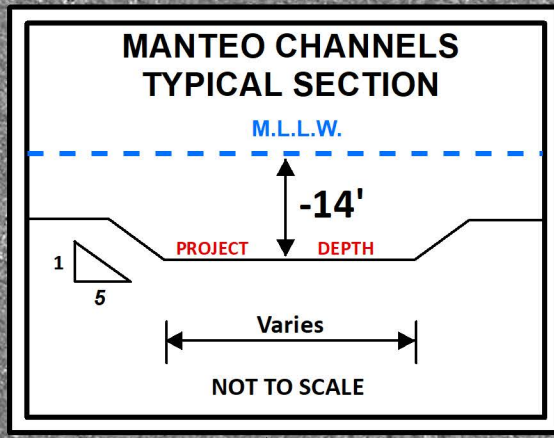
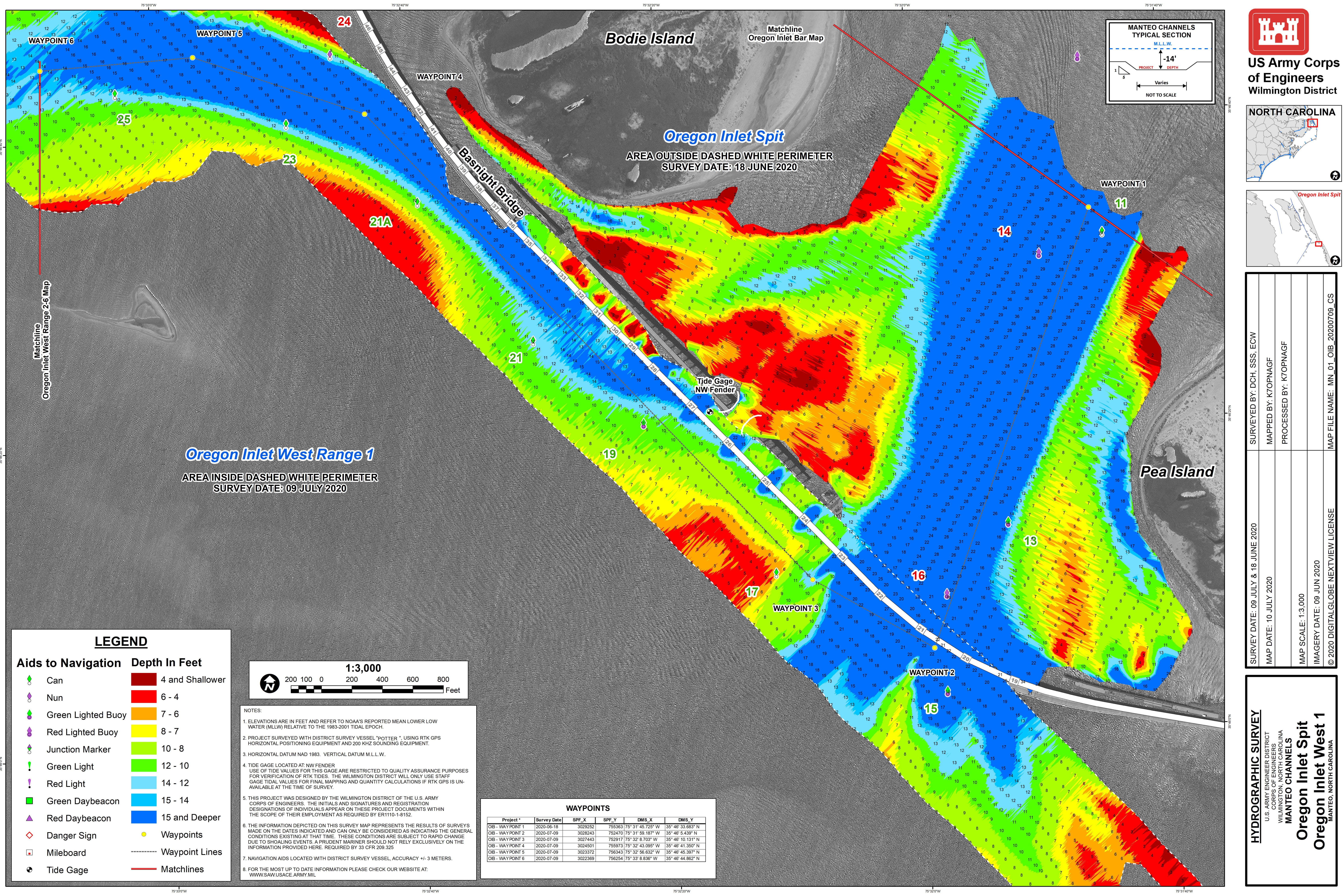
HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTO CHANNELS

Oregon Inlet Spit

Oregon Inlet West 1

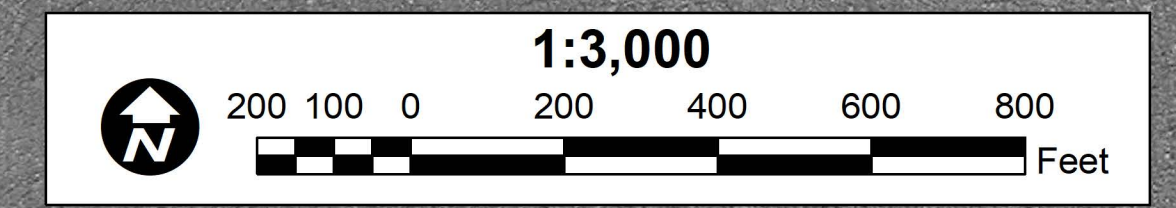
MANTO, NORTH CAROLINA



SURVEYED BY: DCH, SSS, ECW	SURVEY DATE: 09 JULY & 18 JUNE 2020
MAPPED BY: KTOPNAGF	MAP DATE: 10 JULY 2020
PROCESSED BY: KTOPNAGF	
MAP SCALE: 1:3,000	
IMAGERY DATE: 09 JUN 2020	
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MAP FILE NAME: MN_01_OIB_20200709_CS	

LEGEND

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



NOTES:

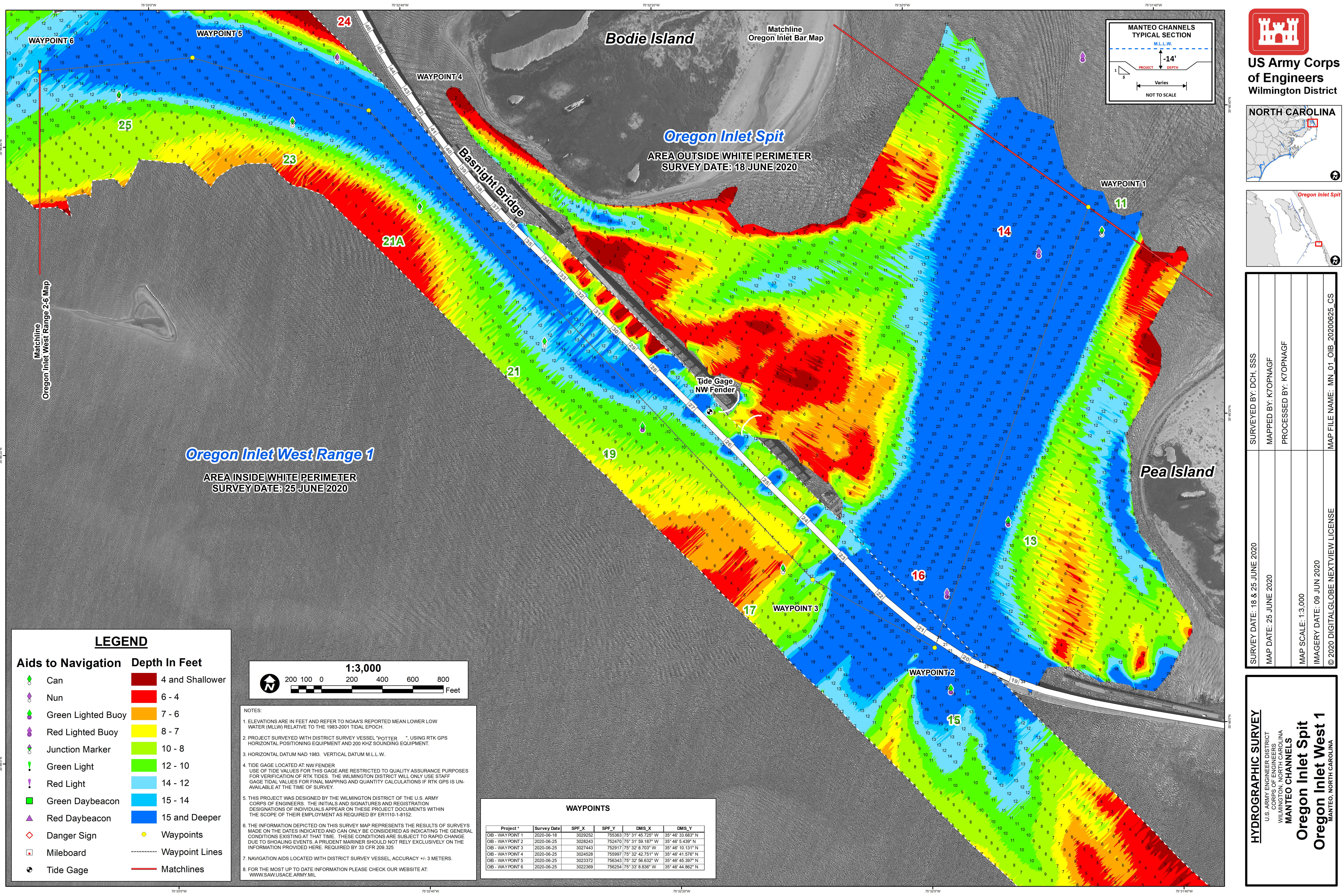
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WAYPOINTS				
Project *	Survey Date	SPF_X	SPF_Y	DMS_X
OIB - WAYPOINT 1	2020-06-18	3029252	756363	75° 31' 46.725" W
OIB - WAYPOINT 2	2020-07-09	3028243	752470	75° 31' 59.187" W
OIB - WAYPOINT 3	2020-07-09	3027443	752917	75° 32' 8.703" W
OIB - WAYPOINT 4	2020-07-09	3024501	756973	75° 32' 43.095" W
OIB - WAYPOINT 5	2020-07-09	3023372	756343	75° 32' 56.632" W
OIB - WAYPOINT 6	2020-07-09	3022369	756254	75° 33' 8.836" W

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



SURVEYED BY: DCH, SSS	SURVEY DATE: 18 & 25 JUNE 2020
MAPPED BY: KTOPNAGF	MAP DATE: 25 JUNE 2020
PROCESSED BY: KTOPNAGF	
MAP SCALE: 1:3,000	
IMAGERY DATE: 09 JUN 2020	
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MAP FILE NAME: MN_01_OIB_20200625_CS	

