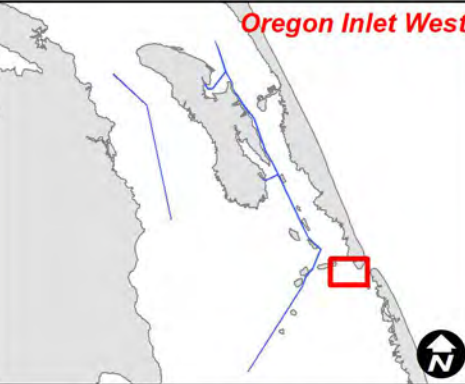


US Army Corps  
of Engineers  
Wilmington District



SURVEYED BY: DCH, TMH, RWA	SURVEY DATES: 30 JUNE, 22-23 NOVEMBER & 05 DECEMBER 2022
MAPPED BY: KTOPNAGF	MAP DATE: 06 DECEMBER 2022
PROCESSED BY: KTOPNAGF	MAP SCALE: 1:3,600
MAP FILE NAME: MN_02_OIW_20221205_CS	IMAGERY DATE: 20 OCTOBER 2022
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**HYDROGRAPHIC SURVEY**

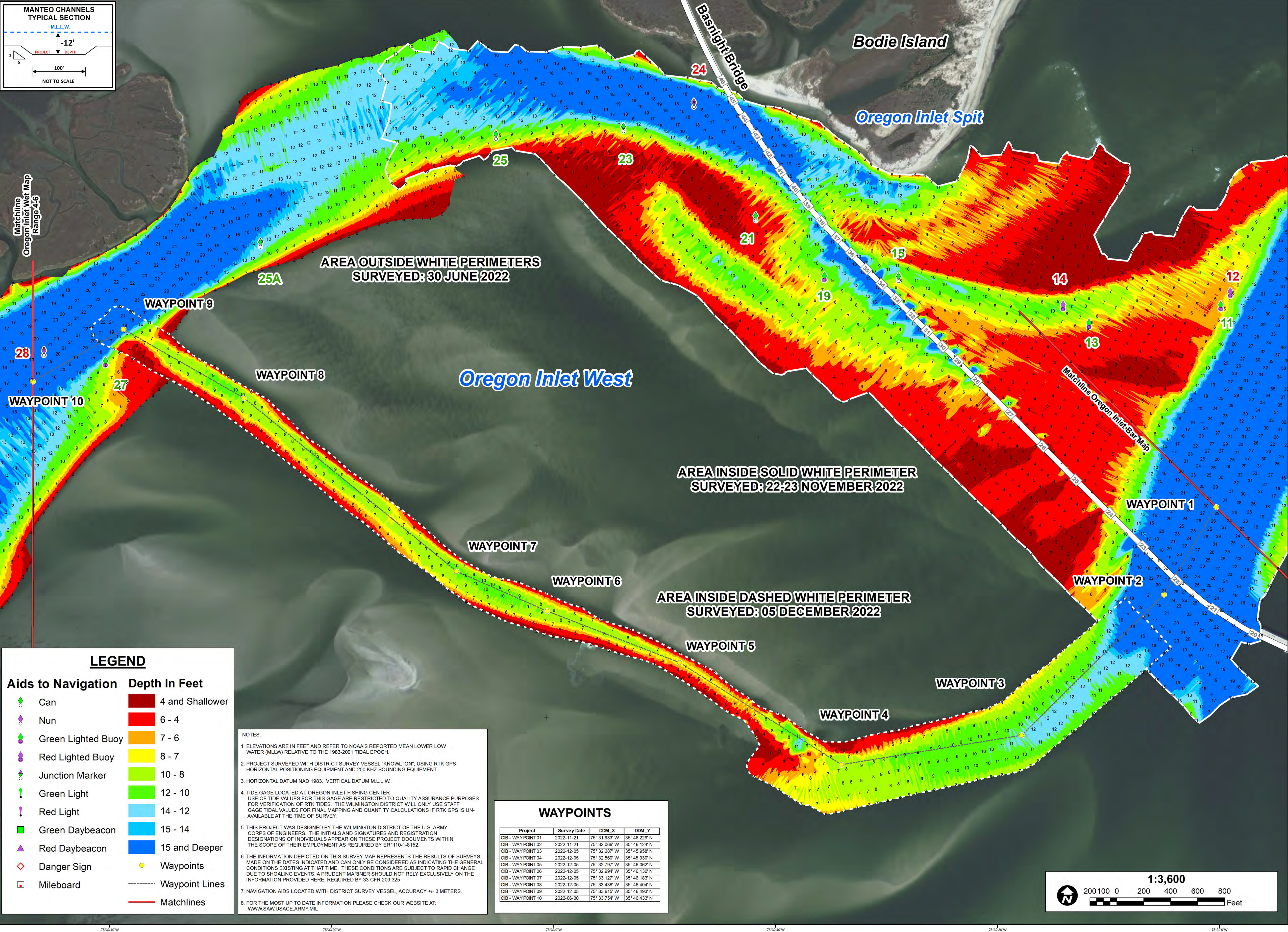
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
WILMINGTON, NORTH CAROLINA

MANTEO CHANNELS

**Oregon Inlet West**

Ranges 1-3

WANCHESSE, 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

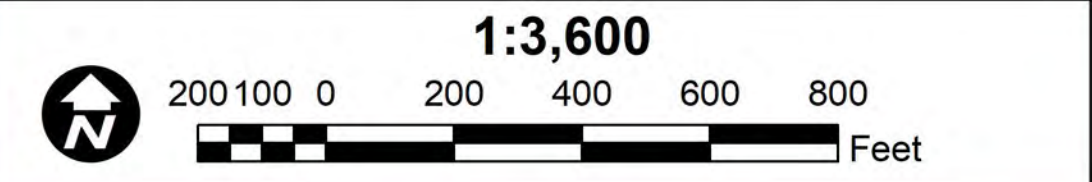
Waypoint Lines

Matchlines

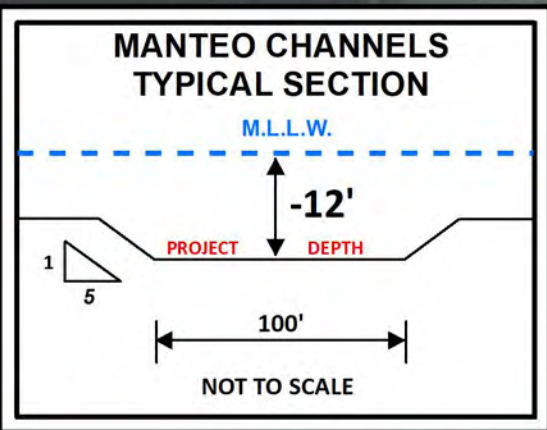
NOTES:

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- NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL, ACCURACY +/- 3 METERS.
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Project	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 01	2022-11-21	75° 31.983' W	35° 46.229' N
OIB - WAYPOINT 02	2022-11-21	75° 32.066' W	35° 46.124' N
OIB - WAYPOINT 03	2022-12-05	75° 32.287' W	35° 45.958' N
OIB - WAYPOINT 04	2022-12-05	75° 32.560' W	35° 45.930' N
OIB - WAYPOINT 05	2022-12-05	75° 32.797' W	35° 46.062' N
OIB - WAYPOINT 06	2022-12-05	75° 32.994' W	35° 46.130' N
OIB - WAYPOINT 07	2022-12-05	75° 33.127' W	35° 46.183' N
OIB - WAYPOINT 08	2022-12-05	75° 33.438' W	35° 46.404' N
OIB - WAYPOINT 09	2022-12-05	75° 33.615' W	35° 46.469' N
OIB - WAYPOINT 10	2022-06-30	75° 33.754' W	35° 46.433' N

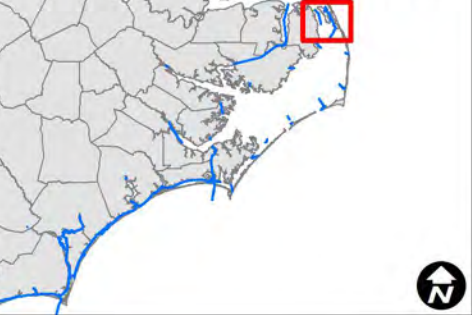






US Army Corps  
of Engineers  
Wilmington District

NORTH CAROLINA



Oregon Inlet West



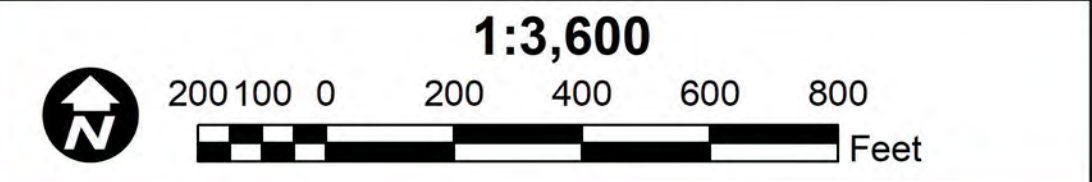
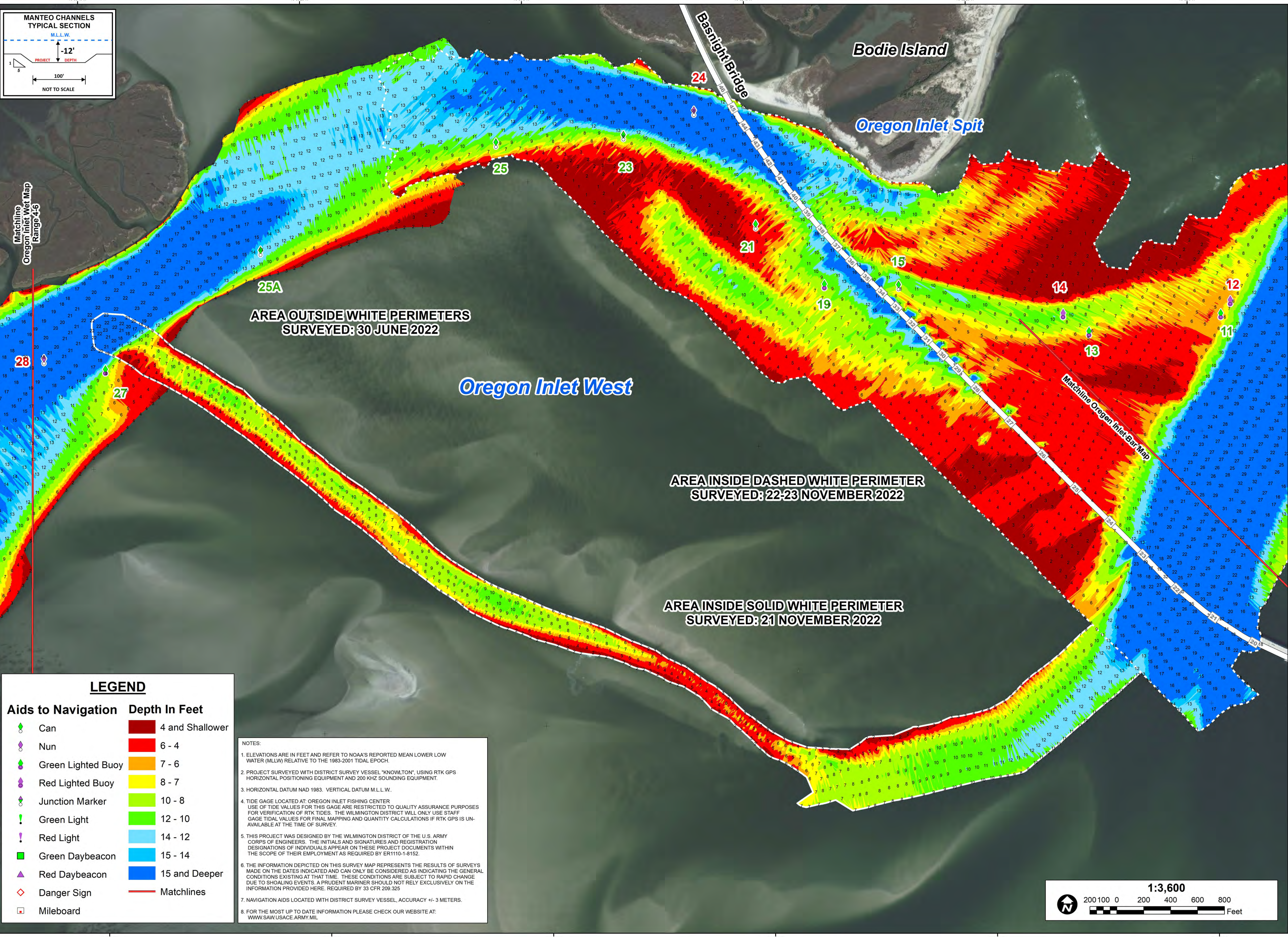
SURVEY DATES: 30 JUNE, 21-23 NOVEMBER 2022	SURVEYED BY: DCH, TMH, JBD, RWA
MAP DATE: 05 DECEMBER 2022	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,600	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 20 OCTOBER 2022	BUOYS 11, 12, 13, 14, 15 & 19 UPDATED 02 DECEMBER 2022
© 2022 DIGITAL GLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20221122_CS_ATON1

**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	Matchlines
Mileboard	

NOTES:

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**HYDROGRAPHIC SURVEY**

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

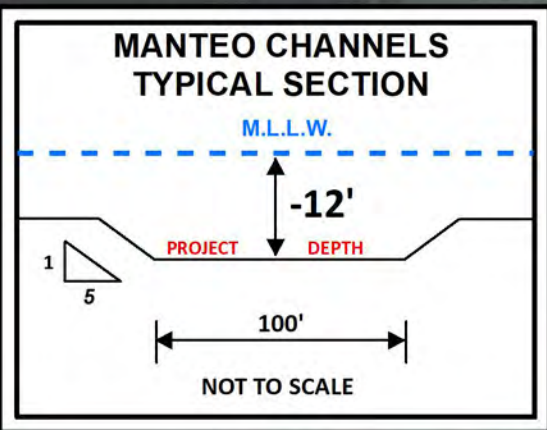
MANTEO CHANNELS

**Oregon Inlet West**

**Ranges 1-3**

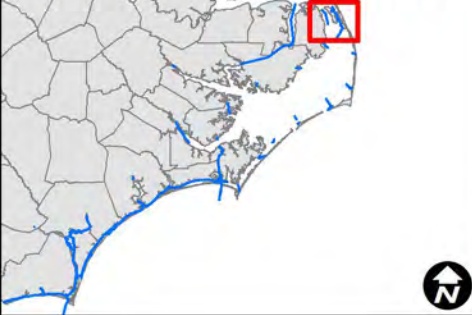
WANCHESSE, NORTH CAROLINA





US Army Corps  
of Engineers  
Wilmington District

NORTH CAROLINA



Oregon Inlet West



SURVEY DATES: 30 JUNE, 21 OCTOBER & 21 NOVEMBER 2022	SURVEYED BY: DCH, TMH, JBD, RWA
MAP DATE: 22 NOVEMBER 2022	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,600	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 20 OCTOBER 2022	
© 2022 DIGITAL GLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_02_OIW_20221121_CS