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
- Tide Gage

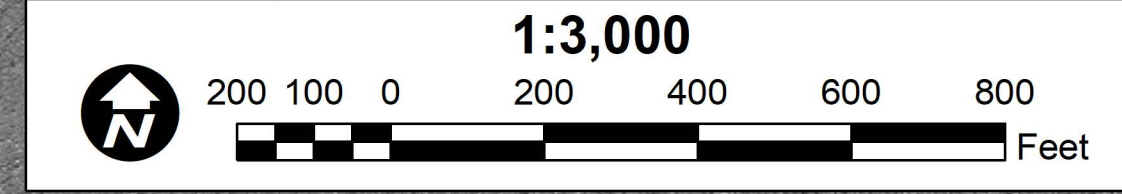
Depth In Feet

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

Waypoints

Waypoint Lines

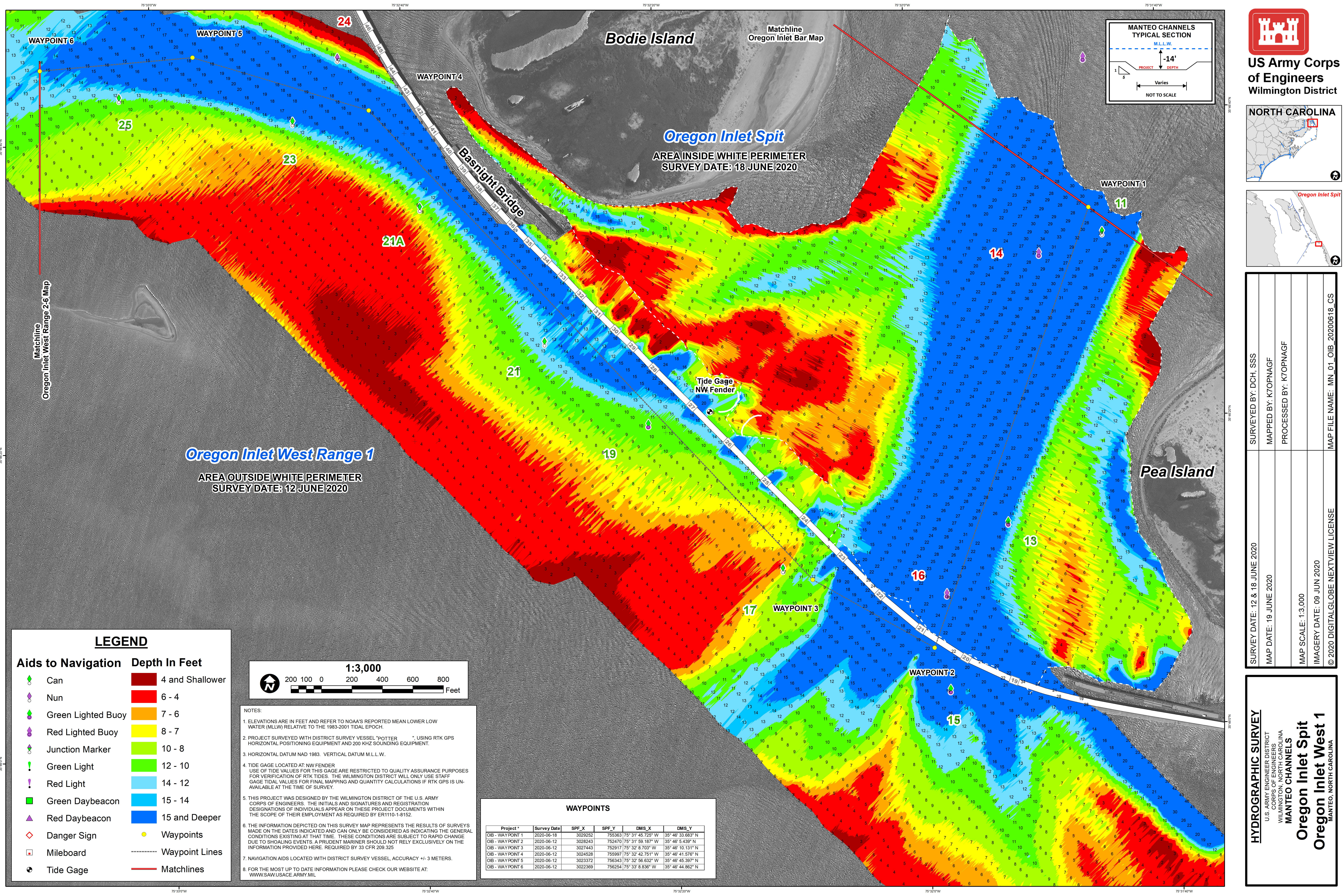
Matchlines



NOTES:

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WAYPOINTS					
Project *	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
OIB - WAYPOINT 1	2020-06-18	3029252	755363	75° 31' 45.725" W	35° 46' 33.883" N
OIB - WAYPOINT 2	2020-06-25	3028243	752470	75° 31' 58.187" W	35° 46' 5.438" N
OIB - WAYPOINT 3	2020-06-25	3027443	752917	75° 32' 8.703" W	35° 46' 10.131" N
OIB - WAYPOINT 4	2020-06-25	3024528	755997	75° 32' 42.751" W	35° 46' 41.576" N
OIB - WAYPOINT 5	2020-06-25	3023372	756343	75° 32' 56.632" W	35° 46' 45.397" N
OIB - WAYPOINT 6	2020-06-25	3022369	756254	75° 33' 8.836" W	35° 46' 44.862" N



LEGEND

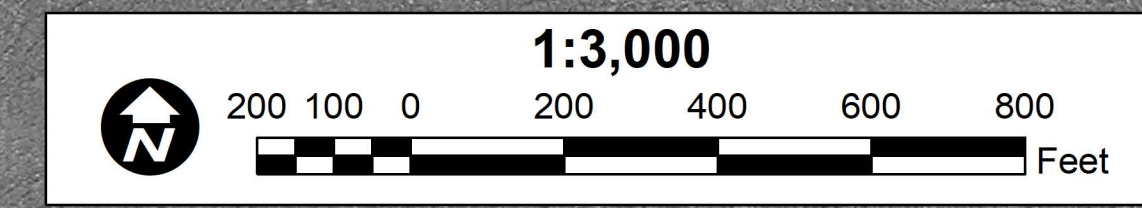
Aids to Navigation

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

Depth In Feet

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

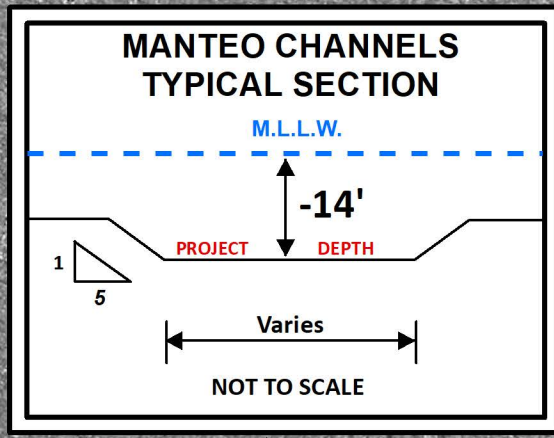
- Waypoints
- Waypoint Lines
- Matchlines



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WAYPOINTS					
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OIB - WAYPOINT 1	2020-06-18	3029252	755363	75° 31' 45.725" W	35° 46' 33.883" N
OIB - WAYPOINT 2	2020-06-12	3028243	752470	75° 31' 58.187" W	35° 46' 5.439" N
OIB - WAYPOINT 3	2020-06-12	3027443	752917	75° 32' 8.703" W	35° 46' 10.131" N
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US Army Corps of Engineers
Wilmington District

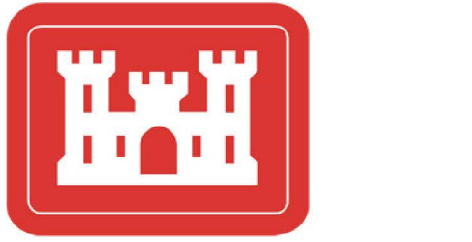
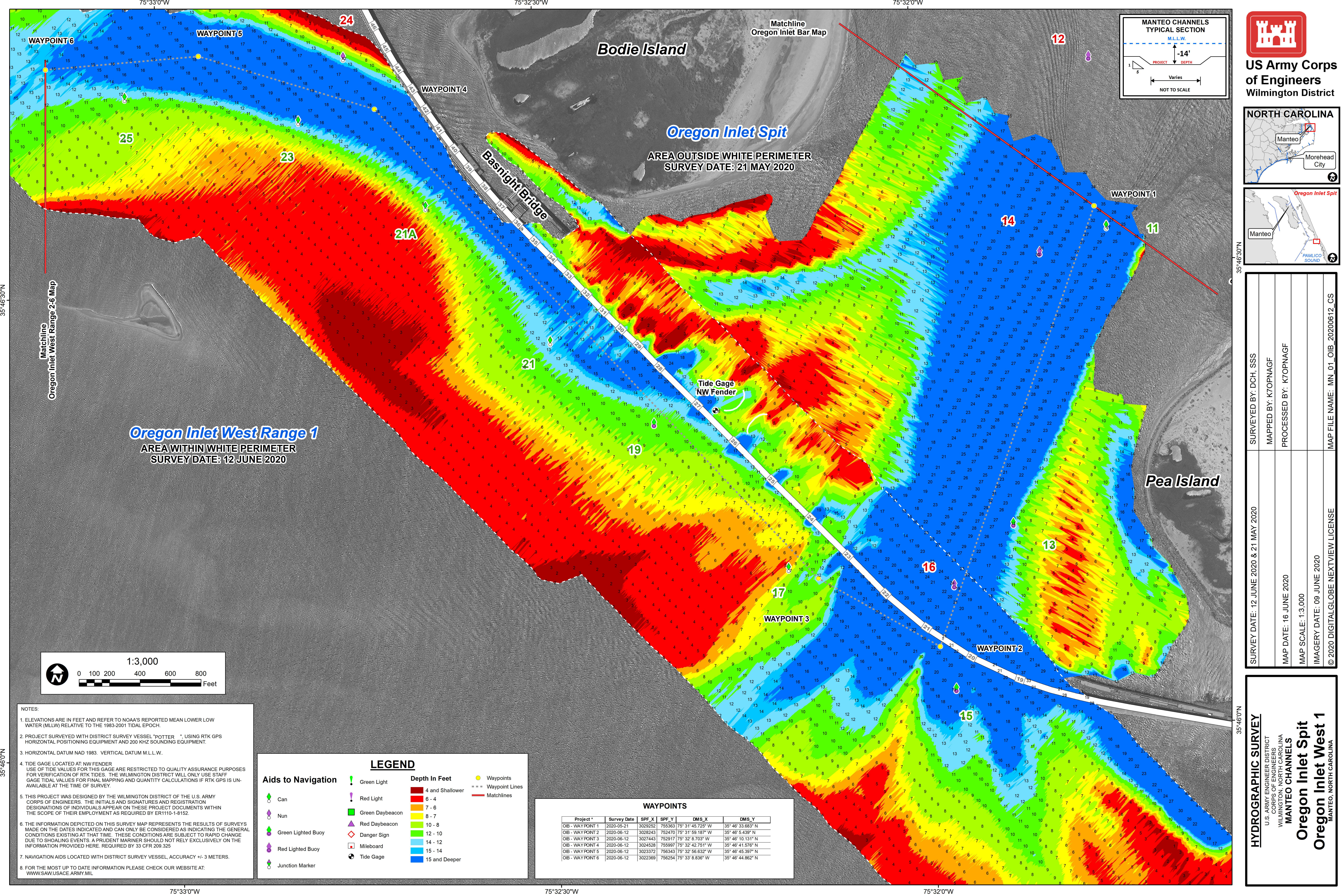
NORTH CAROLINA

Oregon Inlet Spit

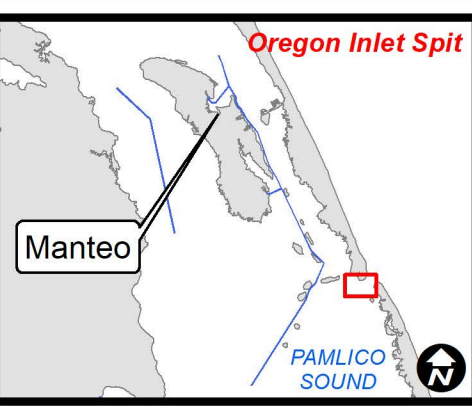
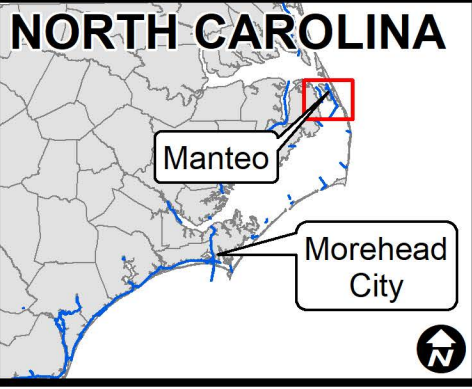
SURVEYED BY: DCH, SSS	© 2020 DIGITALGLOBE NEXTVIEW LICENSE
MAPPED BY: KTOPNAGF	
PROCESSED BY: KTOPNAGF	
MAP SCALE: 1:3,000	