**HYDROGRAPHIC SURVEY**

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

MANTEO CHANNELS

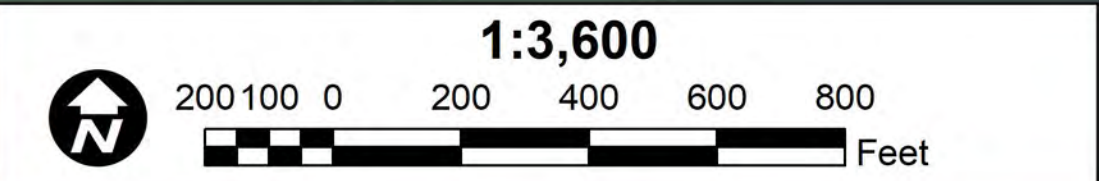
**Oregon Inlet West**

**Ranges 1-3**

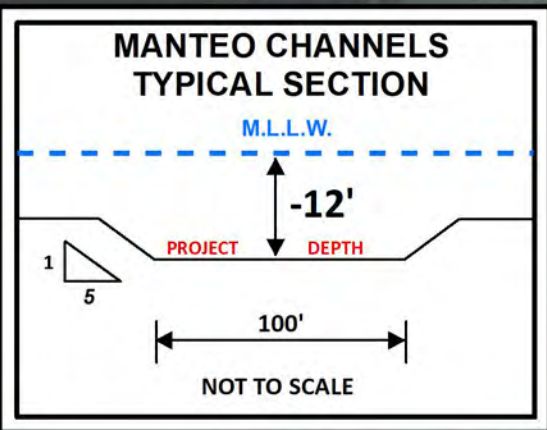
WANCHESSE, NORTH CAROLINA

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
	Matchlines

- NOTES:
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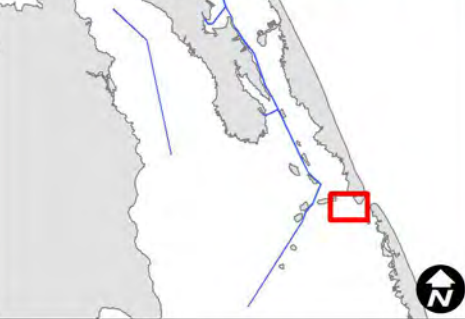


US Army Corps  
of Engineers  
Wilmington District

NORTH CAROLINA



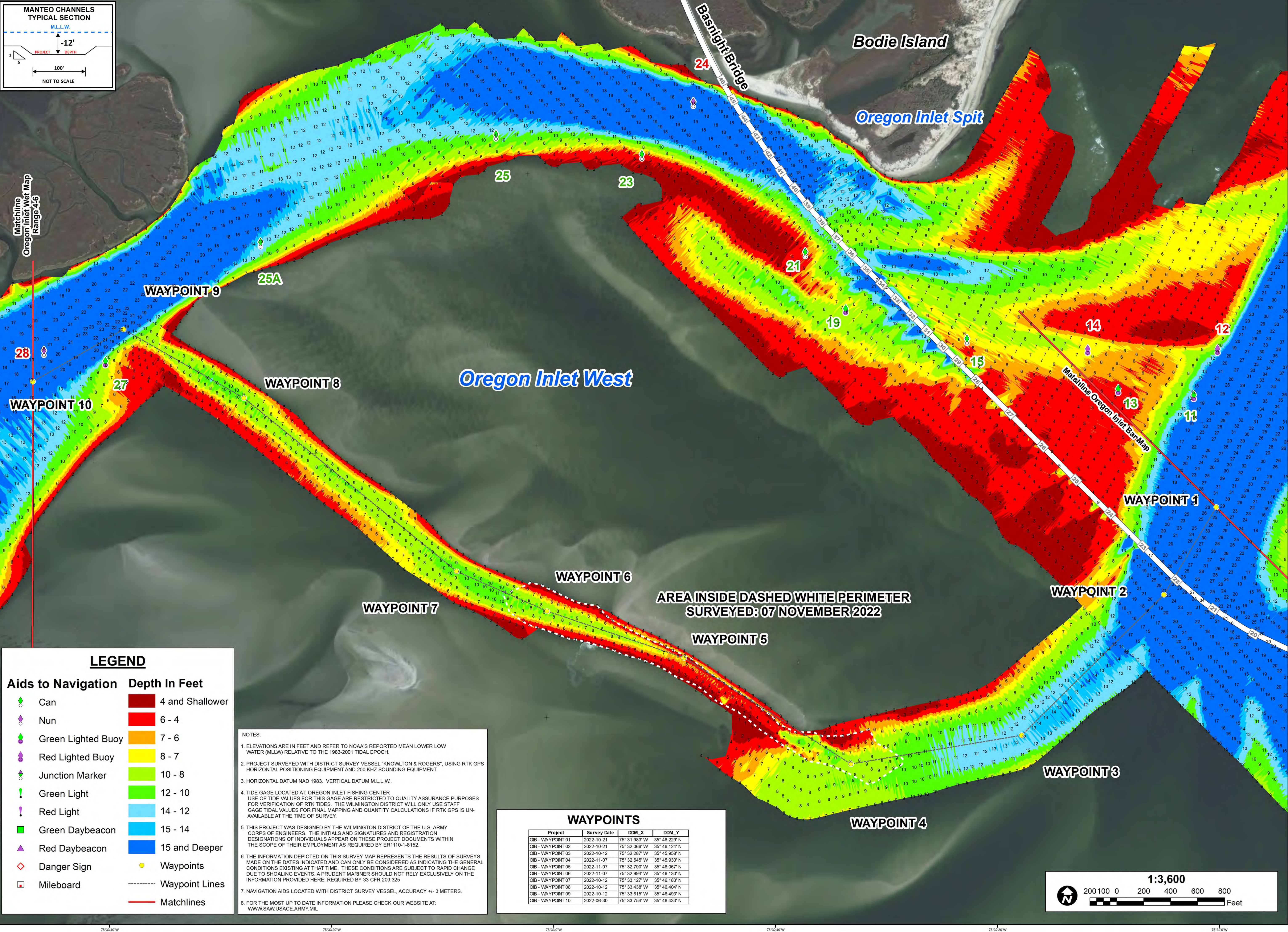
Oregon Inlet West



SURVEYED BY: DCH, JBD, DJH, TMH, WJC, DID  
MAPPED BY: KTOPNAGF  
PROCESSED BY: KTOPNAGF  
MAP DATE: 08 NOVEMBER 2022  
MAP SCALE: 1:3,600  
IMAGERY DATE: 20 OCTOBER 2022  
© 2022 DIGITALGLOBE NEXTVIEW LICENSE  
MAP FILE NAME: MN\_02\_OIW\_20221107\_CS

SURVEY DATES: 30 JUNE, 12, 21 OCTOBER  
& 07 NOVEMBER 2022  
MAP DATE: 08 NOVEMBER 2022  
MAP SCALE: 1:3,600  
IMAGERY DATE: 20 OCTOBER 2022  
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**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
WILMINGTON, NORTH CAROLINA  
**MANTEO CHANNELS**  
**Oregon Inlet West**  
**Ranges 1-3**  
WANCHESSE, NORTH CAROLINA



## LEGEND

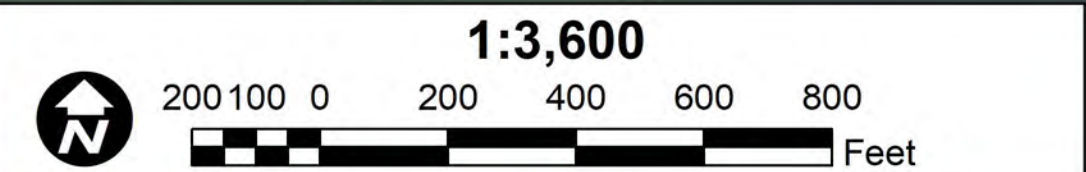
Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

### NOTES:

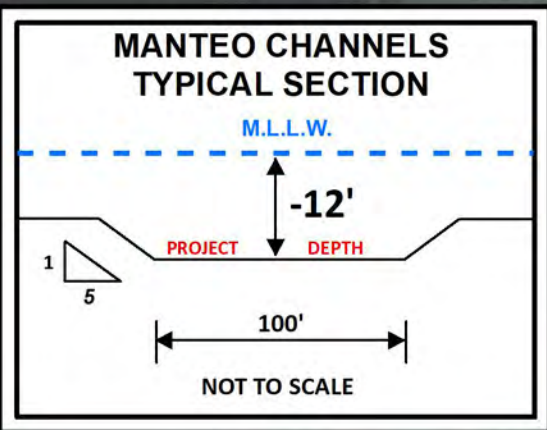
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### WAYPOINTS

Project	Survey Date	DOM_X	DOM_Y
OIB - WAYPOINT 01	2022-10-21	75° 31.983' W	35° 46.229' N
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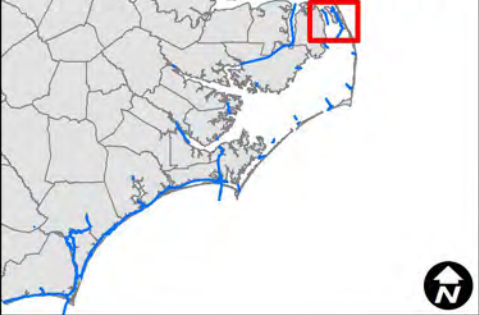






US Army Corps  
of Engineers  
Wilmington District

NORTH CAROLINA



Oregon Inlet West



SURVEY DATE: 30 JUNE, 12, 21 & 26 OCTOBER 2022	SURVEYED BY: DCH, JBD, DJH, TMH, WJC, DID, SRV
MAP DATE: 27 OCTOBER 2022	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,600	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 20 OCTOBER 2022	
© 2022 DIGITALGLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_02_OIW_20221026_CS

HYDROGRAPHIC SURVEY

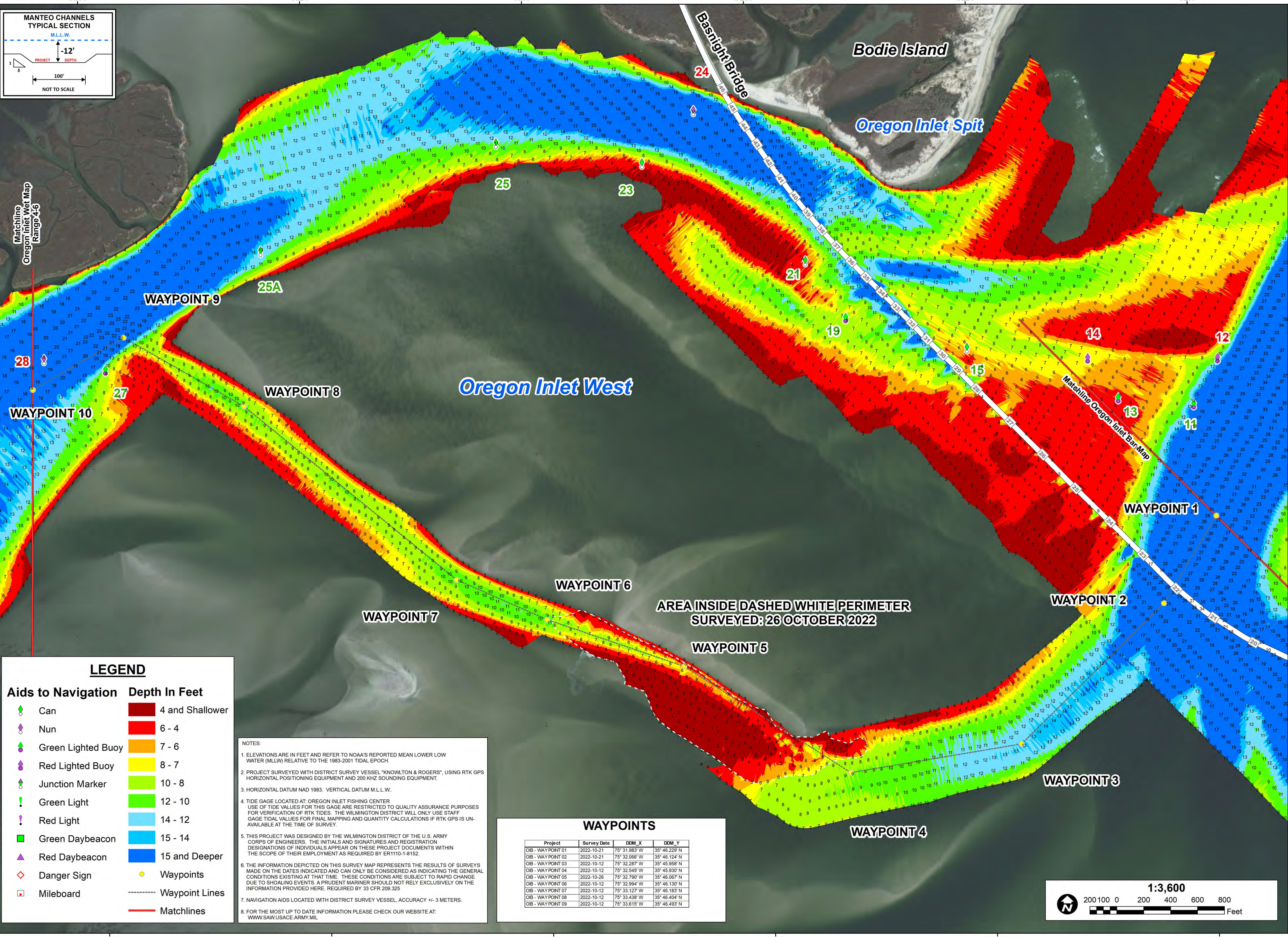
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
WILMINGTON, NORTH CAROLINA

MANTEO CHANNELS

Oregon Inlet West

Ranges 1-3

WANCHESSE, NORTH CAROLINA



## LEGEND

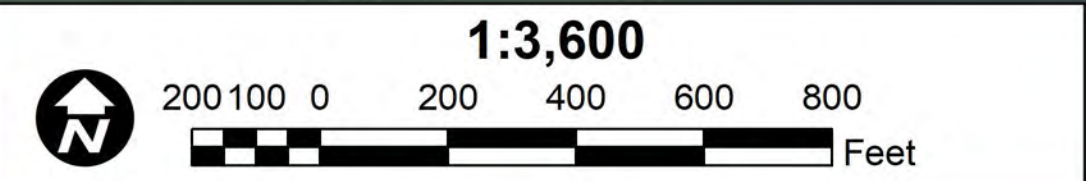
Aids to Navigation	Depth In Feet
Can	4 and Shallower
Nun	6 - 4
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Red Light	14 - 12
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Red Daybeacon	15 and Deeper
Danger Sign	Waypoints
Mileboard	Waypoint Lines
	Matchlines

### NOTES:

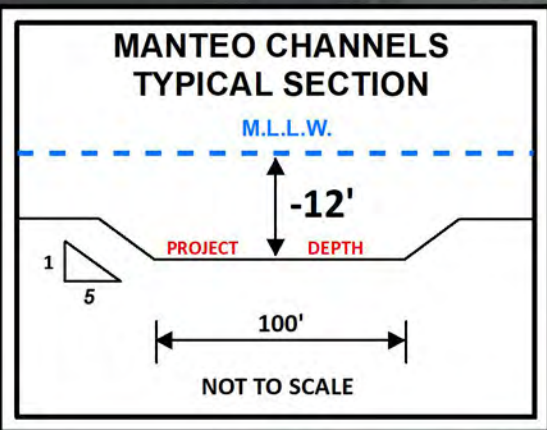
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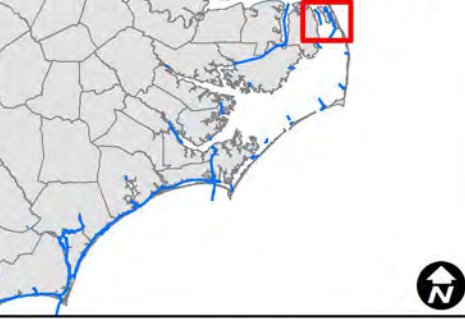