SURVEY DATE: 12 & 18 JUNE 2020	MAP FILE NAME: MN_01_OIB_20200618_CS
MAP DATE: 19 JUNE 2020	
IMAGERY DATE: 09 JUN 2020	

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

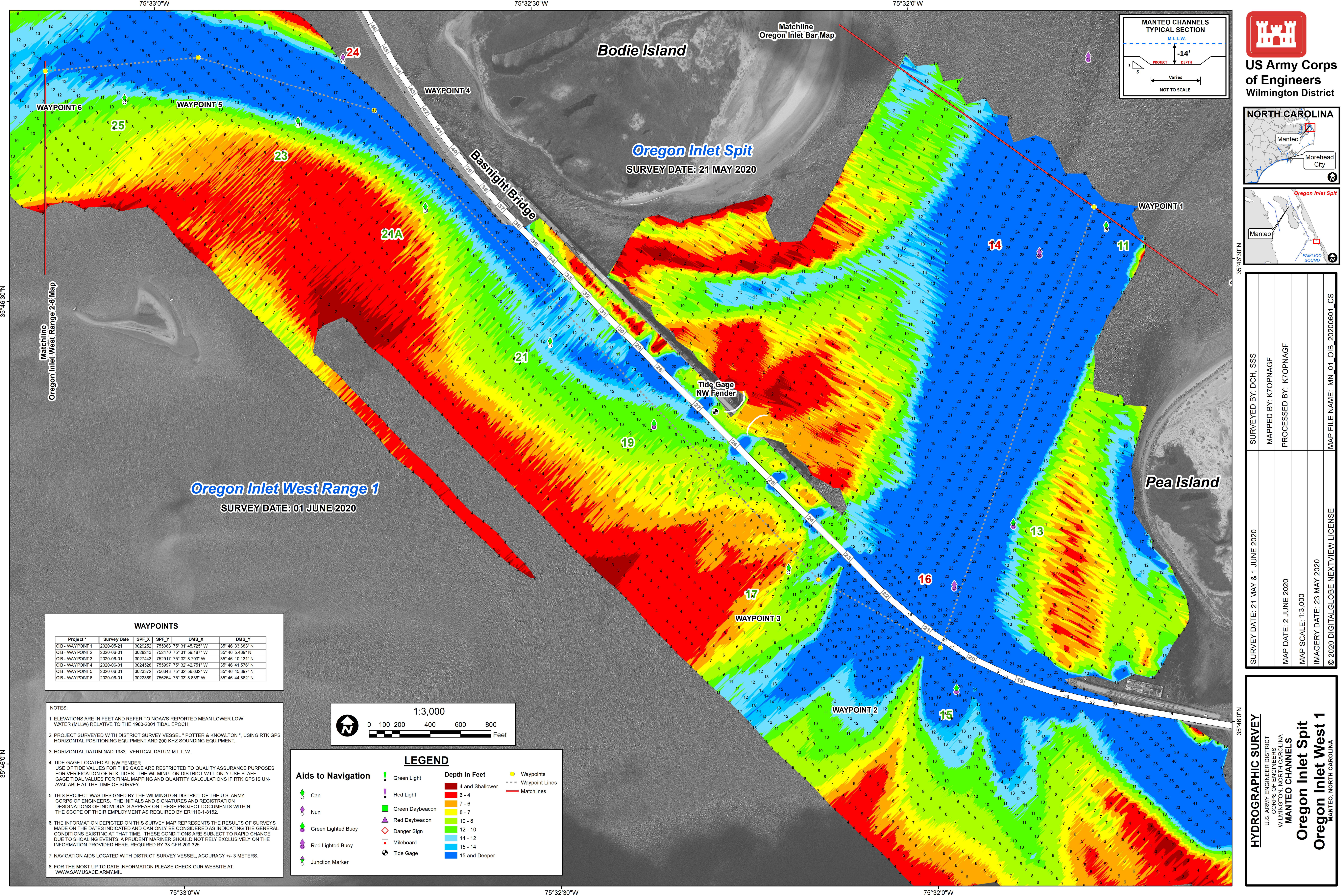


US Army Corps
of Engineers
Wilmington District



SURVEYED BY: DCH, SSS	SURVEY DATE: 12 JUNE 2020 & 21 MAY 2020
MAPPED BY: KTOPNAGF	
PROCESSED BY: KTOPNAGF	
MAP DATE: 16 JUNE 2020	
MAP SCALE: 1:3,000	
IMAGERY DATE: 09 JUNE 2020	
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MAP FILE NAME: MN_01_OIB_20200612_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



35°46'30"N

35°46'0"N

35°46'0"N

75°33'0"W

75°32'30"W

75°32'0"W

35°46'0"N

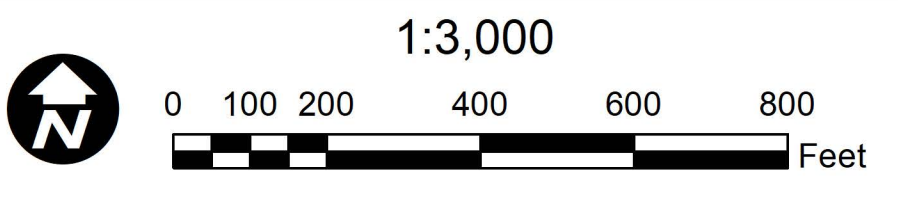
35°46'30"N

WAYPOINTS

Project *	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
OIB - WAYPOINT 1	2020-05-21	3029252	756363	75° 31' 45.725" W	35° 46' 33.683" N
OIB - WAYPOINT 2	2020-06-01	3028243	752470	75° 31' 59.187" W	35° 46' 5.439" N
OIB - WAYPOINT 3	2020-06-01	3027443	752917	75° 32' 8.703" W	35° 46' 10.131" N
OIB - WAYPOINT 4	2020-06-01	3024528	759997	75° 32' 42.751" W	35° 46' 14.576" N
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OIB - WAYPOINT 6	2020-06-01	3022369	756254	75° 33' 8.836" W	35° 46' 44.862" N

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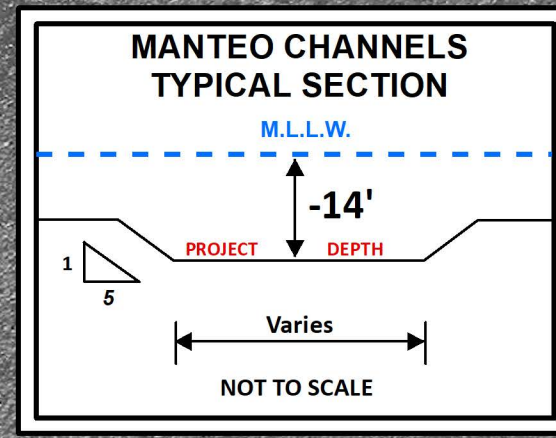
LEGEND

- Aids to Navigation**

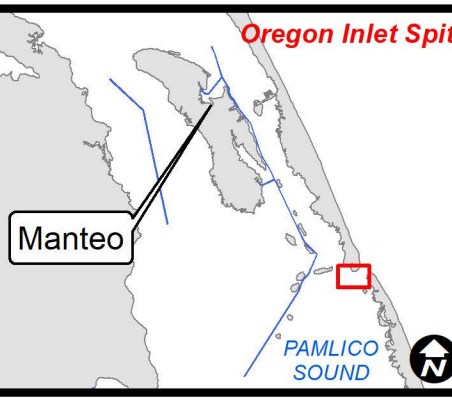
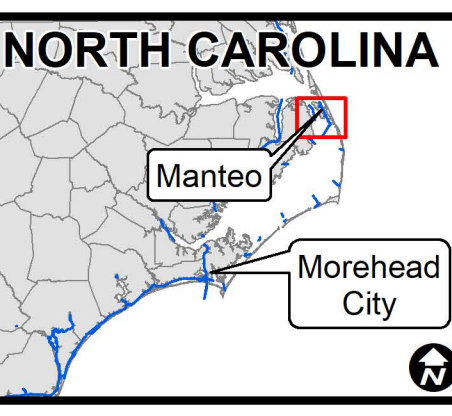
 - Can
 - Nun
 - Green Lighted Buoy
 - Red Lighted Buoy
 - Junction Marker
- Depth In Feet**

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

 - Waypoint Lines
 - Matchlines



US Army Corps
of Engineers
Wilmington District



SURVEYED BY: DCH, SSS	SURVEY DATE: 21 MAY & 1 JUNE 2020
MAPPED BY: KTOPNAGF	MAP DATE: 2 JUNE 2020
PROCESSED BY: KTOPNAGF	MAP SCALE: 1:3,000
	IMAGERY DATE: 23 MAY 2020
	© 2020 DIGITALGLOBE NEXTVIEW LICENSE
	MAP FILE NAME: MN_01_OIB_20200601_CS

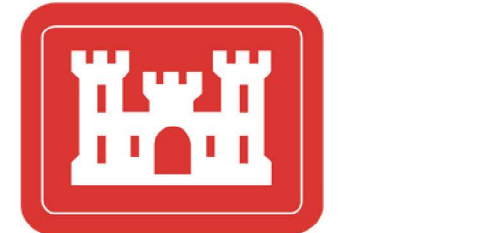
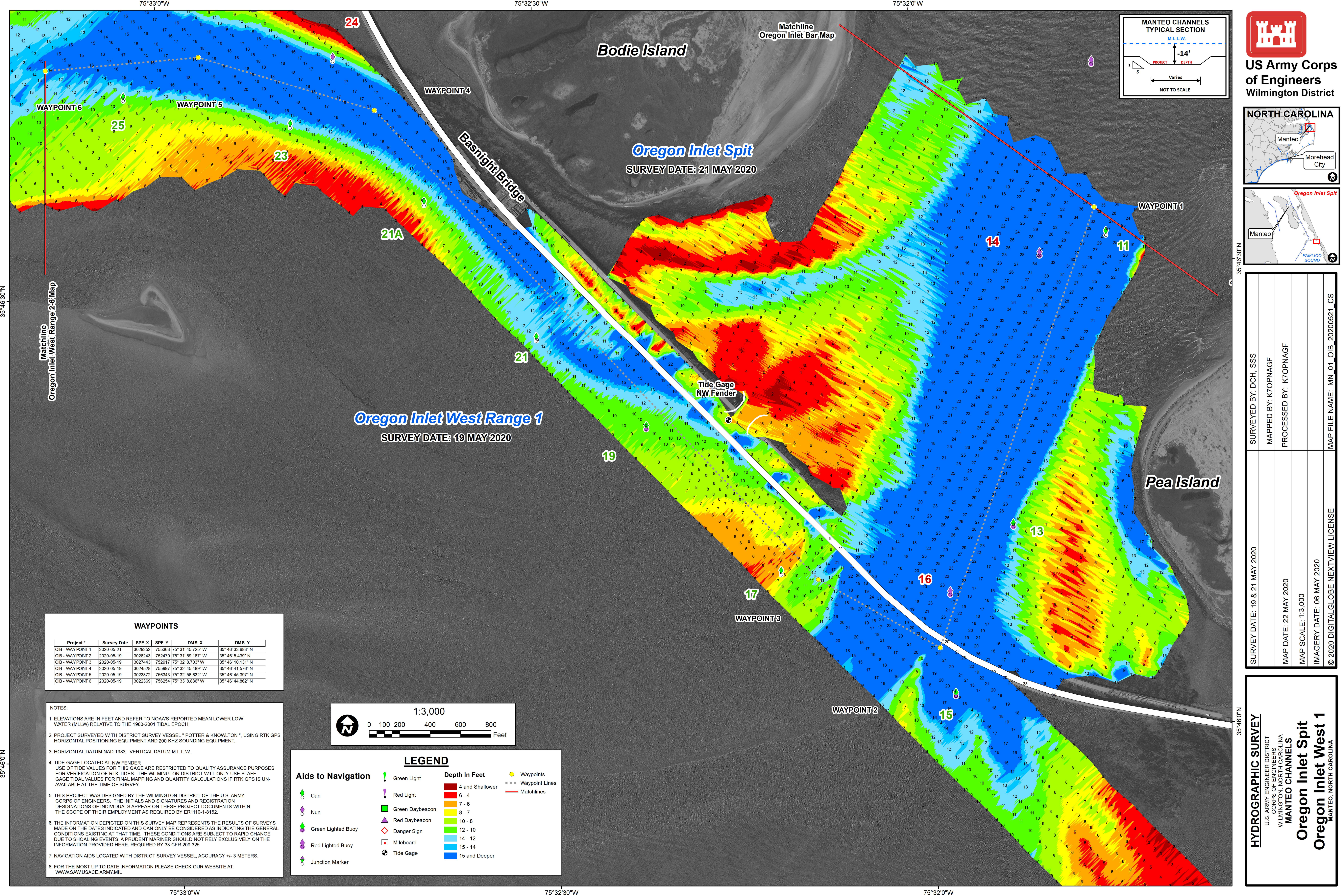
HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

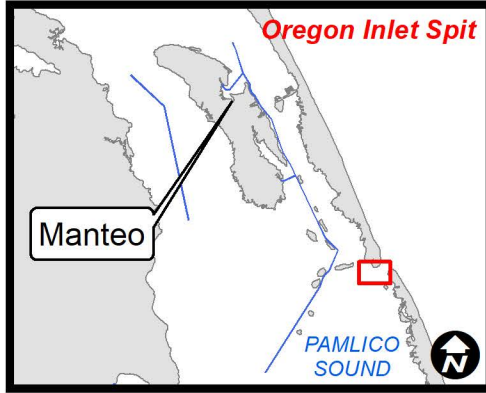
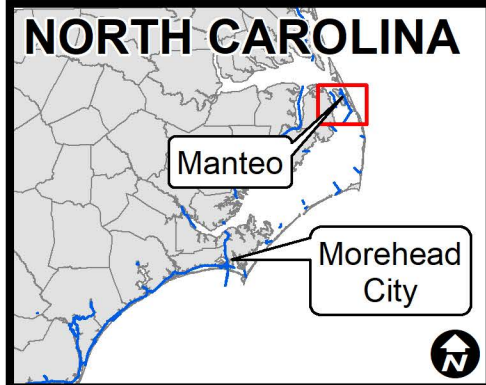
MANTO CHANNELS