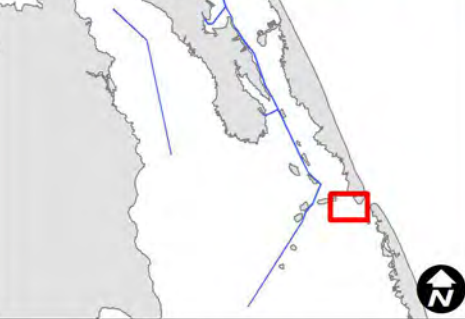


US Army Corps  
of Engineers  
Wilmington District

NORTH CAROLINA



Oregon Inlet West



SURVEY DATE: 30 JUNE, 12 & 21 OCTOBER 2022	SURVEYED BY: DCH, JBD, DJH, TMH, WJC, DJD
MAP DATE: 24 OCTOBER 2022	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,600	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 20 OCTOBER 2022	
© 2022 DIGITALGLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20221021_CS

HYDROGRAPHIC SURVEY

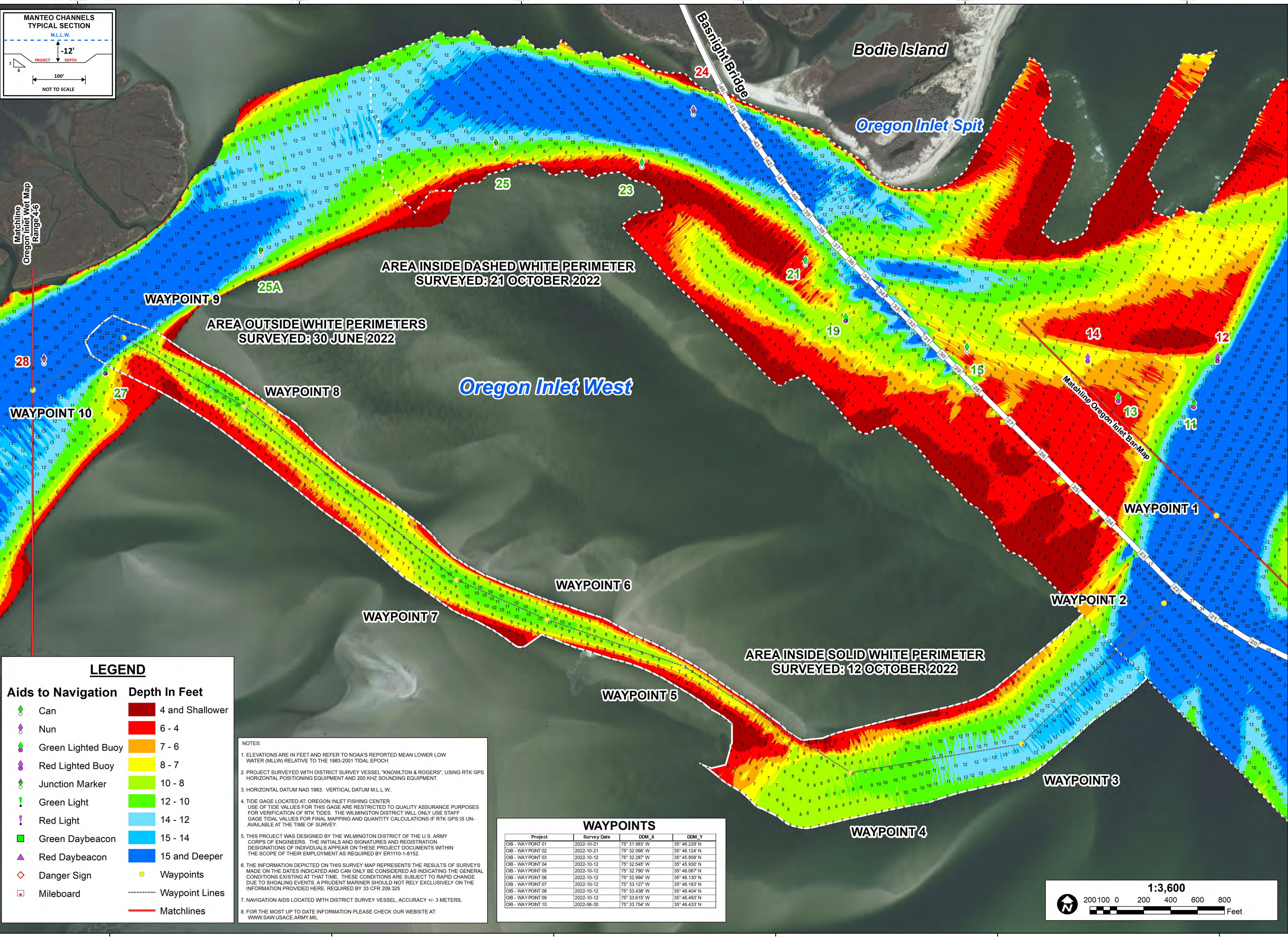
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
WILMINGTON, NORTH CAROLINA

MANTEO CHANNELS

Oregon Inlet West

Ranges 1-3

WANCHES, 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

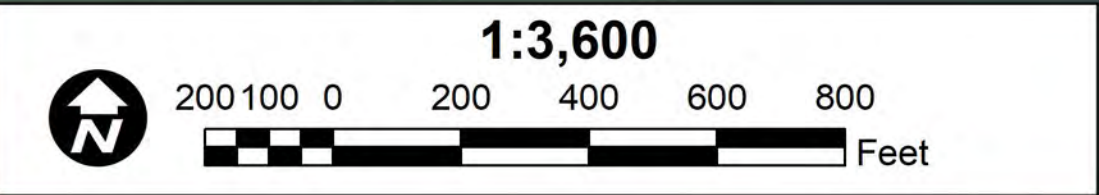
Waypoint Lines

Matchlines

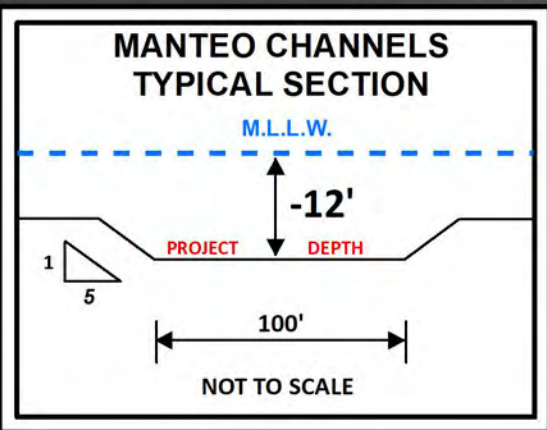
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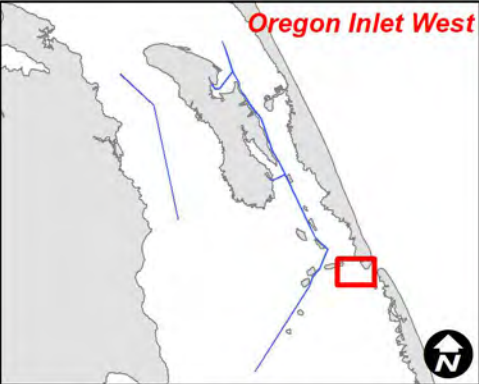
WAYPOINTS			
Project	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 01	2022-10-21	75° 31.983' W	35° 46.229' N
OIB - WAYPOINT 02	2022-10-21	75° 32.066' W	35° 46.124' N
OIB - WAYPOINT 03	2022-10-12	75° 32.287' W	35° 45.958' N
OIB - WAYPOINT 04	2022-10-12	75° 32.545' W	35° 45.930' N
OIB - WAYPOINT 05	2022-10-12	75° 32.790' W	35° 46.067' N
OIB - WAYPOINT 06	2022-10-12	75° 32.994' W	35° 46.130' N
OIB - WAYPOINT 07	2022-10-12	75° 33.127' W	35° 46.183' N
OIB - WAYPOINT 08	2022-10-12	75° 33.438' W	35° 46.404' N
OIB - WAYPOINT 09	2022-10-12	75° 33.615' W	35° 46.493' N
OIB - WAYPOINT 10	2022-06-30	75° 33.754' W	35° 46.433' N





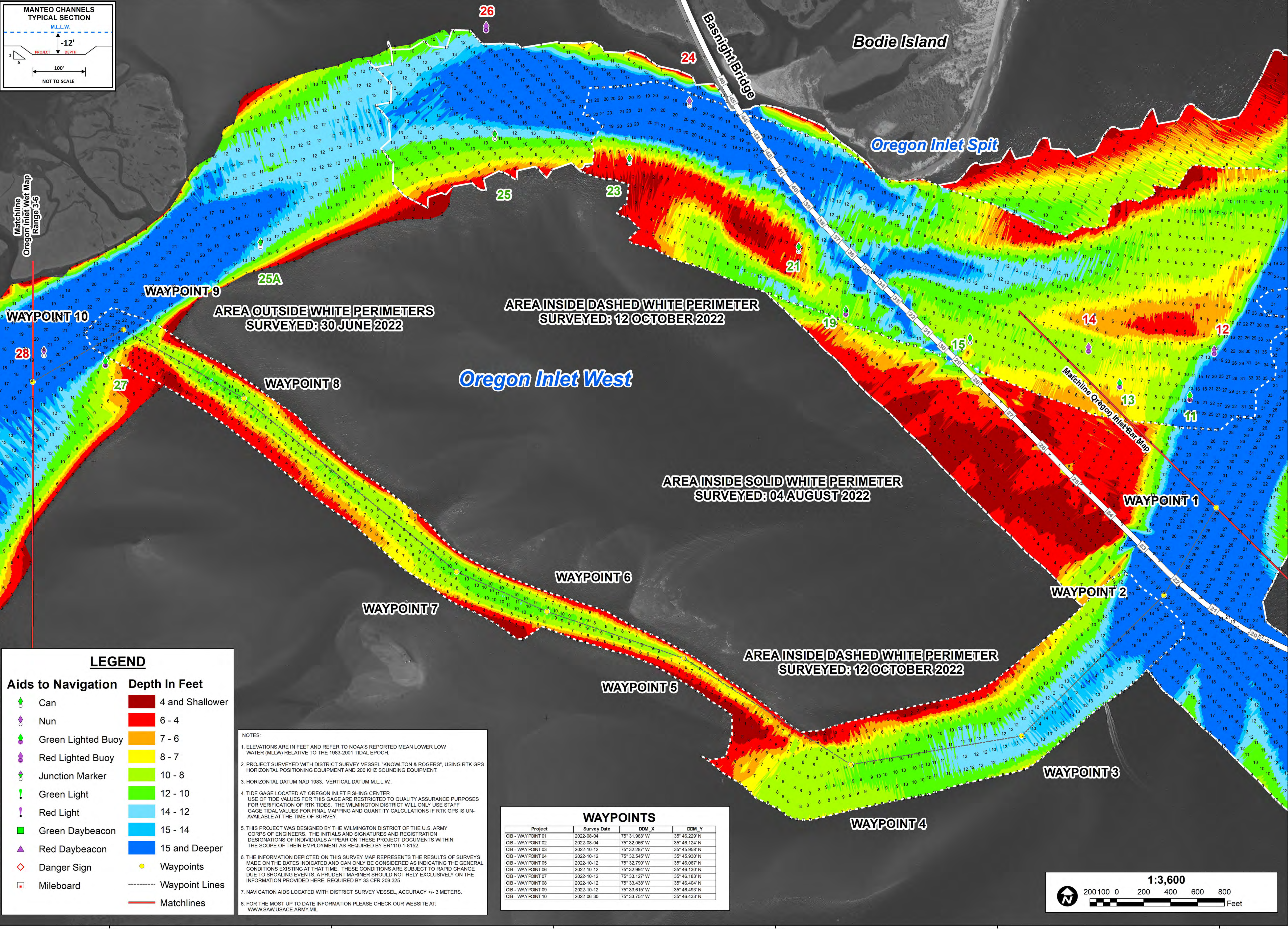


US Army Corps  
of Engineers  
Wilmington District



SURVEY DATE: 30 JUNE, 04 AUGUST, 12 OCTOBER 2022	SURVEYED BY: DCH, JBD, DJH, JJW, WJC, DJD
MAP DATE: 17 OCTOBER 2022	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,600	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 18 SEPTEMBER 2022	ATONS UPDATED 17 OCTOBER 2022
© 2022 DIGITAL GLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20221012_CS_UPDATE1

**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
WILMINGTON, NORTH CAROLINA  
**MANTEO CHANNELS**  
**Oregon Inlet West**  
**Ranges 1-3**  
WANCHES, 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

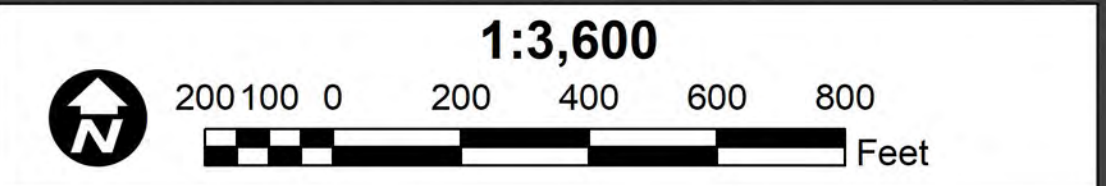
Waypoint Lines

Matchlines

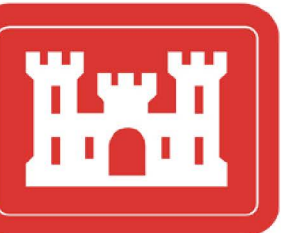
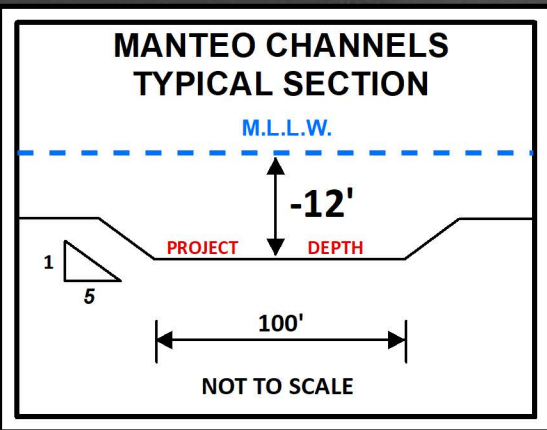
NOTES:

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OIB - WAYPOINT 05	2022-10-12	75° 32.799' W	35° 46.067' N
OIB - WAYPOINT 06	2022-10-12	75° 32.994' W	35° 46.130' N
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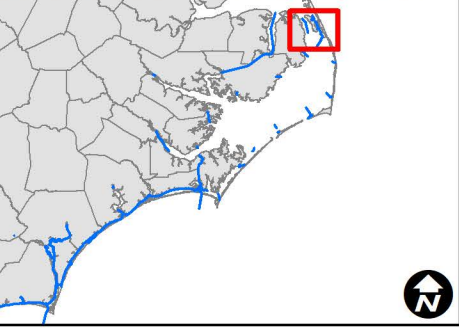




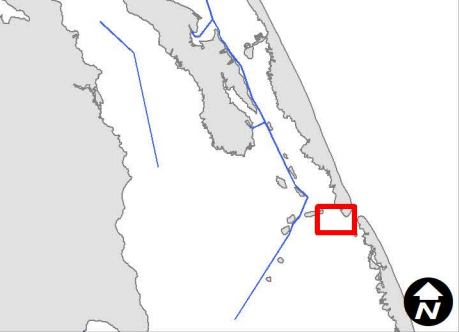


US Army Corps  
of Engineers  
Wilmington District

NORTH CAROLINA



Oregon Inlet West



SURVEY DATE: 30 JUNE, 04 AUGUST, 6 & 28 SEPTEMBER 2022	SURVEYED BY: DCH, JBD, DJH, JJW, WJC
MAP DATE: 30 SEPTEMBER 2022	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,600	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 18 SEPTEMBER 2022	
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HYDROGRAPHIC SURVEY