Oregon Inlet Spit
Oregon Inlet West 1

MANTO, NORTH CAROLINA

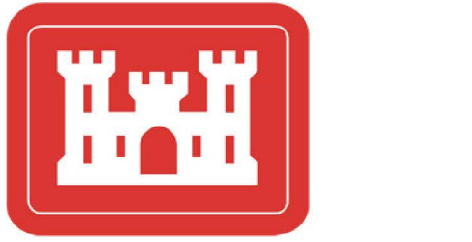
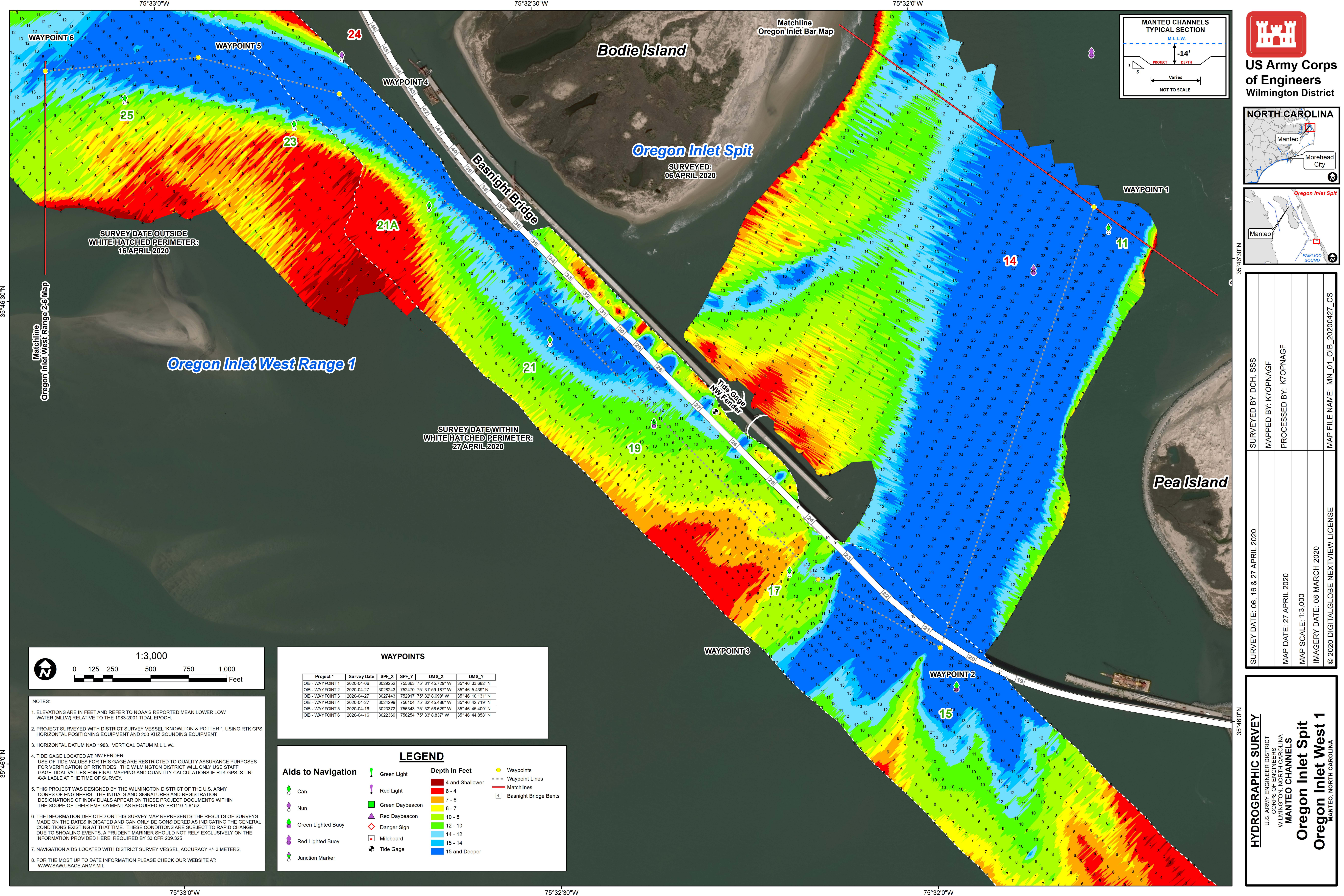


US Army Corps
of Engineers
Wilmington District

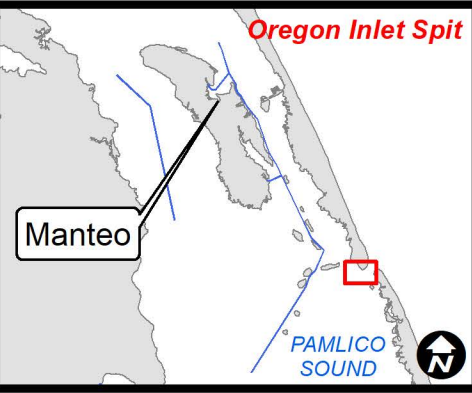
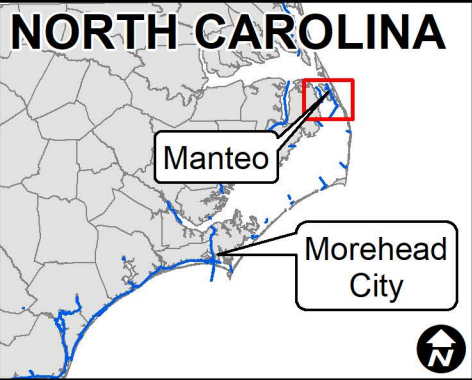


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MAP DATE: 22 MAY 2020	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,000	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 06 MAY 2020	
© 2020 DIGITAL GLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20200621_CS

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



US Army Corps
of Engineers
Wilmington District



SURVEYED BY: DCH, SSS	SURVEY DATE: 06, 16 & 27 APRIL 2020
MAPPED BY: KTOPNAGF	
PROCESSED BY: KTOPNAGF	
MAP DATE: 27 APRIL 2020	
MAP SCALE: 1:3,000	
IMAGERY DATE: 08 MARCH 2020	
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MAP FILE NAME: MN_01_OIB_20200427_CS	

HYDROGRAPHIC SURVEY

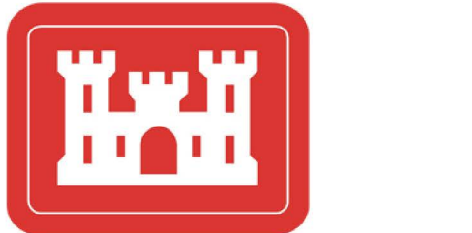
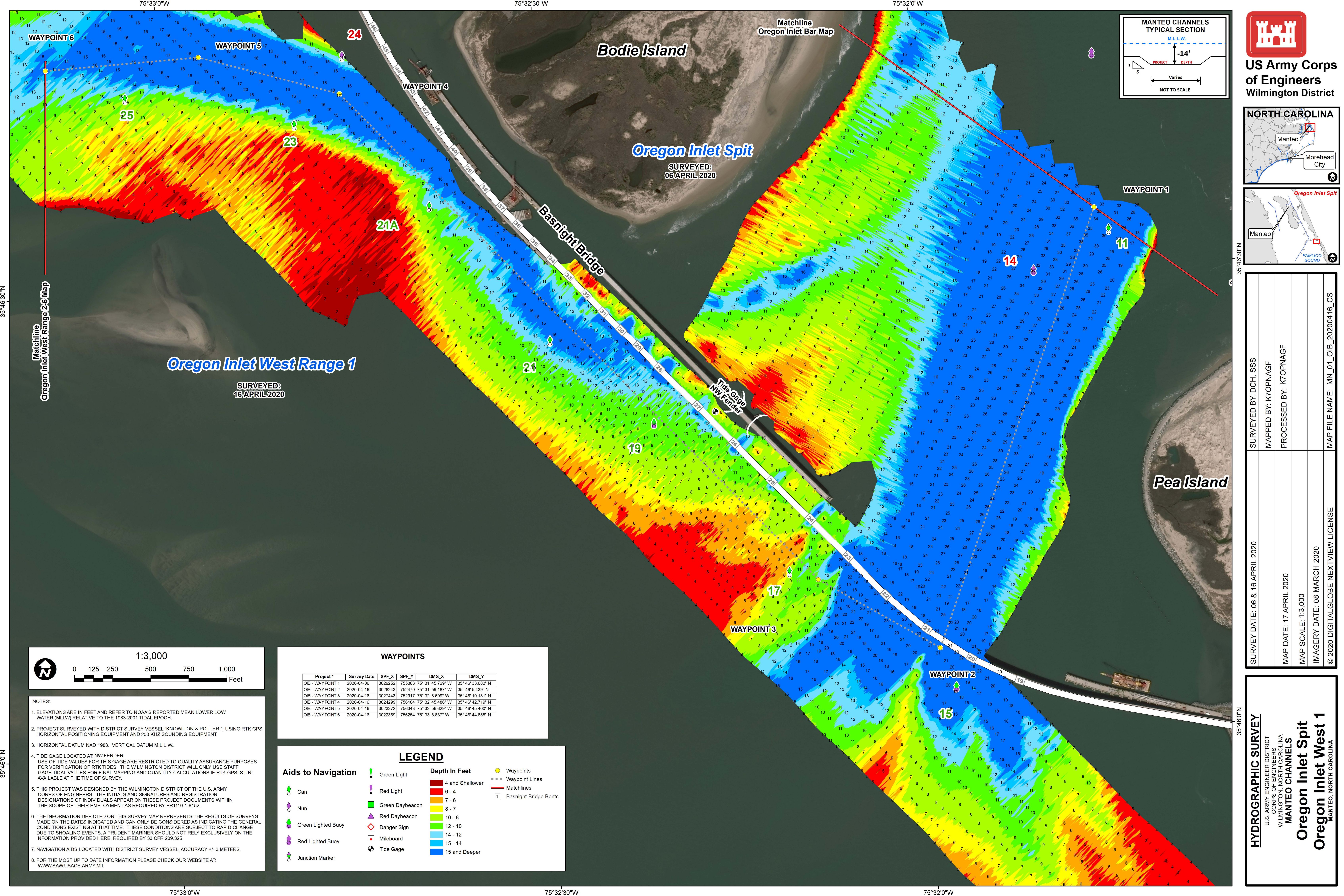
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

MANTEO CHANNELS

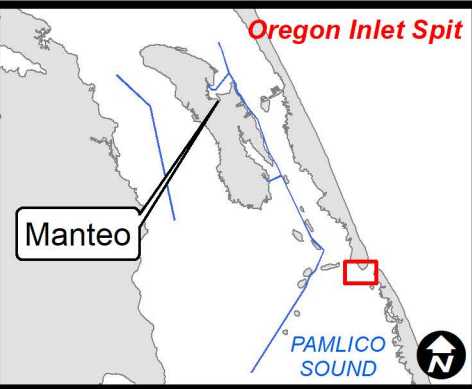
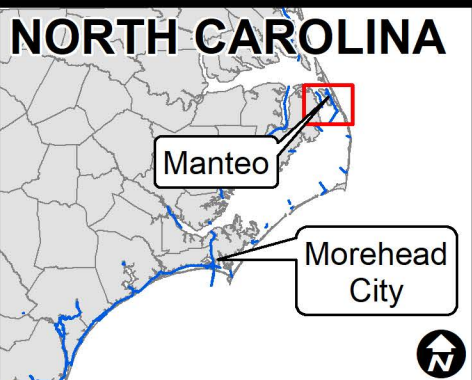
Oregon Inlet Spit

Oregon Inlet West 1

MANTEO, NORTH CAROLINA

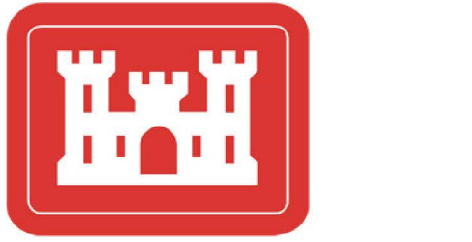
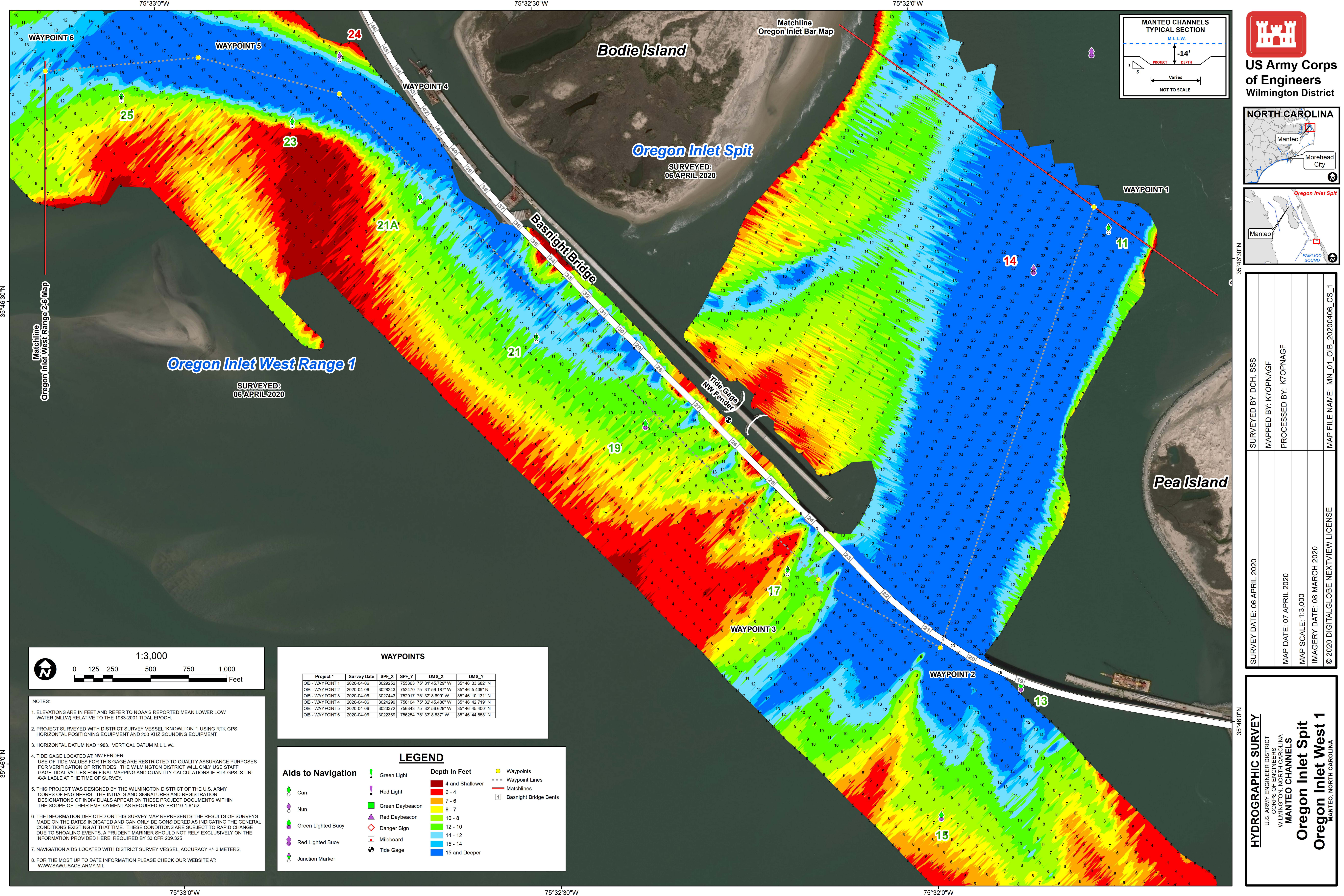


US Army Corps
of Engineers
Wilmington District

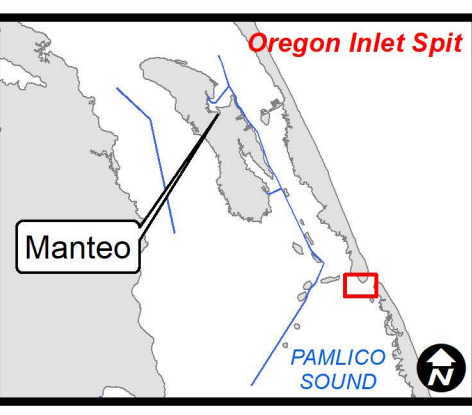
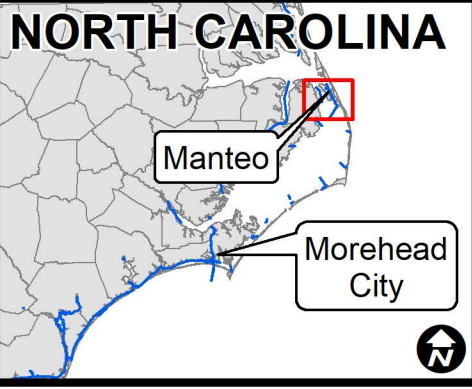


SURVEYED BY: DCH, SSS	SURVEY DATE: 06 & 16 APRIL 2020
MAPPED BY: KTOPNAGF	
PROCESSED BY: KTOPNAGF	
MAP DATE: 17 APRIL 2020	
MAP SCALE: 1:3,000	
IMAGERY DATE: 08 MARCH 2020	
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MAP FILE NAME: MN_01_OIB_20200416_CS	

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

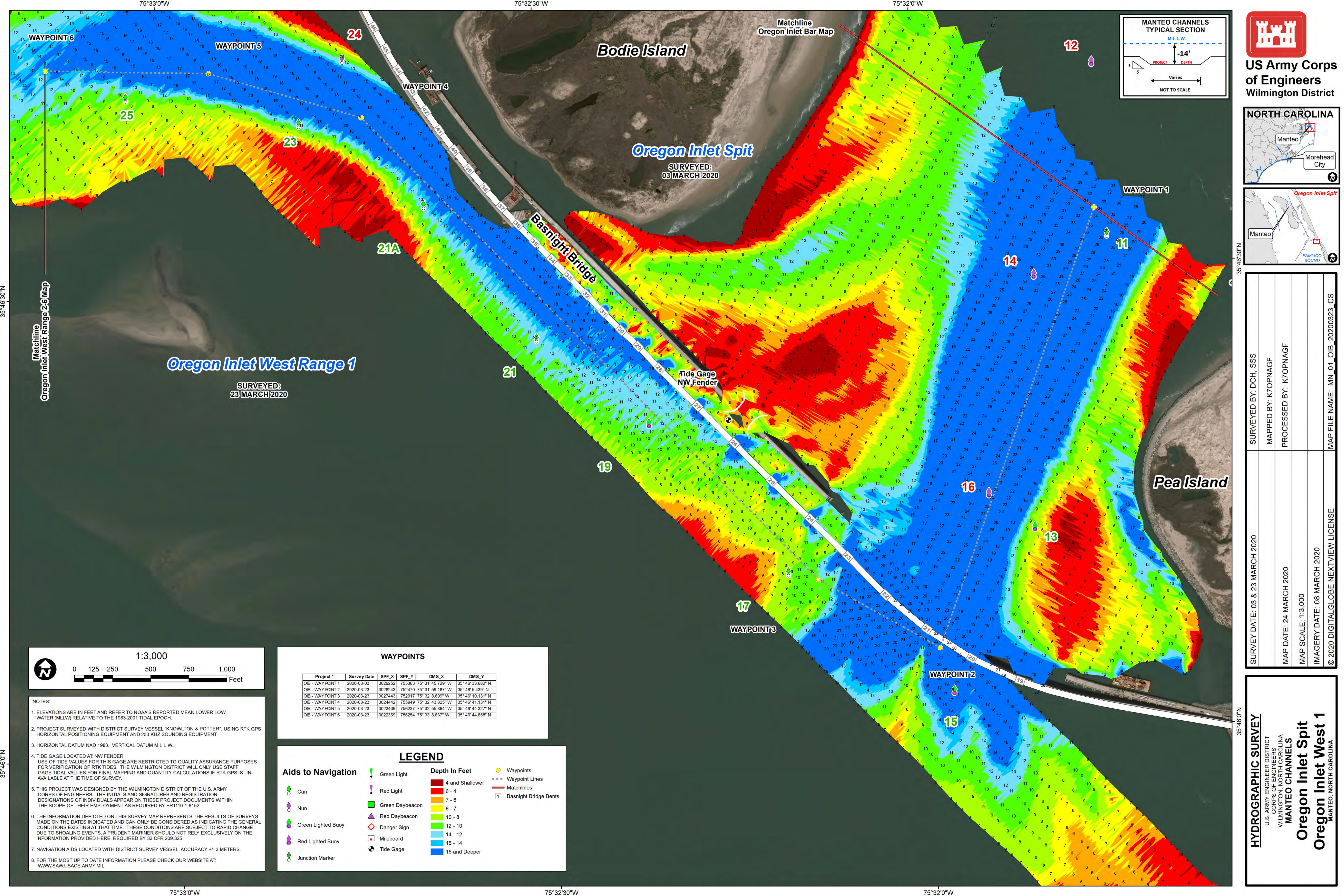


US Army Corps
of Engineers
Wilmington District

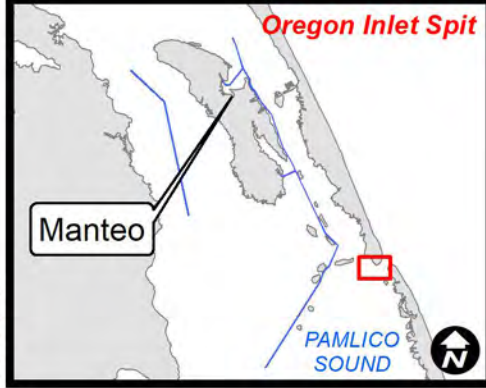


SURVEYED BY: DCH, SSS	SURVEY DATE: 06 APRIL 2020
MAPPED BY: KTOPNAGF	
PROCESSED BY: KTOPNAGF	
MAP DATE: 07 APRIL 2020	
MAP SCALE: 1:3,000	
IMAGERY DATE: 08 MARCH 2020	
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MAP FILE NAME: MN_01_OIB_20200406_CS_1	

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

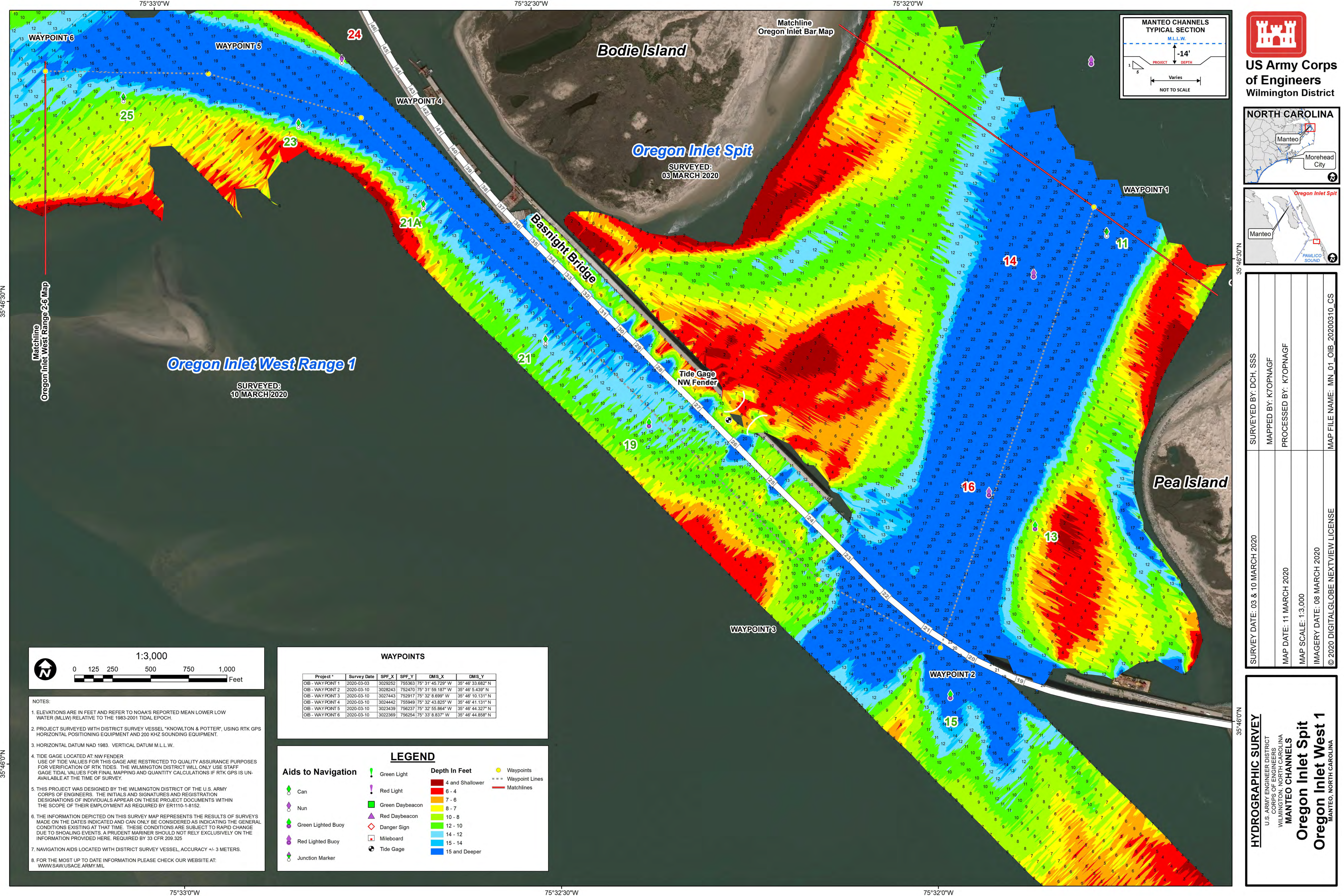


US Army Corps
of Engineers
Wilmington District

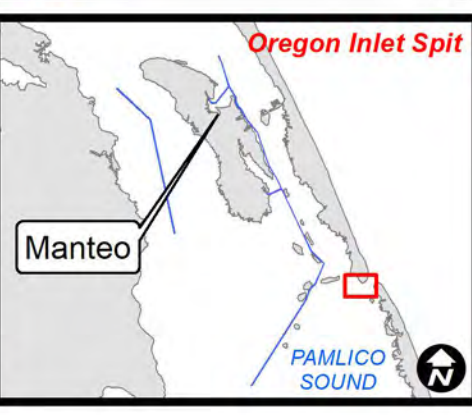


SURVEY DATE: 03 & 23 MARCH 2020	SURVEYED BY: DCH, SSS
MAP DATE: 24 MARCH 2020	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,000	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 08 MARCH 2020	
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HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
MANTEO CHANNELS
Oregon Inlet Spit
Oregon Inlet West 1
MANTEO, NORTH CAROLINA