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

Oregon Inlet West

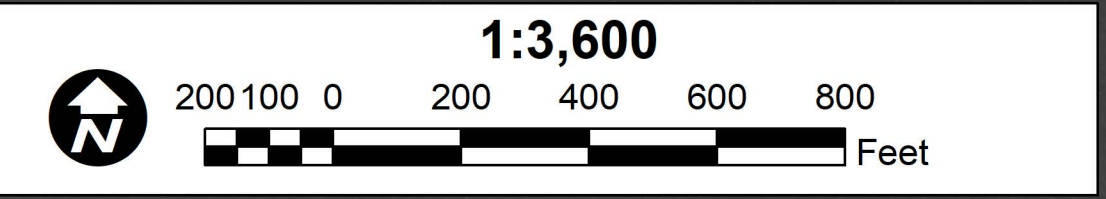
Ranges 1-3  
WANCHESSE, NORTH CAROLINA

**LEGEND**

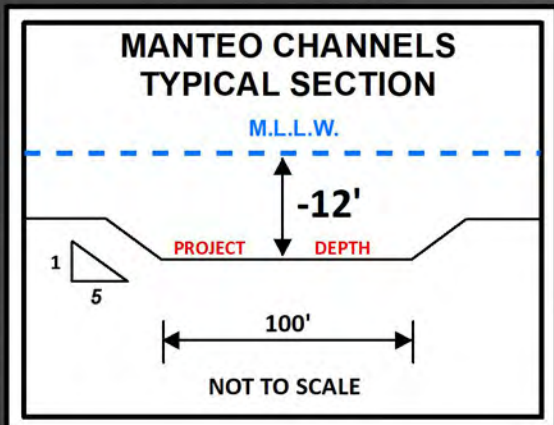
<b>Aids to Navigation</b>	<b>Depth In Feet</b>
Can	4 and Shallower
Nun	6 - 4
Green Lighted Buoy	7 - 6
Red Lighted Buoy	8 - 7
Junction Marker	10 - 8
Green Light	12 - 10
Red Light	14 - 12
Green Daybeacon	15 - 14
Red Daybeacon	15 and Deeper
Danger Sign	Matchlines
Mileboard	

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Project	Survey Date	DDM_X	DDM_Y
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OIB - WAYPOINT 4	2022-09-28	75° 32.790' W	35° 46.067' N
OIB - WAYPOINT 5	2022-09-28	75° 32.994' W	35° 46.130' N
OIB - WAYPOINT 6	2022-09-28	75° 33.127' W	35° 46.183' N
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OIB - WAYPOINT 8	2022-09-28	75° 33.615' W	35° 46.493' N





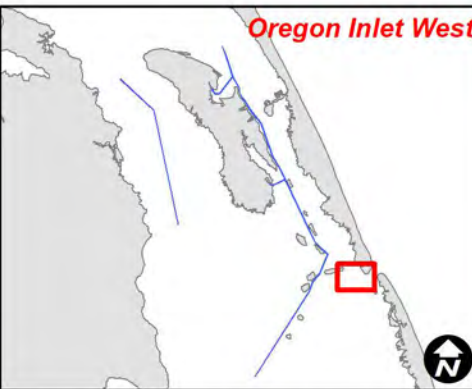


US Army Corps  
of Engineers  
Wilmington District

NORTH CAROLINA



Oregon Inlet West



SURVEY DATE: 30 JUNE, 04 AUGUST, 6 & 19 SEPTEMBER 2022	SURVEYED BY: DCH, JBD, DJH, JWW
MAP DATE: 20 SEPTEMBER 2022	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,600	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 18 SEPTEMBER 2022	
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**HYDROGRAPHIC SURVEY**

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

MANTEO CHANNELS

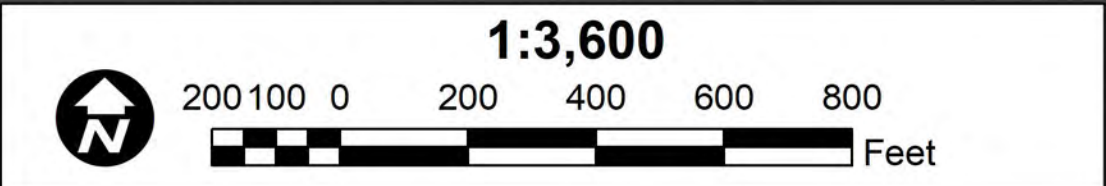
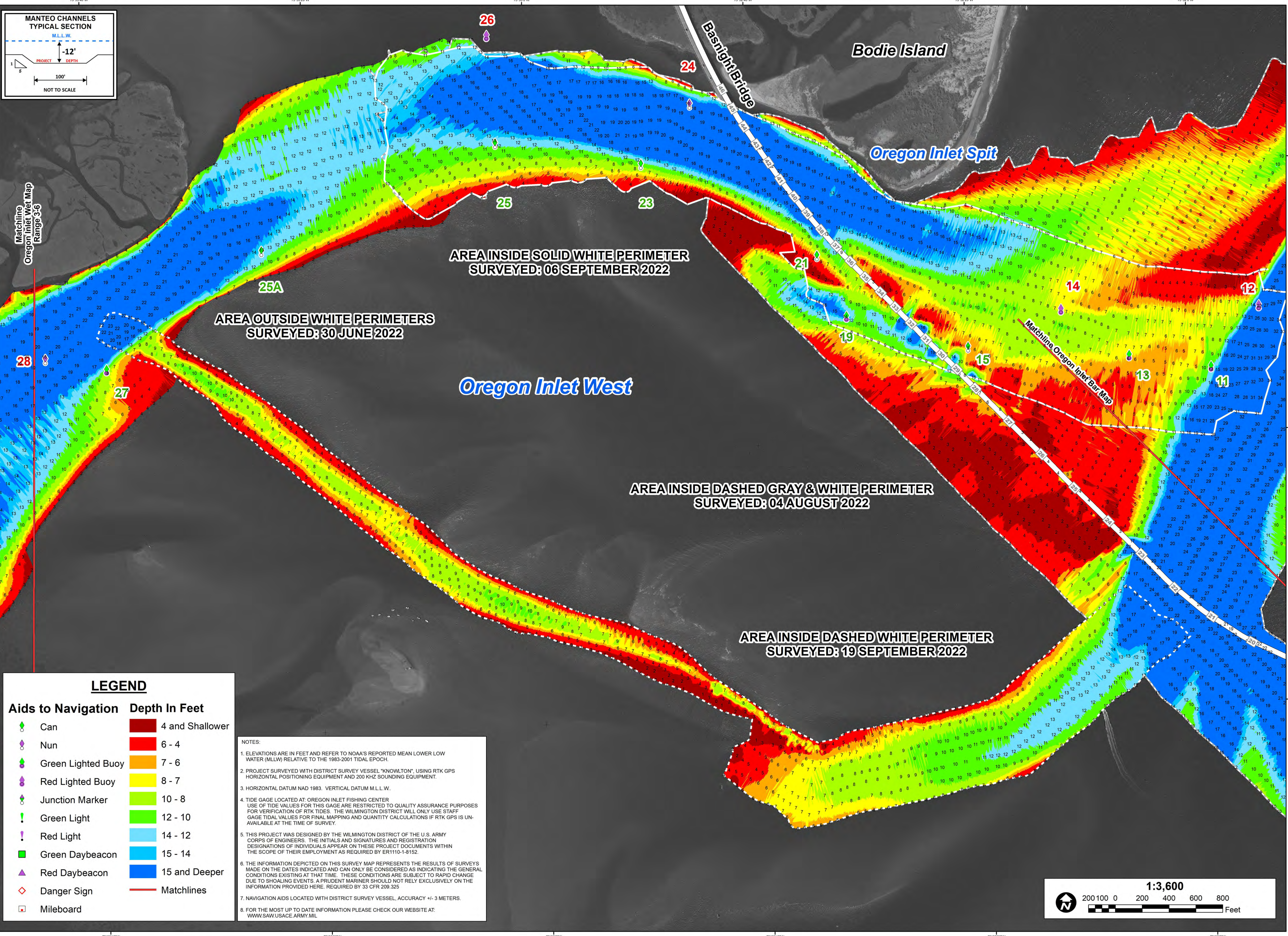
**Oregon Inlet West**

**Ranges 1-3**

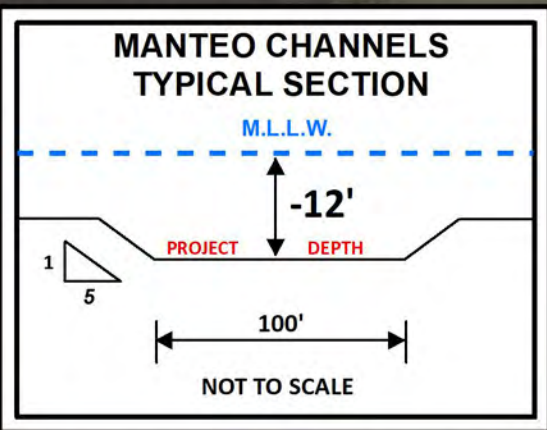
WANCHESSE, NORTH CAROLINA

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
	Matchlines

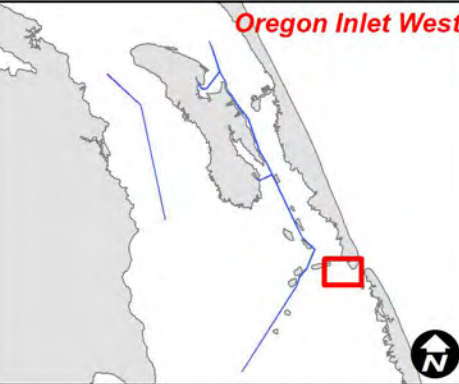
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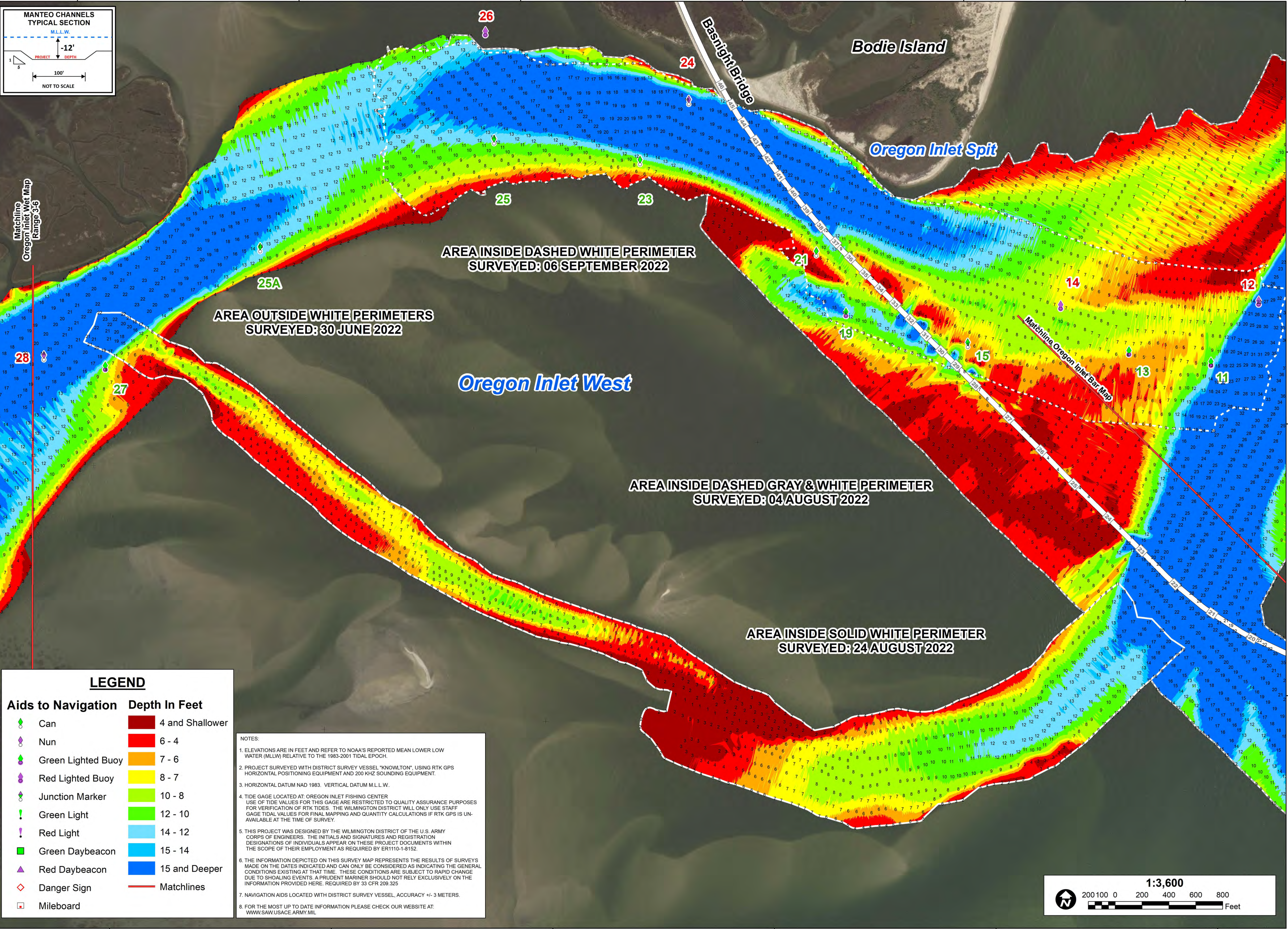




US Army Corps  
of Engineers  
Wilmington District



Matchline  
Oregon Inlet Wet Map  
Range 3-6



**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	Matchlines
Mileboard	

NOTES:

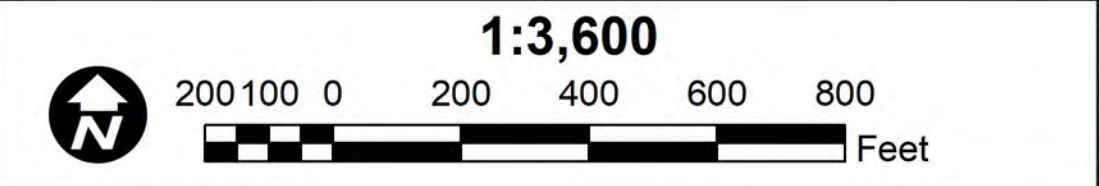
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AREA INSIDE DASHED GRAY & WHITE PERIMETER  
SURVEYED: 04 AUGUST 2022

AREA INSIDE DASHED WHITE PERIMETER  
SURVEYED: 06 SEPTEMBER 2022

AREA OUTSIDE WHITE PERIMETERS  
SURVEYED: 30 JUNE 2022

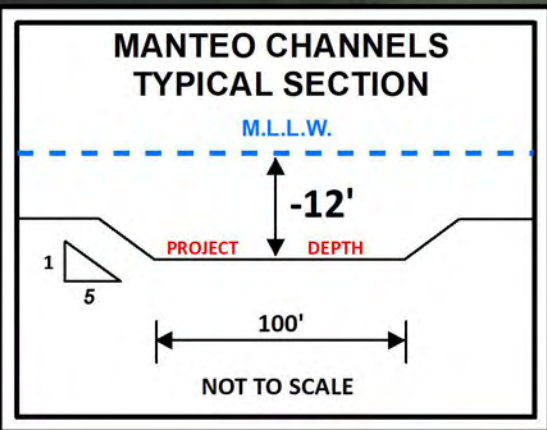
AREA INSIDE SOLID WHITE PERIMETER  
SURVEYED: 24 AUGUST 2022



SURVEY DATE: 30 JUNE, 04 & 24 AUGUST & 06 SEPTEMBER 2022	SURVEYED BY: DCH, JBD
MAP DATE: 07 SEPTEMBER 2022	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,600	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 05 AUGUST 2022	
© 2022 DIGITALGLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20220906_CS