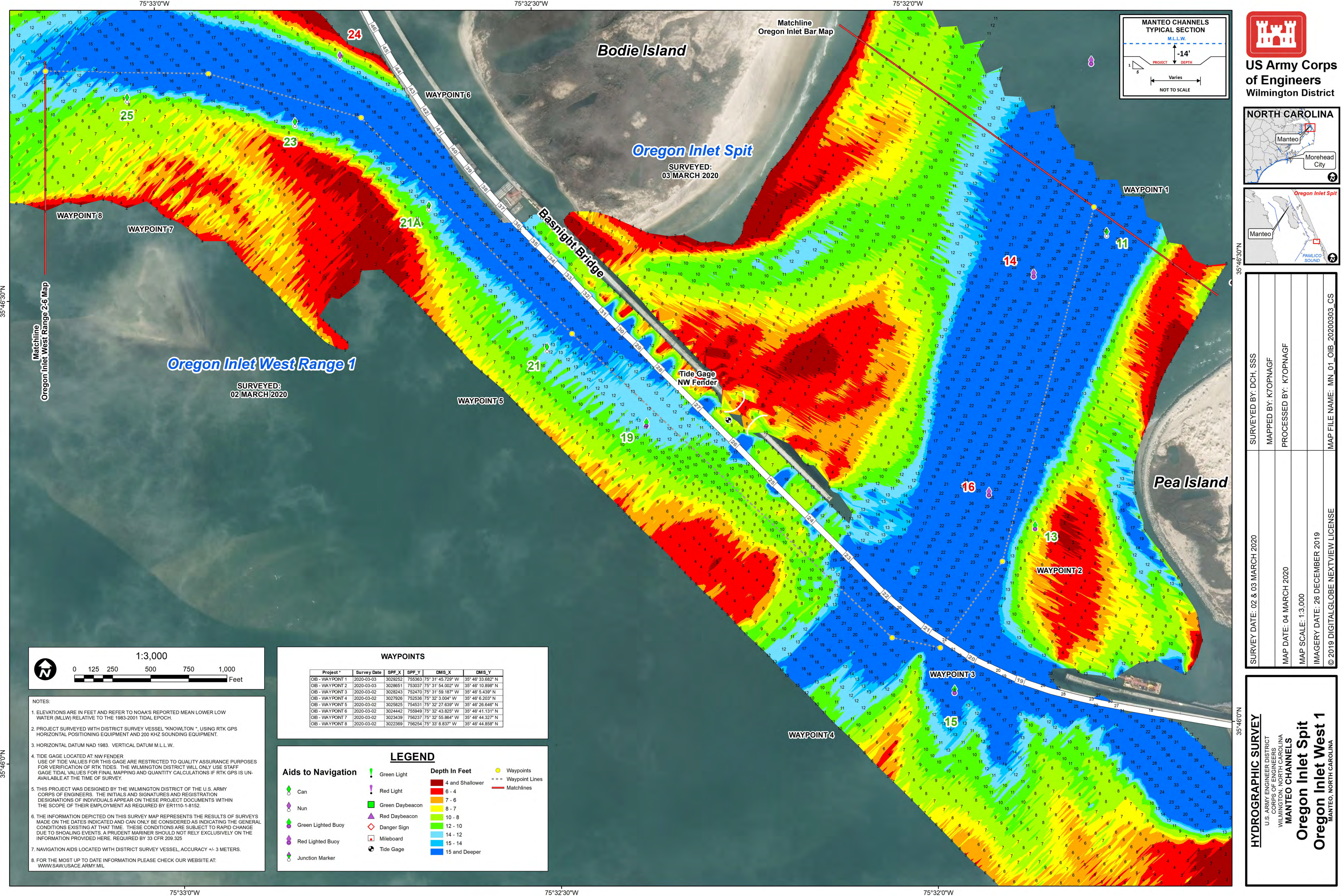


US Army Corps
of Engineers
Wilmington District

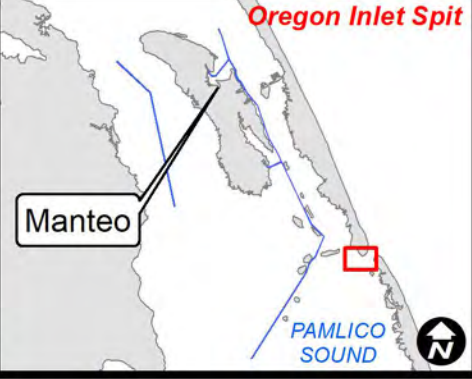


SURVEYED BY: DCH, SSS	SURVEY DATE: 03 & 10 MARCH 2020
MAPPED BY: KTOPNAGF	
PROCESSED BY: KTOPNAGF	
	MAP DATE: 11 MARCH 2020
	MAP SCALE: 1:3,000
	IMAGERY DATE: 08 MARCH 2020
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	MAP FILE NAME: MN_01_OIB_20200310_CS

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



US Army Corps
of Engineers
Wilmington District



SURVEYED BY: DCH, SSS	SURVEY DATE: 02 & 03 MARCH 2020
MAPPED BY: KTOPNAGF	MAP DATE: 04 MARCH 2020
PROCESSED BY: KTOPNAGF	MAP SCALE: 1:3,000
	IMAGERY DATE: 26 DECEMBER 2019
	© 2019 DIGITALGLOBE NEXTVIEW LICENSE
	MAP FILE NAME: MN_01_OIB_20200303_CS

HYDROGRAPHIC SURVEY

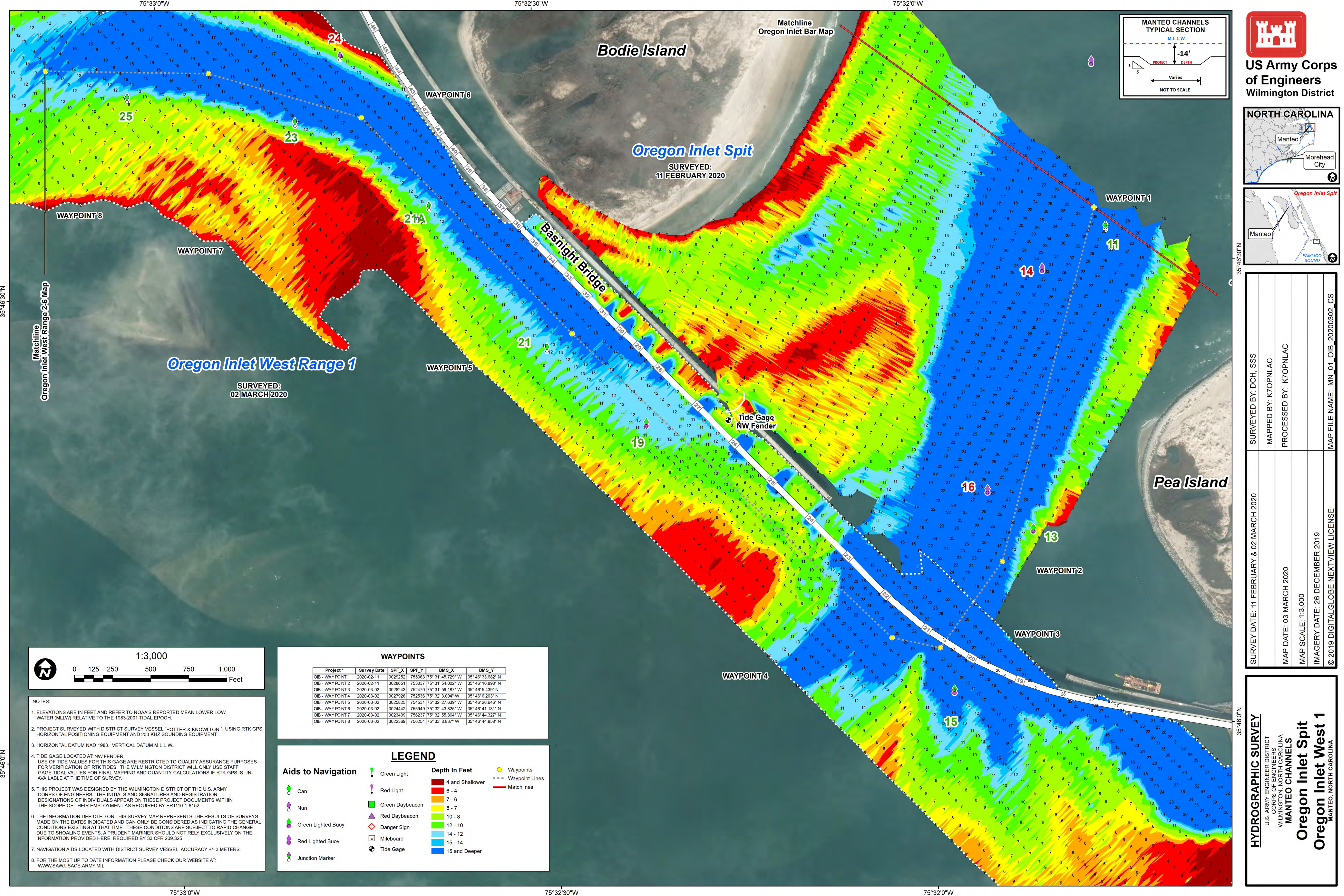
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

MANTEO CHANNELS

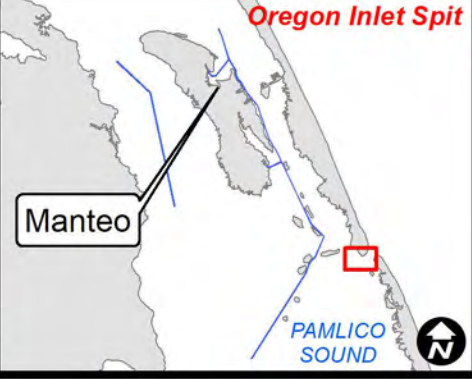
Oregon Inlet Spit

Oregon Inlet West 1

MANTEO, NORTH CAROLINA

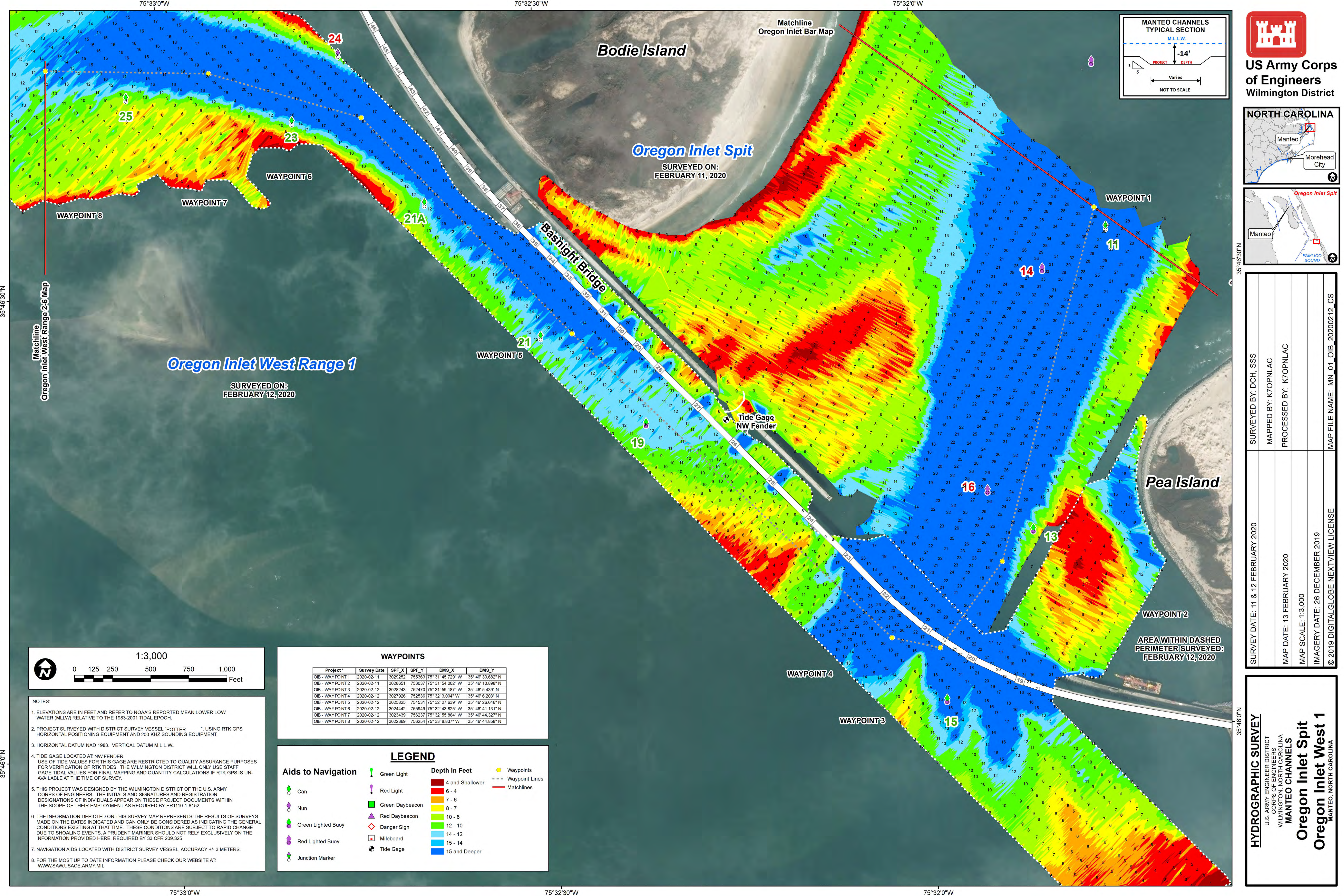


US Army Corps
of Engineers
Wilmington District



SURVEY DATE: 11 FEBRUARY & 02 MARCH 2020	SURVEYED BY: DCH, SSS
MAP DATE: 03 MARCH 2020	MAPPED BY: KTOPNAC
MAP SCALE: 1:3,000	PROCESSED BY: KTOPNAC
IMAGERY DATE: 26 DECEMBER 2019	
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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



US Army Corps of Engineers
Wilmington District

NORTH CAROLINA

Manteo
Morehead City

Hydrographic Survey

U.S. Army Engineer District
Corps of Engineers
Wilmington, North Carolina
Manteo Channels

Oregon Inlet Spit
Manteo, North Carolina

Legend

Can
Nun
Green Lighted Buoy
Red Lighted Buoy
Junction Marker

Green Light
Red Light
Green Daybeacon
Red Daybeacon
Danger Sign
Mileboard
Tide Gage

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

Metadata

SURVEYED BY: DCH, SSS
MAPPED BY: KTOPNLAC
PROCESSED BY: KTOPNLAC
MAP DATE: 13 FEBRUARY 2020
MAP SCALE: 1:3,000
IMAGERY DATE: 26 DECEMBER 2019
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MAP FILE NAME: MN_01_OIB_20200212_CS

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.

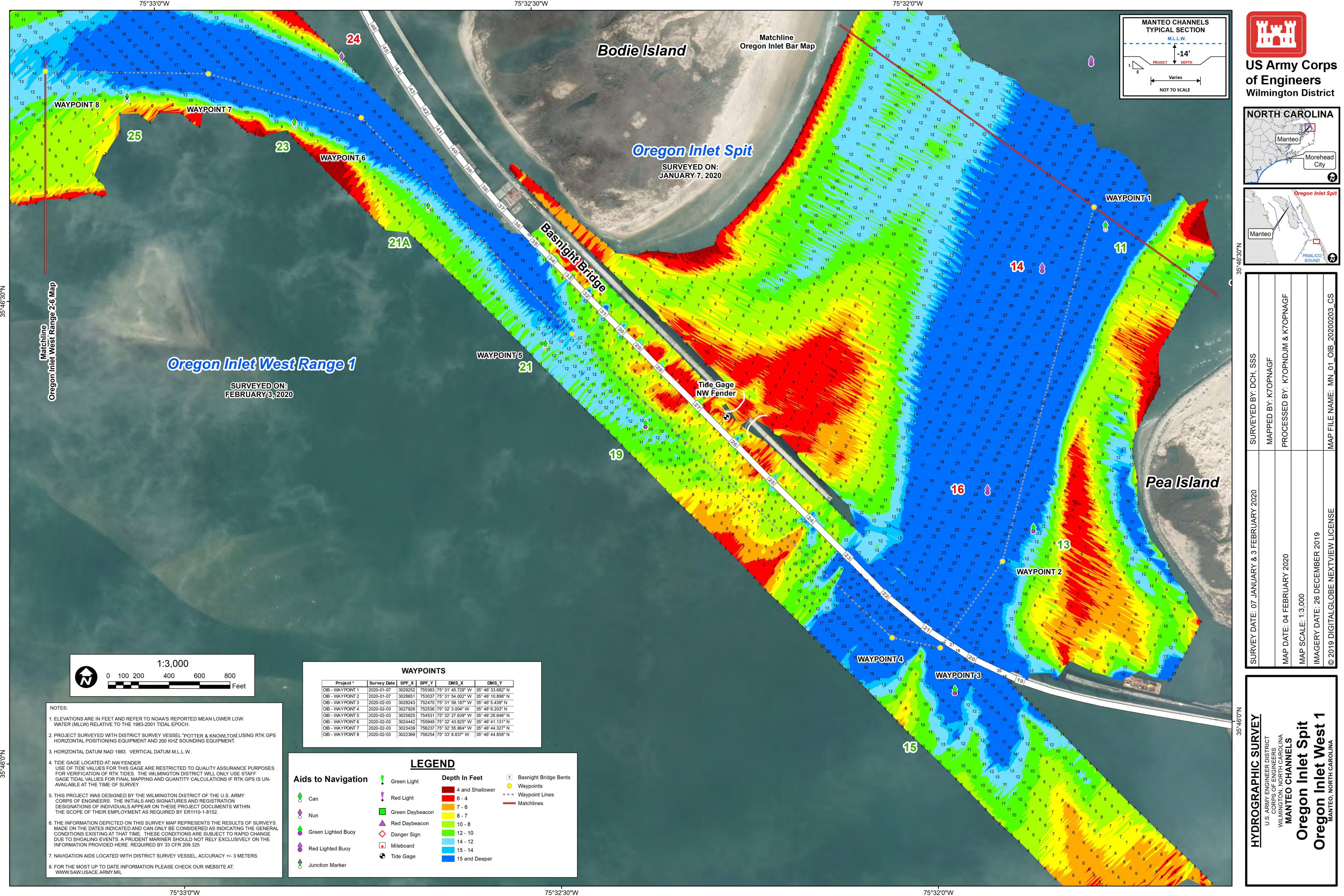
4. TIDE GAGE LOCATED AT NW FENDER. USE OF TIDE VALUES FOR THIS GAGE ARE RESTRICTED TO QUALITY ASSURANCE PURPOSES FOR VERIFICATION OF RTK TIDES. THE WILMINGTON DISTRICT WILL ONLY USE STAFF GAGE TIDAL VALUES FOR FINAL MAPPING AND QUANTITY CALCULATIONS IF RTK GPS IS UNAVAILABLE AT THE TIME OF SURVEY.

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.MIL



SURVEY DATE: 07 JANUARY & 3 FEBRUARY 2020	SURVEYED BY: DCH, SSS
MAP DATE: 04 FEBRUARY 2020	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,000	PROCESSED BY: KTOPNDJM & KTOPNAGF
IMAGERY DATE: 26 DECEMBER 2019	
© 2019 DIGITALGLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20200203_CS

- 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 "POTTER & 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 NW FENDER. 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 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

WAYPOINTS					
Project *	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
OIB - WAYPOINT 1	2020-01-07	3028252	755363	75° 31' 45.729" W	35° 46' 33.682" N
OIB - WAYPOINT 2	2020-01-07	3028651	753037	75° 31' 54.002" W	35° 46' 10.898" N
OIB - WAYPOINT 3	2020-02-03	3028243	752470	75° 31' 59.187" W	35° 46' 5.439" N
OIB - WAYPOINT 4	2020-02-03	3027926	752536	75° 32' 3.004" W	35° 46' 6.203" N
OIB - WAYPOINT 5	2020-02-03	3025825	754531	75° 32' 27.639" W	35° 46' 26.646" N
OIB - WAYPOINT 6	2020-02-03	3024442	755949	75° 32' 43.825" W	35° 46' 41.131" N
OIB - WAYPOINT 7	2020-02-03	3023439	756237	75° 32' 55.864" W	35° 46' 44.327" N
OIB - WAYPOINT 8	2020-02-03	3022369	756254	75° 33' 6.837" W	35° 46' 44.856" N

LEGEND

Aids to Navigation

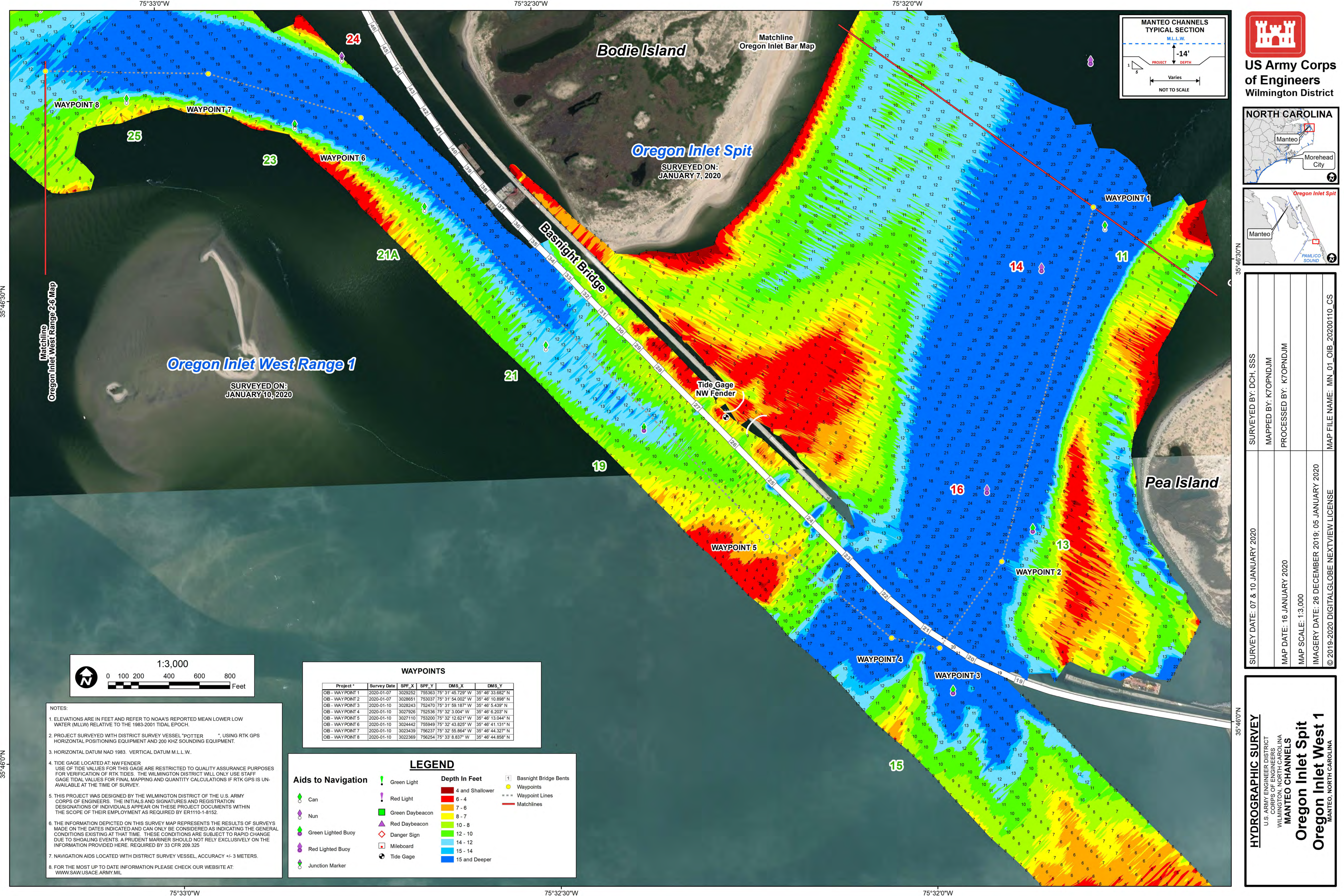
- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker