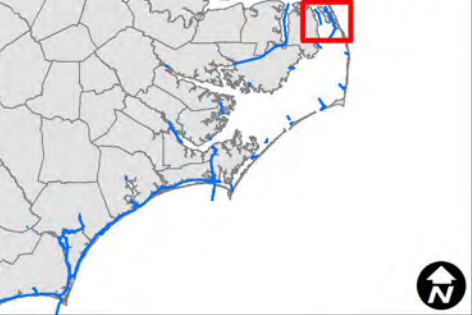
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U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
WILMINGTON, NORTH CAROLINA  
**MANTEO CHANNELS**  
**Oregon Inlet West**  
**Ranges 1-3**  
WANCHESSE, NORTH CAROLINA



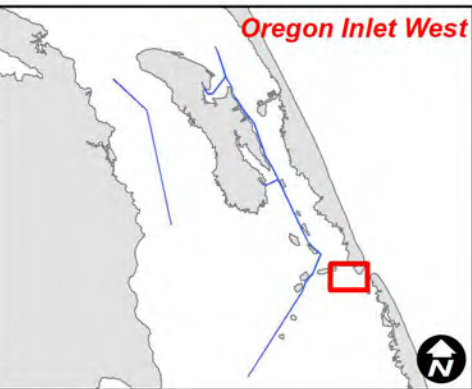


US Army Corps  
of Engineers  
Wilmington District

NORTH CAROLINA



Oregon Inlet West



SURVEY DATE: 30 JUNE, 04 & 24 AUGUST 2022	SURVEYED BY: DCH, JBD
MAP DATE: 25 AUGUST 2022	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,600	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 05 AUGUST 2022	
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HYDROGRAPHIC SURVEY

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

MANTEO CHANNELS

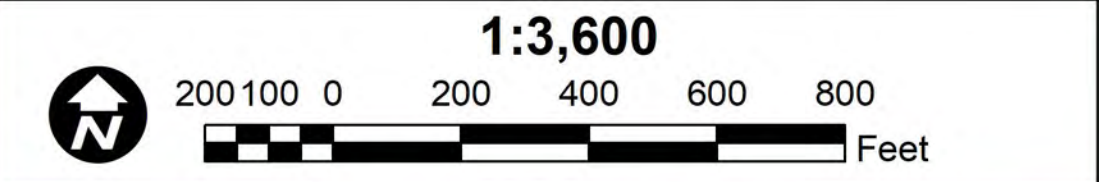
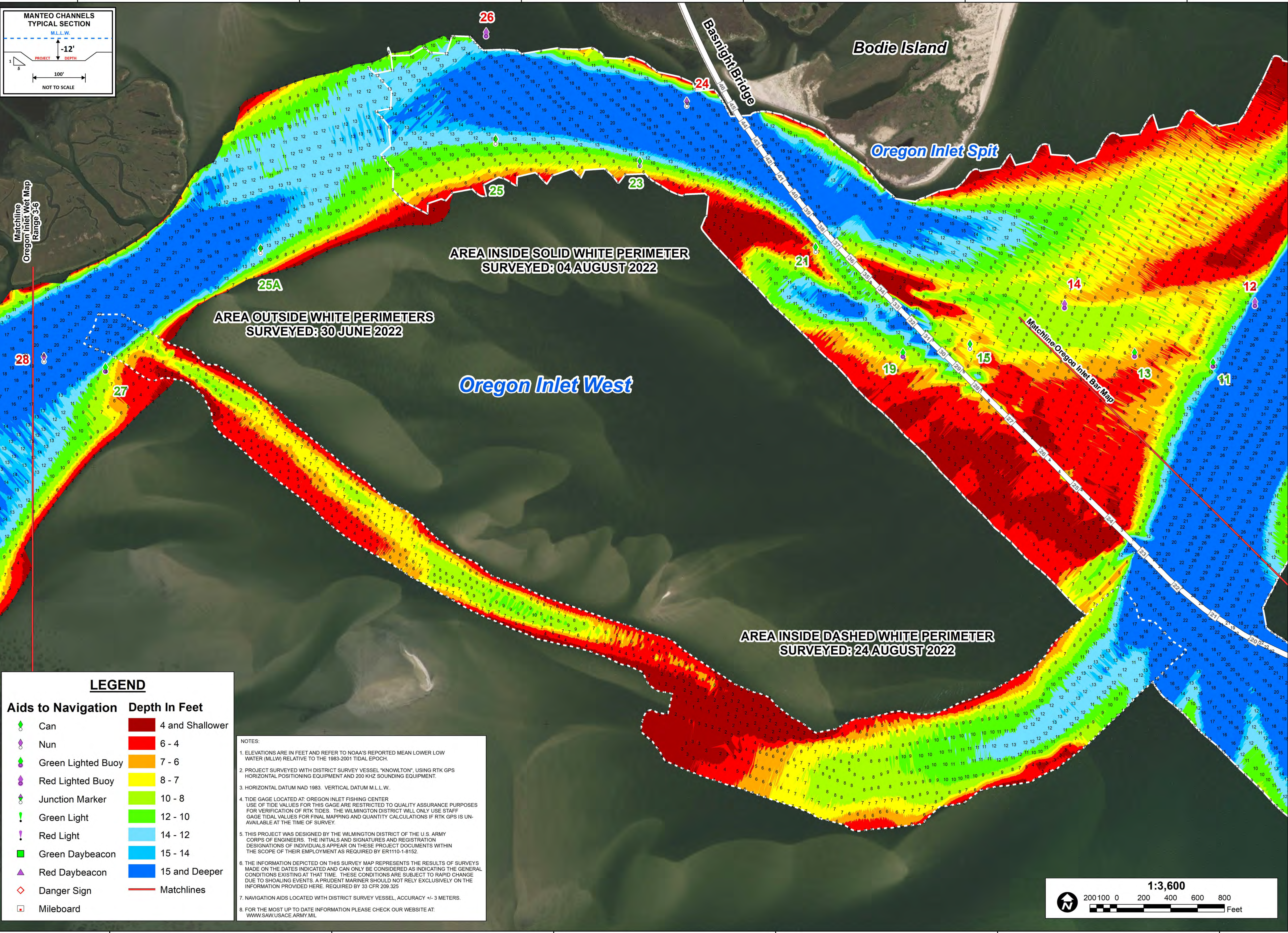
Oregon Inlet West

Ranges 1-3

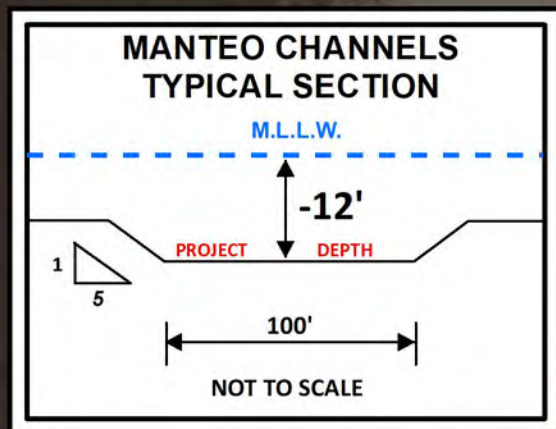
WANCHESSE, NORTH CAROLINA

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
	Matchlines

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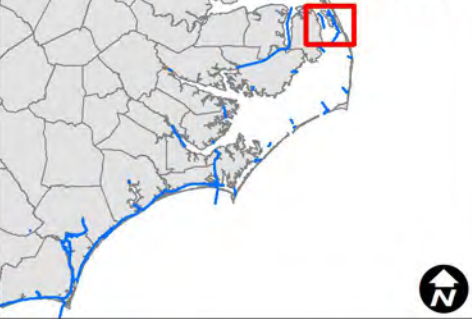




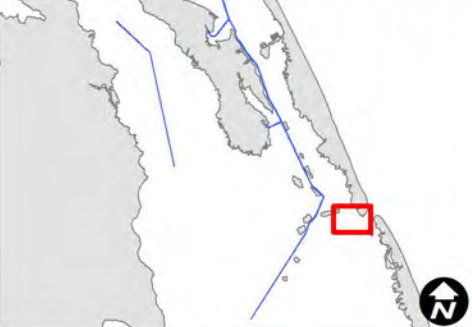


US Army Corps  
of Engineers  
Wilmington District

NORTH CAROLINA



Oregon Inlet West



SURVEYED BY: DCH	SURVEY DATE: 09, 04 AUGUST 2022
MAPPED BY: KTOPNURA	MAP DATE: 18 AUGUST 2022
PROCESSED BY: KTOPNAGF	MAP SCALE: 1:3,600
	IMAGERY DATE: 23 JULY 2022
MAP FILE NAME: MN_01_OIB_20220805_CS_NEW	© 2022 DIGITALGLOBE NEXTVIEW LICENSE

**HYDROGRAPHIC SURVEY**

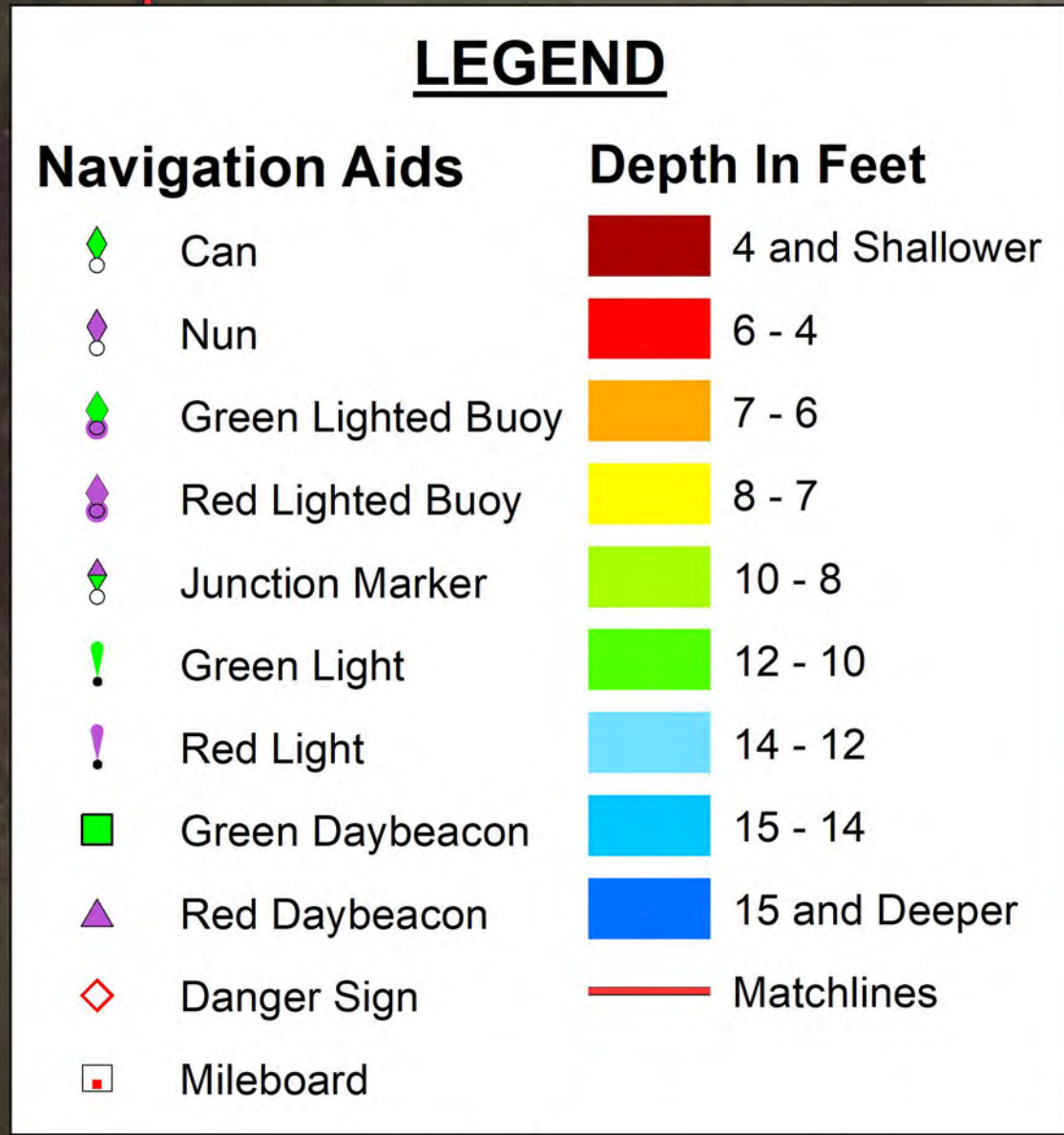
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
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MANTEO CHANNELS

**Oregon Inlet West**

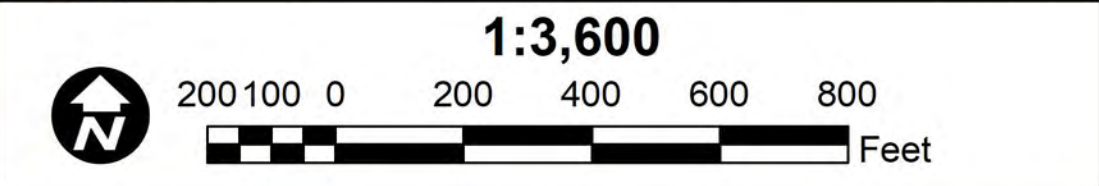
Ranges 1-3

WANCHESSE, NORTH CAROLINA

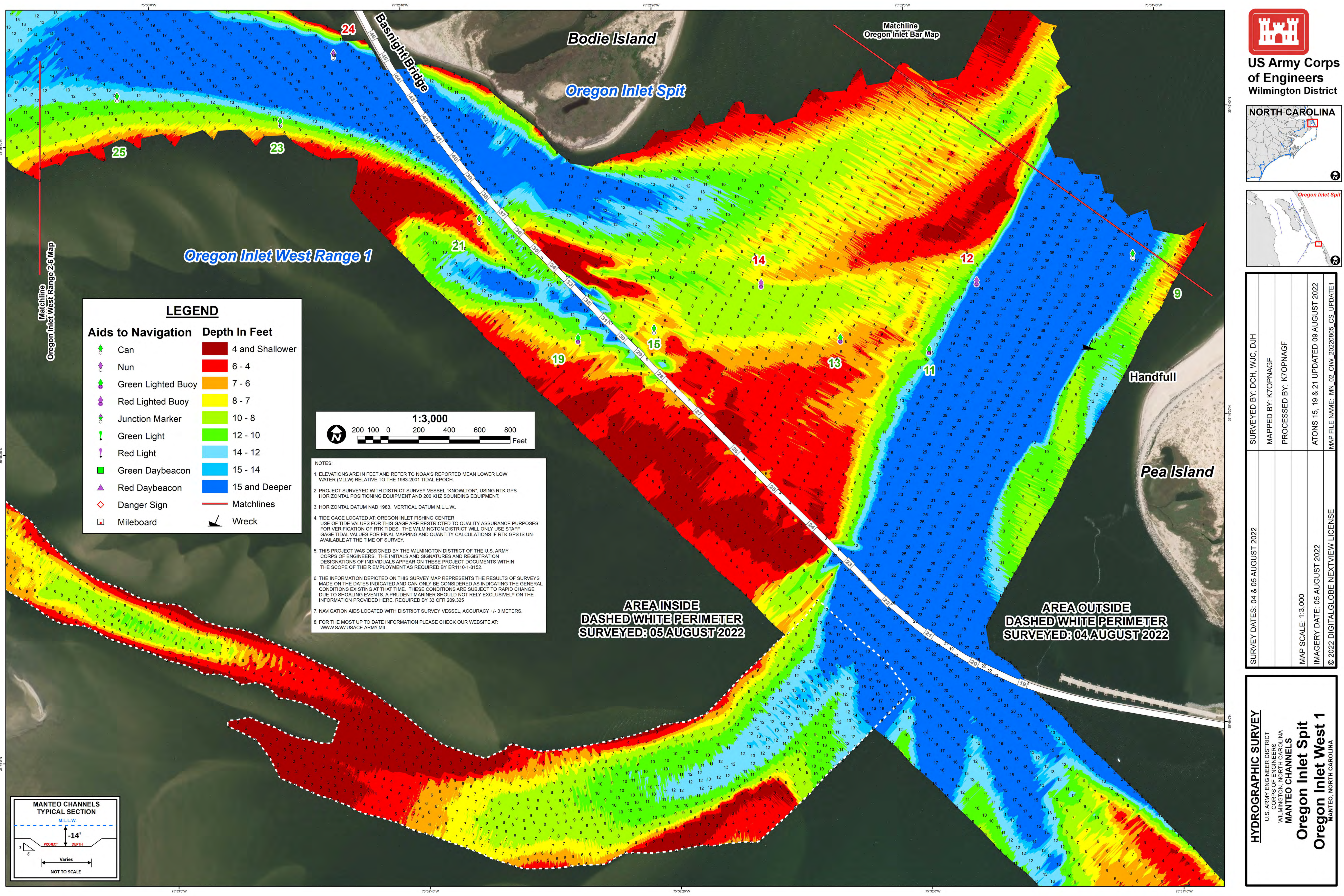



NOTES:

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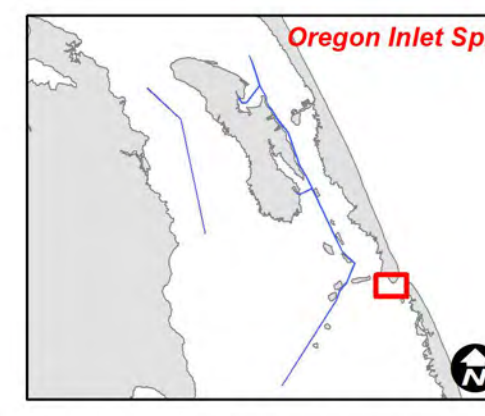


**US Army Corps  
of Engineers**  
Wilmington District

**NORTH CAROLINA**



**Oregon Inlet Spit**



SURVEYED BY: DCH, WJC, DJH	SURVEY DATES: 04 & 05 AUGUST 2022
MAPPED BY: KTOPNAGF	
PROCESSED BY: KTOPNAGF	
ATONS 15, 19 & 21 UPDATED 09 AUGUST 2022	
MAP FILE NAME: MN_02_OIW_20220805_CS_UPDATE1	
MAP SCALE: 1:3,000	
IMAGERY DATE: 05 AUGUST 2022	
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**HYDROGRAPHIC SURVEY**

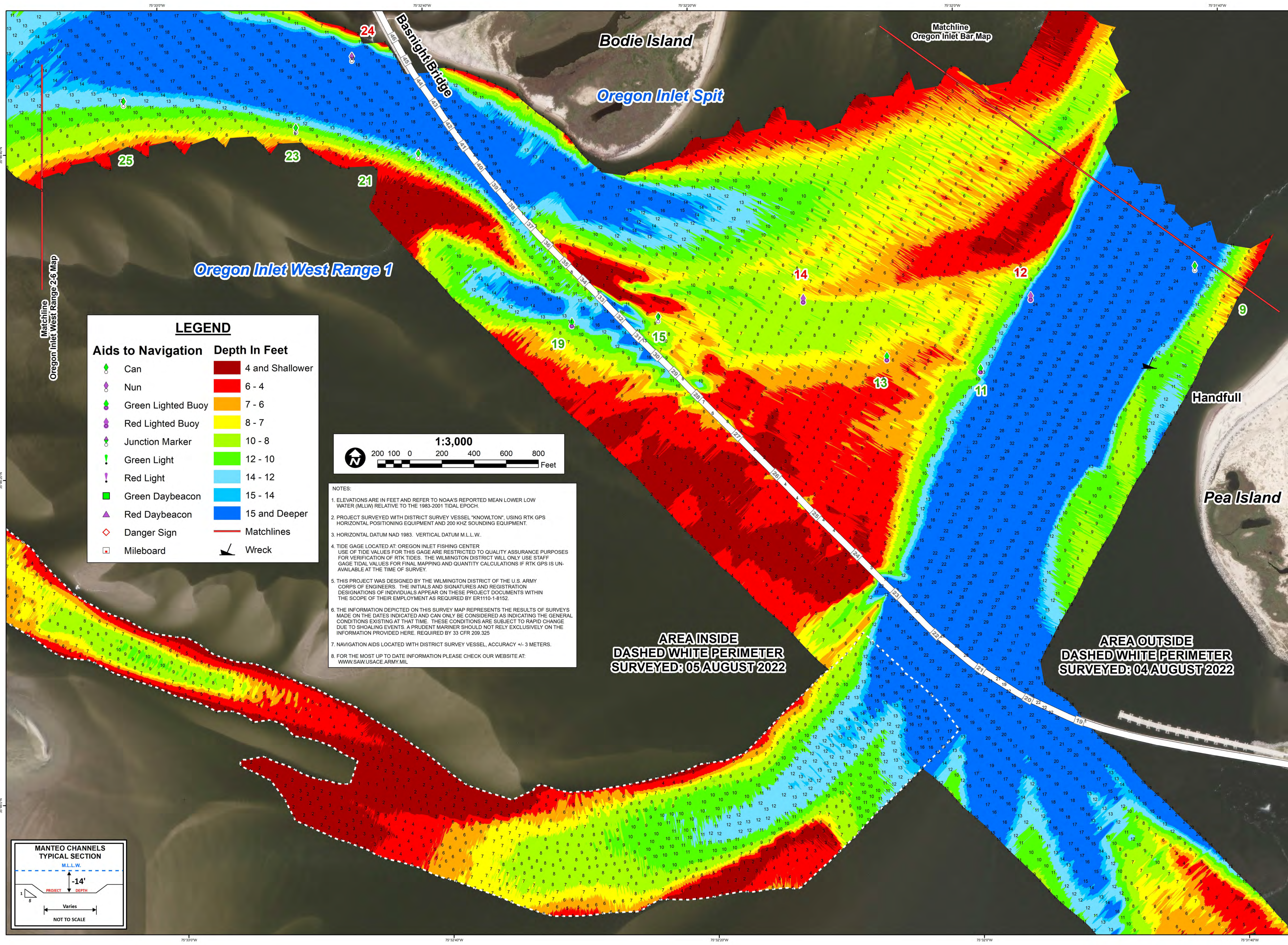
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
WILMINGTON, NORTH CAROLINA  
**MANTEO CHANNELS**

**Oregon Inlet Spit**

**Oregon Inlet West 1**

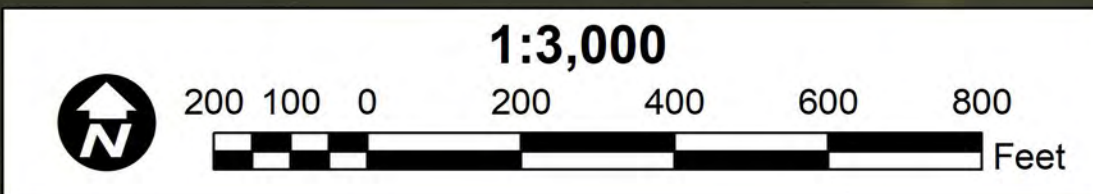
MANTEO, NORTH CAROLINA





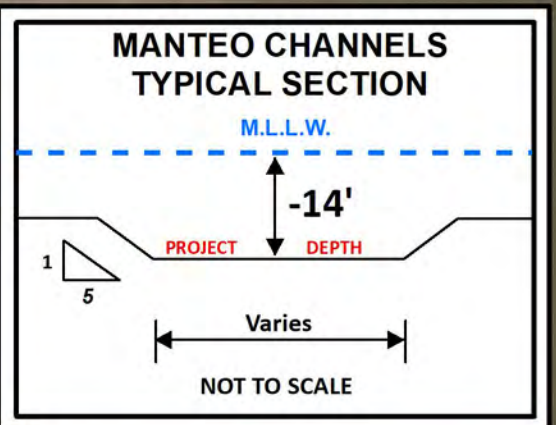
**LEGEND**

Aids to Navigation	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	Matchlines
Mileboard	Wreck



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**US Army Corps of Engineers**  
Wilmington District

**NORTH CAROLINA**

**Oregon Inlet Spit**

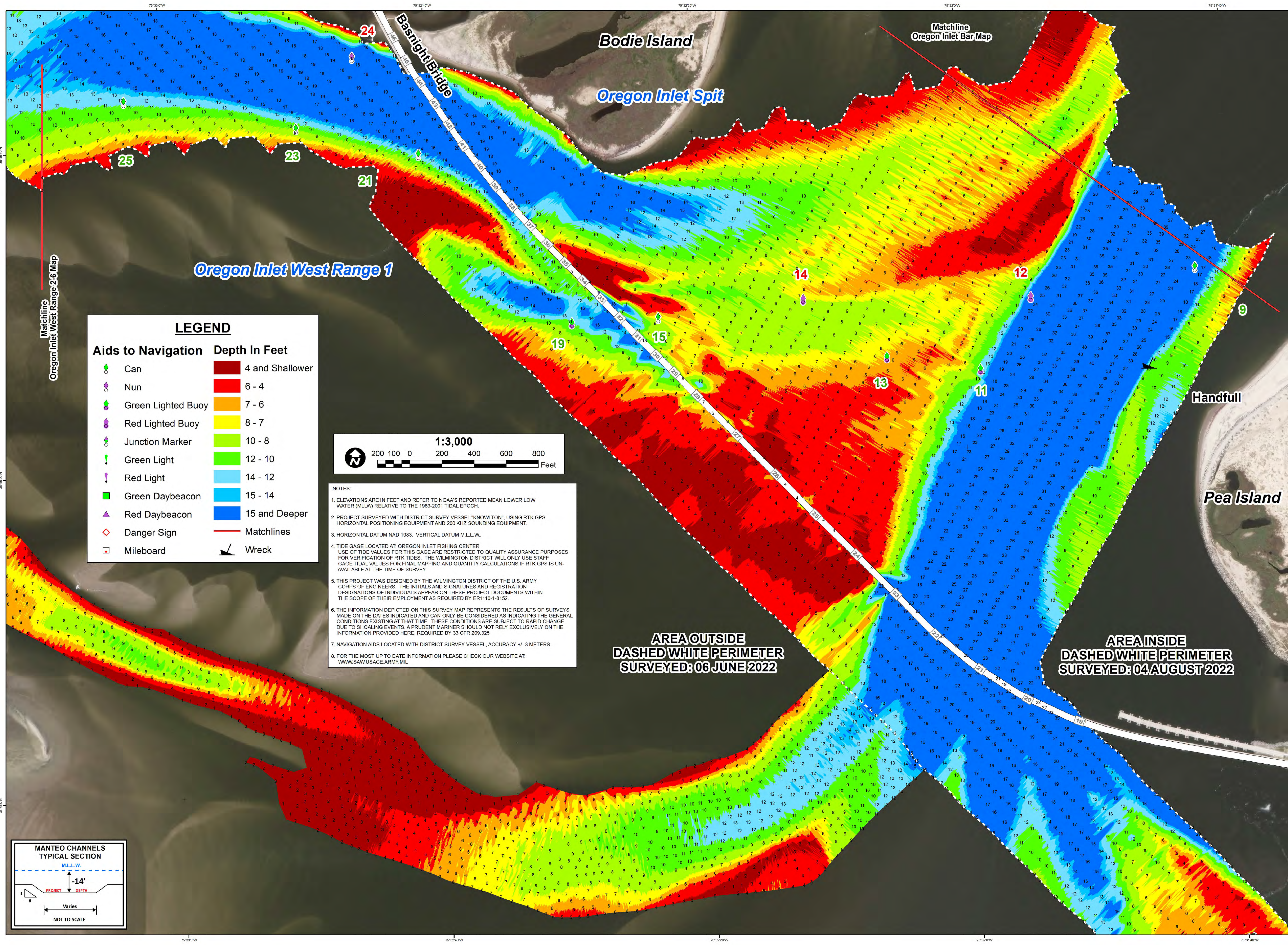
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	PROCESSED BY: KTOPNAGF
MAP SCALE: 1:3,000	
IMAGERY DATE: 23 JULY 2022	
© 2022 DIGITAL GLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_02_OIW_20220805_CS

**HYDROGRAPHIC SURVEY**

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

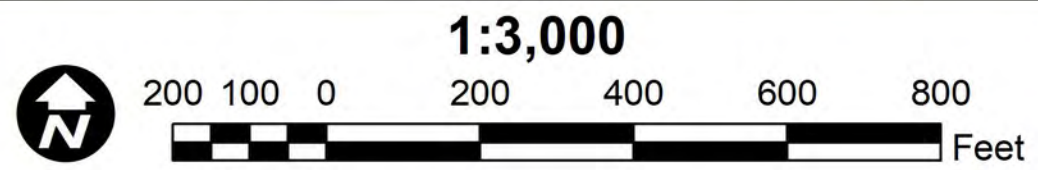
**Oregon Inlet Spit**  
**Oregon Inlet West 1**  
MANTEO, NORTH CAROLINA



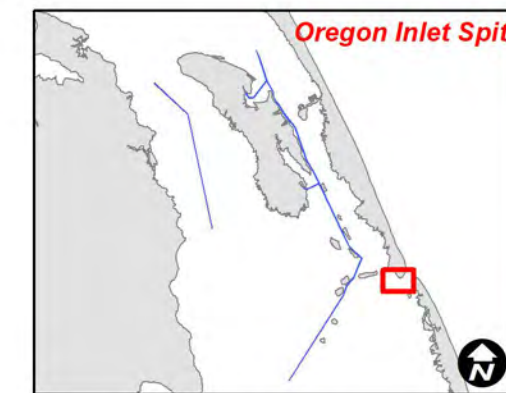
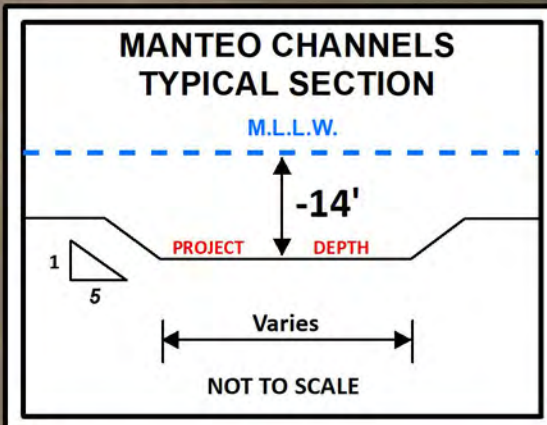


### LEGEND

Aids to Navigation	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	Matchlines
Mileboard	Wreck