Depth In Feet

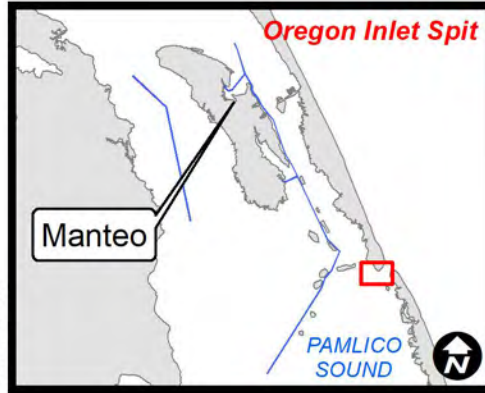
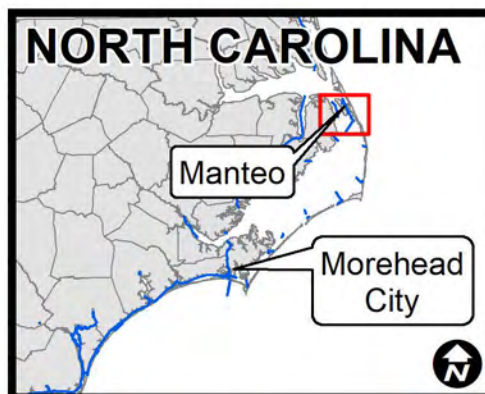
- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper

Basnight Bridge Bents

- Waypoints
- Waypoint Lines
- Matchlines

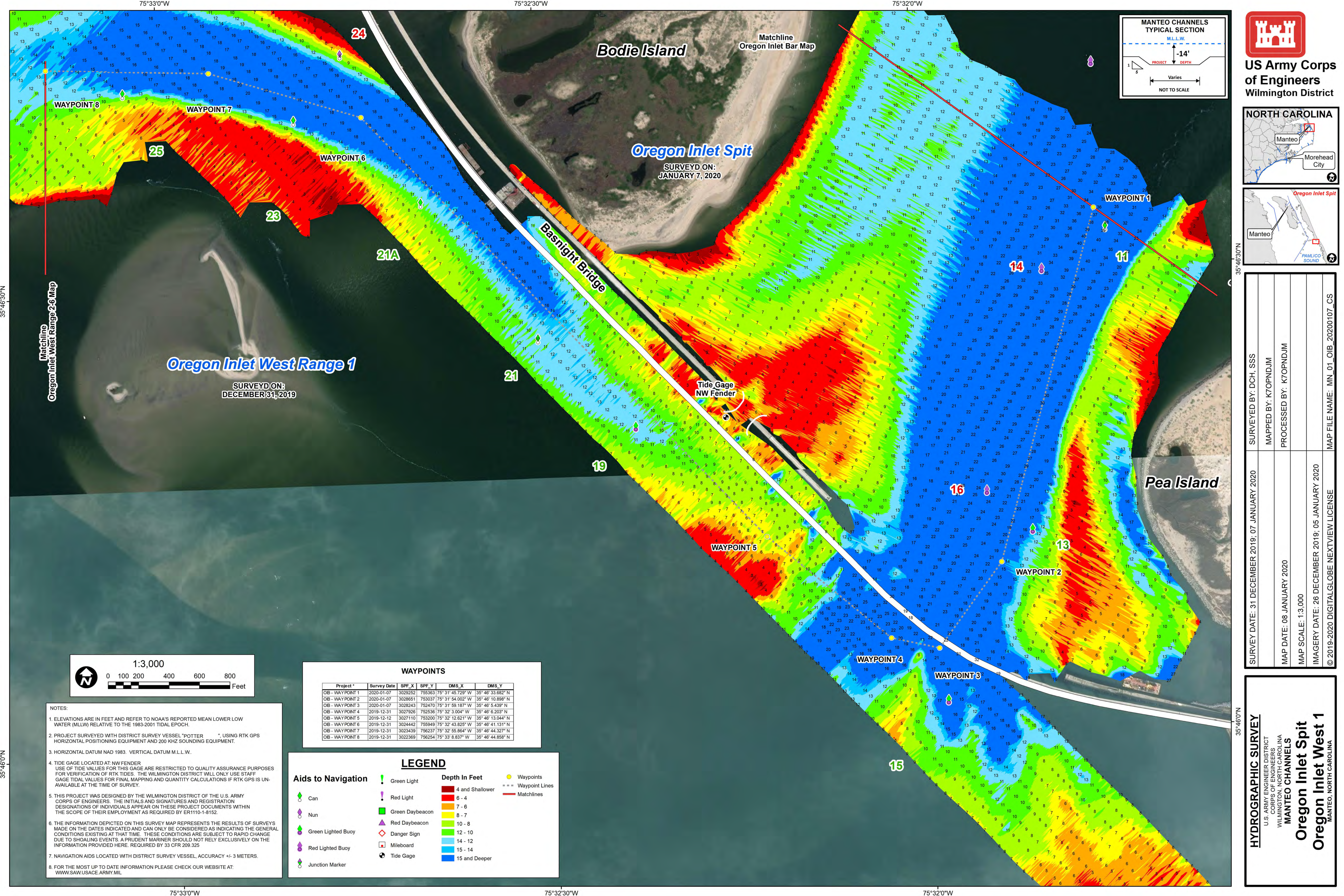


US Army Corps
of Engineers
Wilmington District



SURVEYED BY: DCH, SSS	SURVEY DATE: 07 & 10 JANUARY 2020
MAPPED BY: KTOPNDJM	
PROCESSED BY: KTOPNDJM	
MAP DATE: 16 JANUARY 2020	
MAP SCALE: 1:3,000	
IMAGERY DATE: 26 DECEMBER 2019, 05 JANUARY 2020	
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MAP FILE NAME: MN_01_OIB_20200110_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



SURVEY DATE: 31 DECEMBER 2019; 07 JANUARY 2020	SURVEYED BY: DCH, SSS
MAP DATE: 08 JANUARY 2020	MAPPED BY: KTOPNDJM
MAP SCALE: 1:3,000	PROCESSED BY: KTOPNDJM
IMAGERY DATE: 26 DECEMBER 2019; 05 JANUARY 2020	
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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 "POTTER", 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: NW FENDER. 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 UNAVAILABLE AT THE TIME OF SURVEY.
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- 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 WARNER 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

WAYPOINTS					
Project *	Survey Date	SPF_X	SPF_Y	DMS_X	DMS_Y
OIB - WAYPOINT 1	2020-01-07	3029252	755363	75° 31' 45.729" W	35° 46' 33.682" N
OIB - WAYPOINT 2	2020-01-07	3029651	753037	75° 31' 54.002" W	35° 46' 10.898" N
OIB - WAYPOINT 3	2020-01-07	3028243	752470	75° 31' 59.187" W	35° 46' 5.439" N
OIB - WAYPOINT 4	2019-12-31	3027926	752536	75° 32' 3.004" W	35° 46' 6.203" N
OIB - WAYPOINT 5	2019-12-12	3027110	753200	75° 32' 12.621" W	35° 46' 13.044" N
OIB - WAYPOINT 6	2019-12-31	3024442	756949	75° 32' 43.825" W	35° 46' 41.131" N
OIB - WAYPOINT 7	2019-12-31	3023439	756237	75° 32' 55.864" W	35° 46' 44.327" N
OIB - WAYPOINT 8	2019-12-31	3022369	756254	75° 33' 8.837" W	35° 46' 44.858" N

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker

LEGEND

- Green Light
- Red Light
- Green Daybeacon
- Red Daybeacon
- Danger Sign
- Mileboard
- Tide Gage

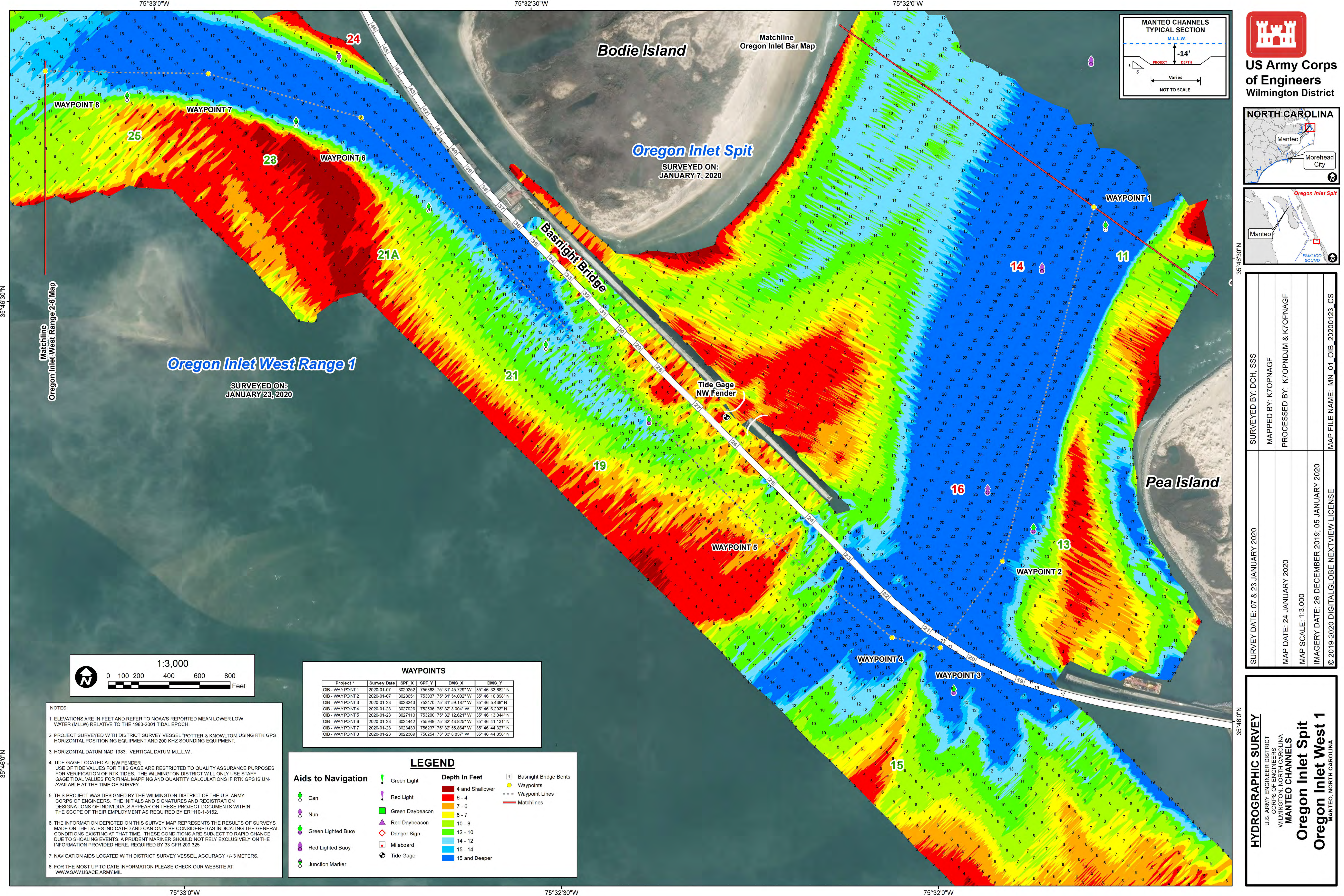
Depth In Feet

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

Waypoints

Waypoint Lines

Matchlines



SURVEYED BY: DCH, SSS	SURVEY DATE: 07 & 23 JANUARY 2020
MAPPED BY: KTOPNAGF	MAP DATE: 24 JANUARY 2020
PROCESSED BY: KTOPNDJM & KTOPNAGF	MAP SCALE: 1:3,000
	IMAGERY DATE: 26 DECEMBER 2019; 05 JANUARY 2020
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	MAP FILE NAME: MN_01_OIB_20200123_CS