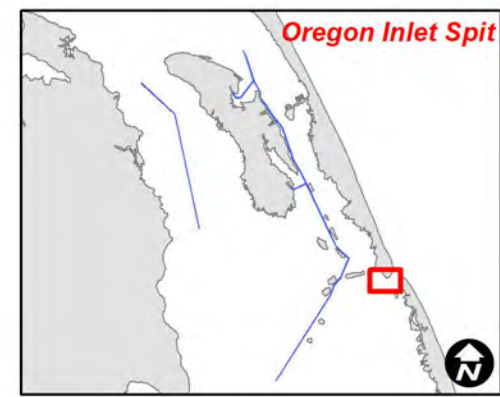
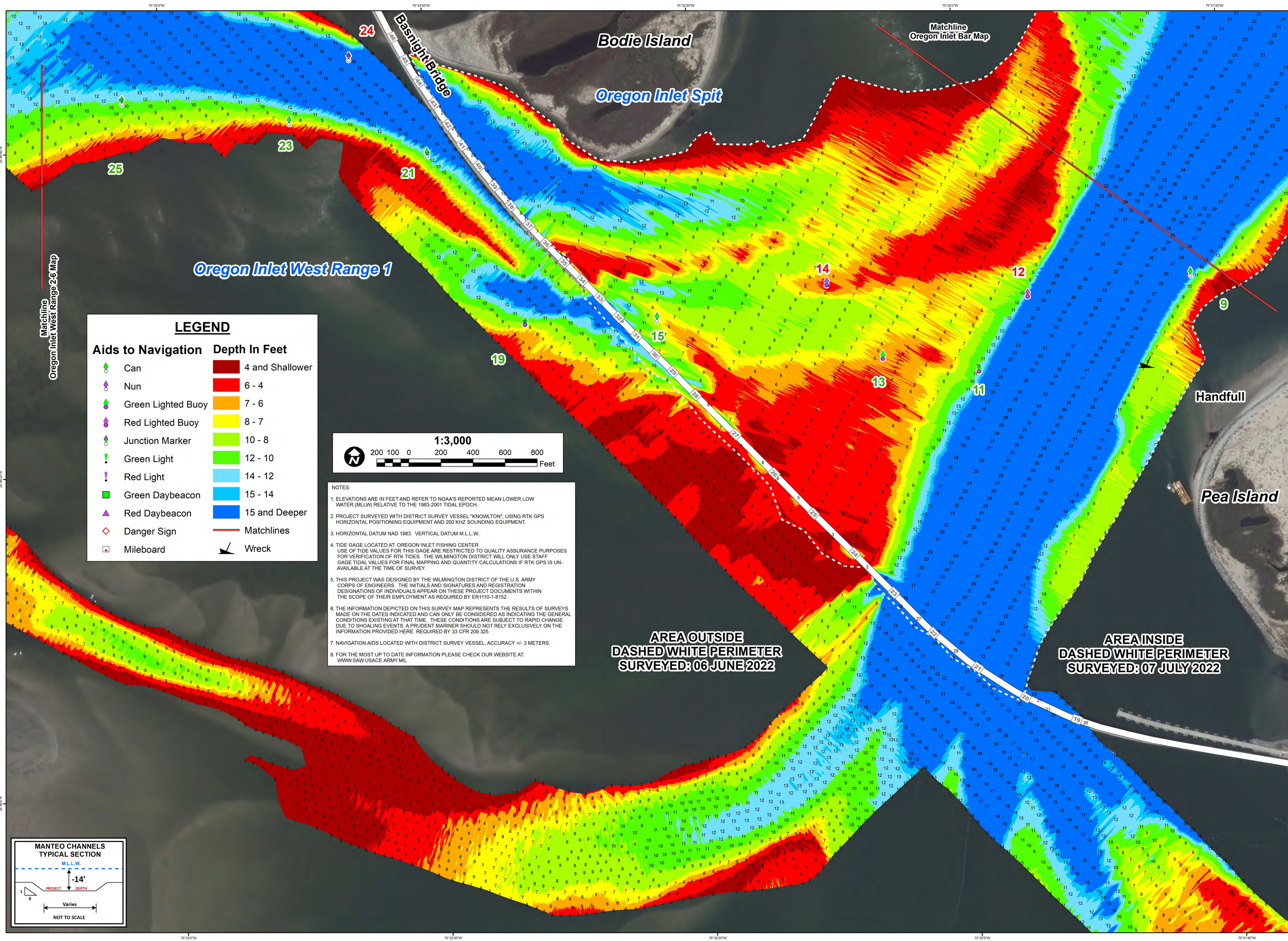
- NOTES:
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  - PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "KNOWLTON", USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
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SURVEY DATES: 06 JULY & 04 AUGUST 2022	SURVEYED BY: DCH, WJC, DJH
	MAPPED BY: KTOPNAGF
	PROCESSED BY: KTOPNAGF
MAP SCALE: 1:3,000	
IMAGERY DATE: 23 JULY 2022	
© 2022 DIGITAL GLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20220804_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: DCH, WJC	
MAPPED BY: KTOPNAGF	
PROCESSED BY: KTOPNAGF	
MAP SCALE: 1:3,000	
IMAGERY DATE: 29 MAY 2022	
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MAP FILE NAME: MN_01_OIB_20220707_CS	

**HYDROGRAPHIC SURVEY**

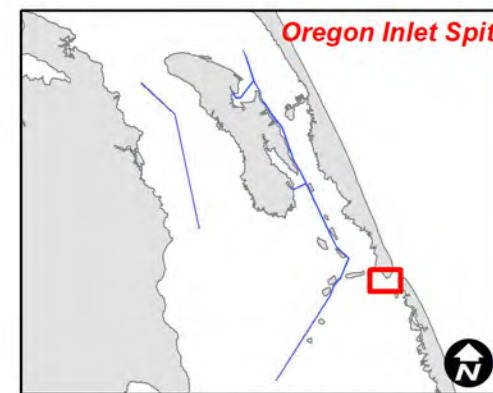
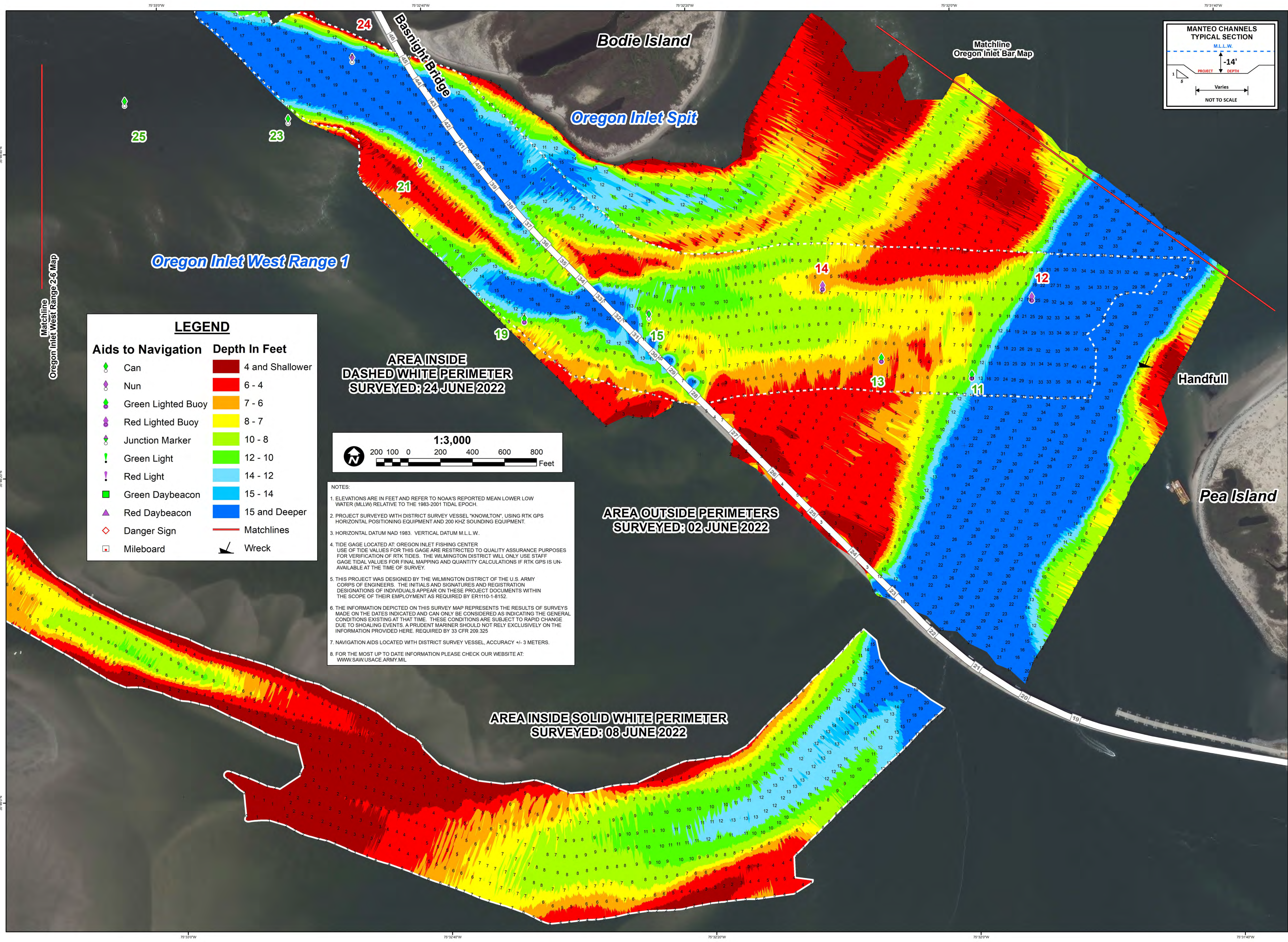
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
WILMINGTON, NORTH CAROLINA  
**MANTEO CHANNELS**

**Oregon Inlet Spit**

**Oregon Inlet West 1**

MANTEO, NORTH CAROLINA





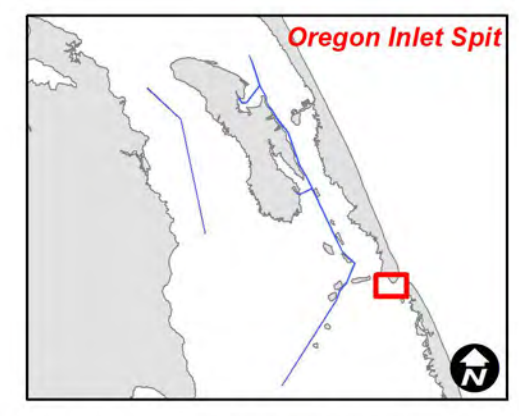
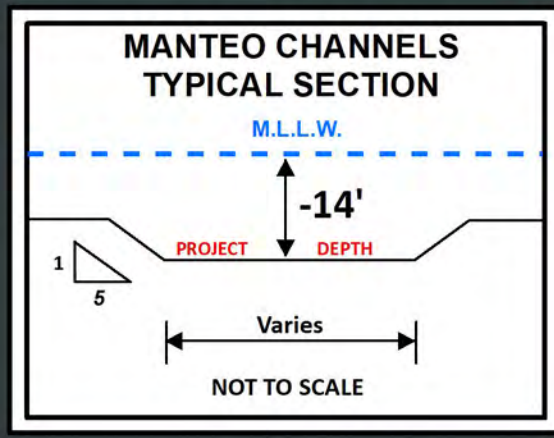
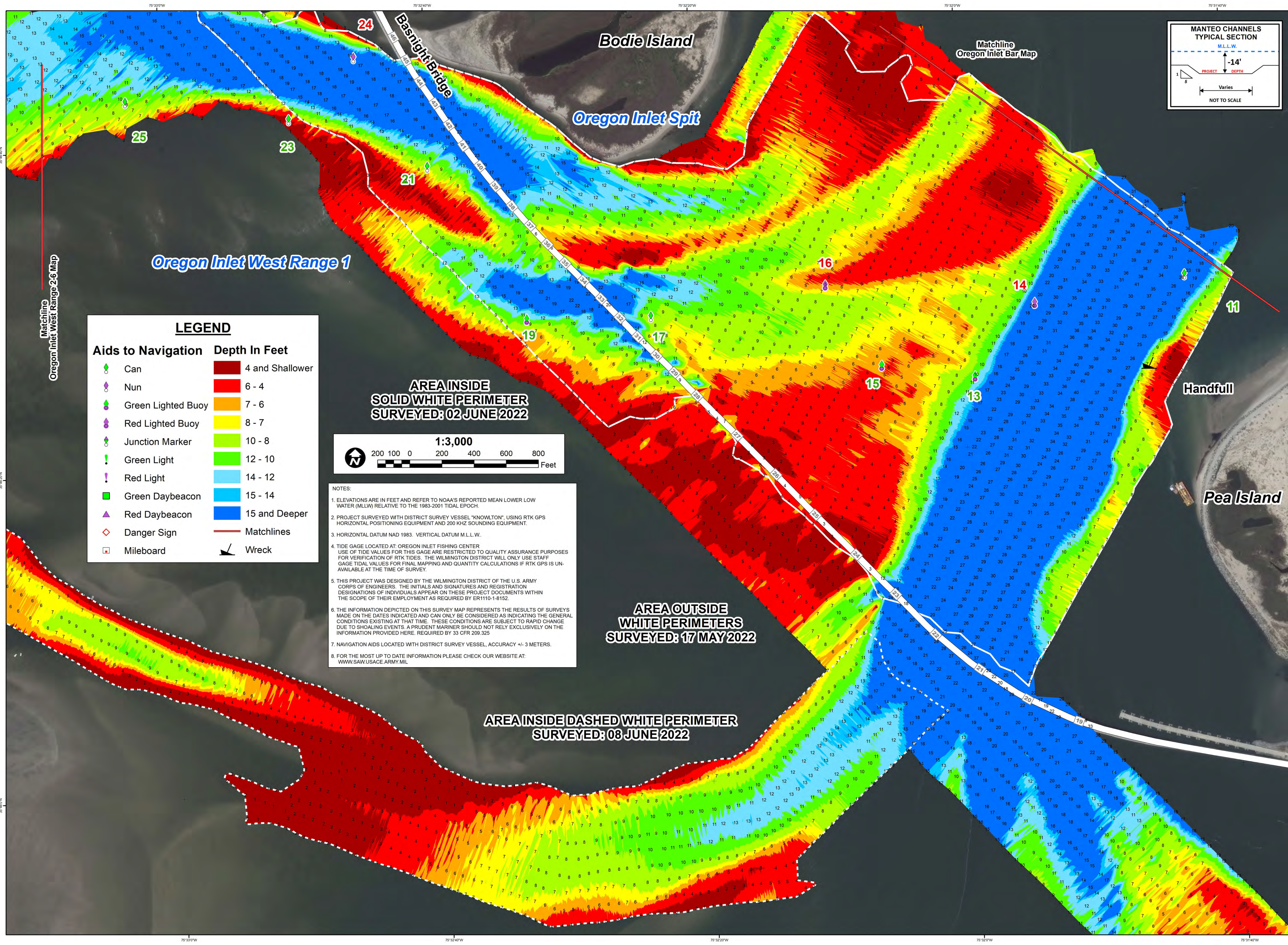
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MAP DATE: 27 JUNE 2022	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,000	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 29 MAY 2022	
© 2022 DIGITAL GLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20220624_CS

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: DCH, WJC, SSS, MAS	
MAPPED BY: KTOPNAGF	
PROCESSED BY: KTOPNAGF	
MAP FILE NAME: MN_01_OIB_20220608_CS	
SURVEY DATE: 17 MAY, 02 & 08 JUNE 2022	
MAP DATE: 09 JUNE 2022	
MAP SCALE: 1:3,000	
IMAGERY DATE: 29 MAY 2022	
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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

Matchlines

Wreck

AREA INSIDE  
SOLID WHITE PERIMETER  
SURVEYED: 02 JUNE 2022

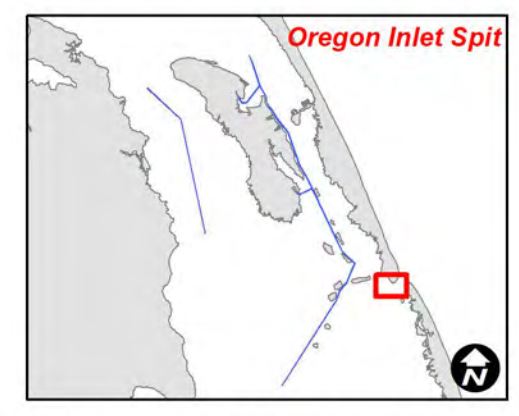
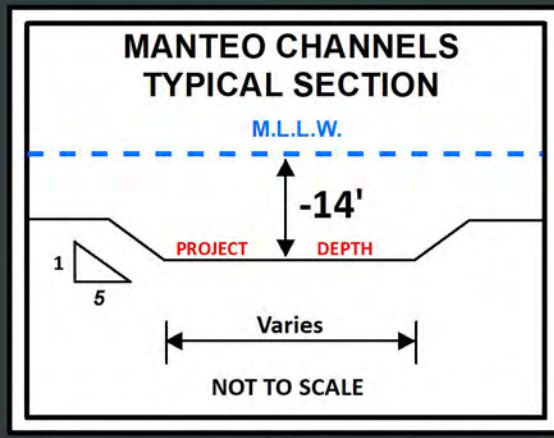
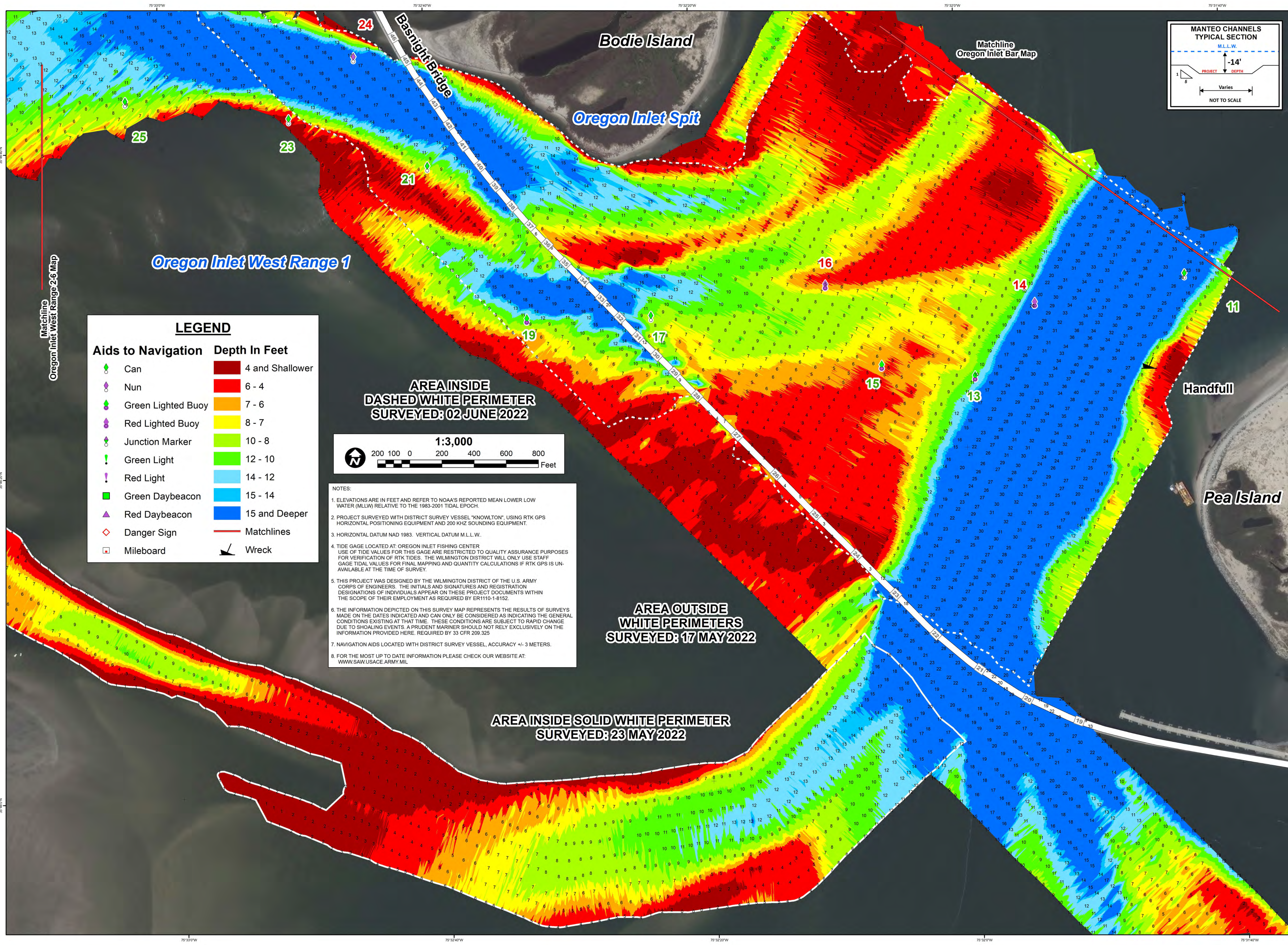
1:3,000  
200 100 0 200 400 600 800 Feet

NOTES:  
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AREA OUTSIDE  
WHITE PERIMETERS  
SURVEYED: 17 MAY 2022

AREA INSIDE DASHED WHITE PERIMETER  
SURVEYED: 03 JUNE 2022





SURVEYED BY: DCH, WJC, SSS, JMB, MAS	SURVEY DATE: 17 & 23 MAY, 02 JUNE 2022
MAPPED BY: KTOPNAGF	MAP DATE: 03 JUNE 2022
PROCESSED BY: KTOPNAGF	
MAP SCALE: 1:3,000	
IMAGERY DATE: 29 MAY 2022	
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MAP FILE NAME: MN_01_OIB_20220602_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

**AREA INSIDE DASHED WHITE PERIMETER SURVEYED: 02 JUNE 2022**

**AREA OUTSIDE WHITE PERIMETERS SURVEYED: 17 MAY 2022**

**AREA INSIDE SOLID WHITE PERIMETER SURVEYED: 23 MAY 2022**

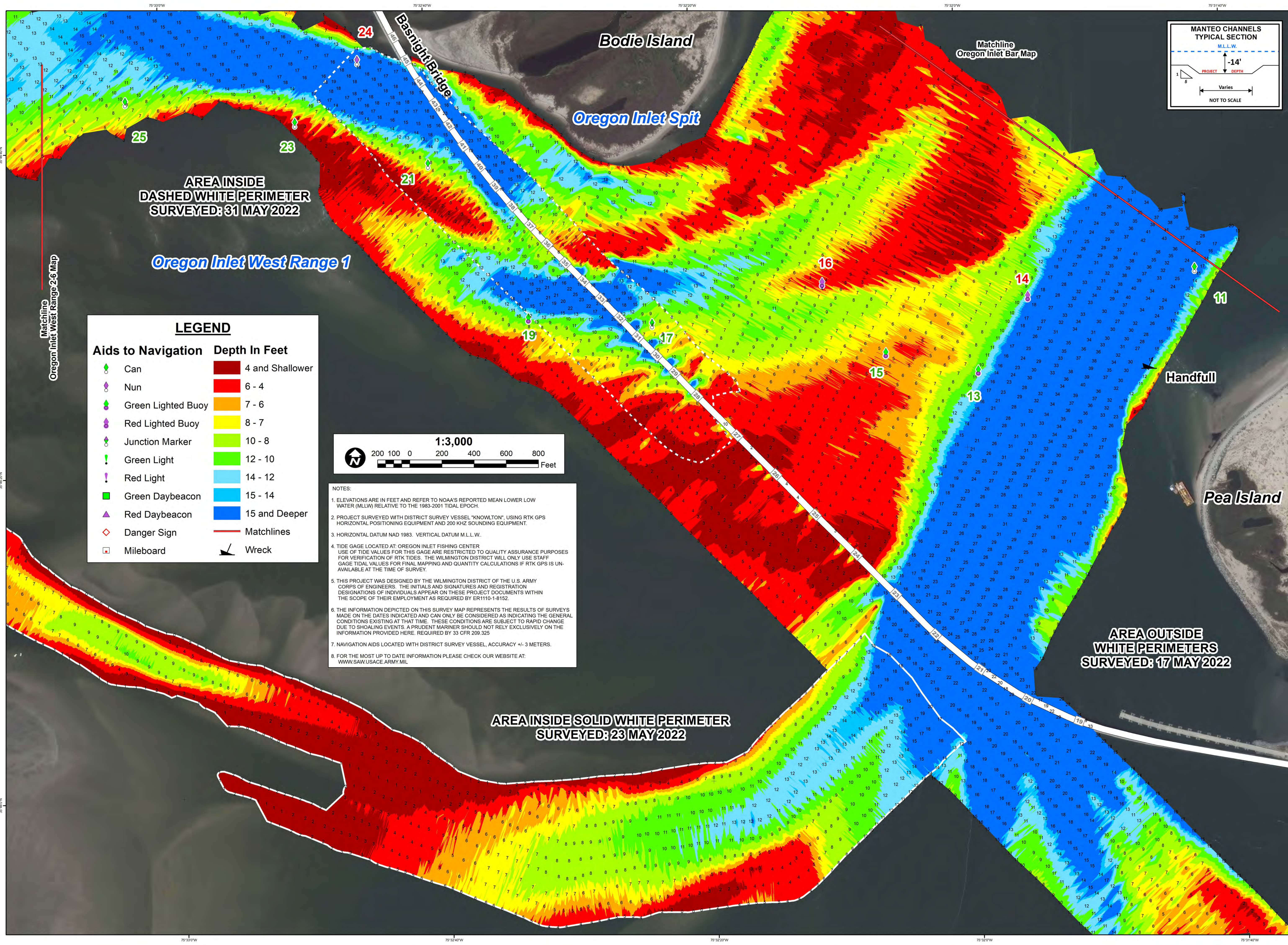
**LEGEND**


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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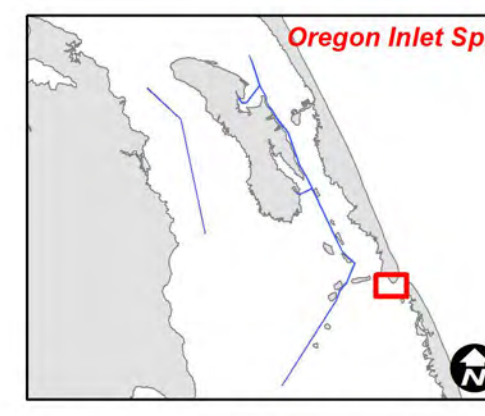


**US Army Corps of Engineers**  
Wilmington District

**NORTH CAROLINA**



**Oregon Inlet Spit**



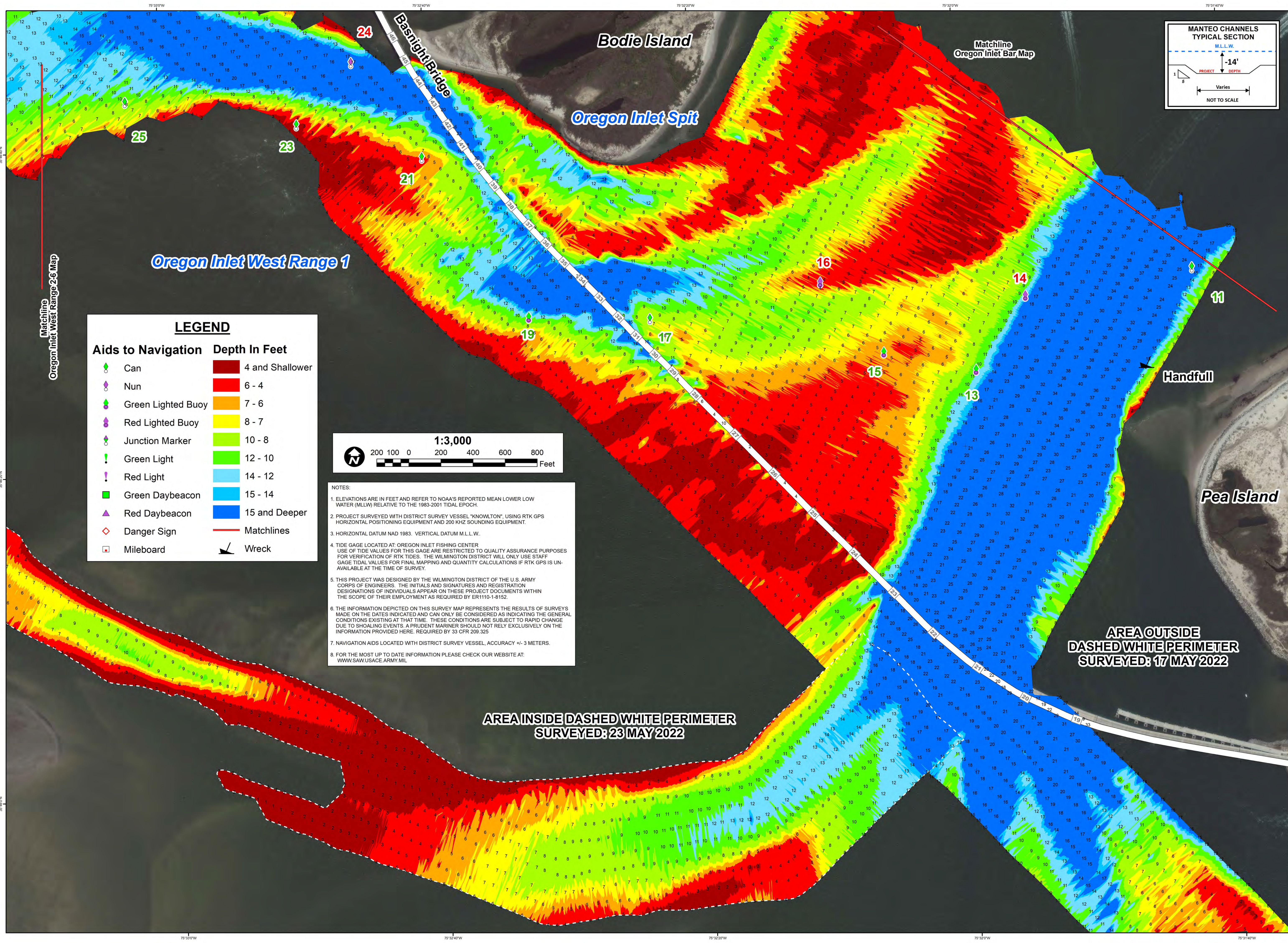
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MAPPED BY: KTOPNAGF	MAP DATE: 01 JUNE 2022
PROCESSED BY: KTOPNAGF	MAP SCALE: 1:3,000
	IMAGERY DATE: 29 MAY 2022
MAP FILE NAME: MN_01_OIB_20220531_CS	© 2022 DIGITAL GLOBE NEXTVIEW LICENSE

**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



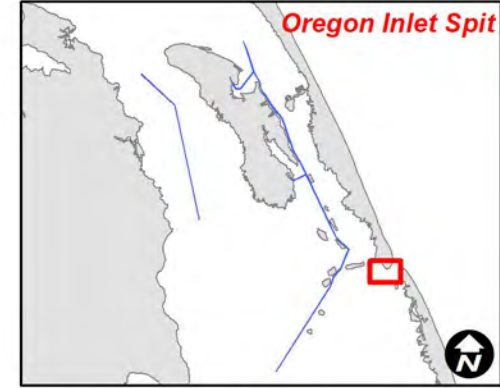




**US Army Corps  
of Engineers**  
Wilmington District



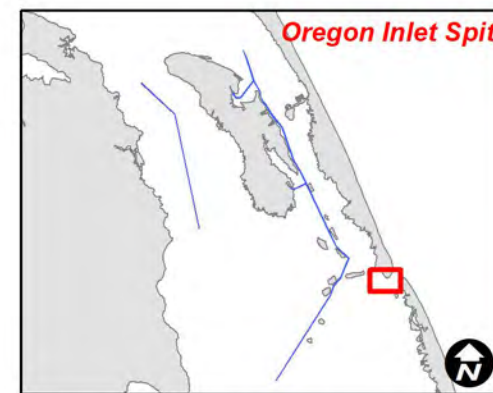
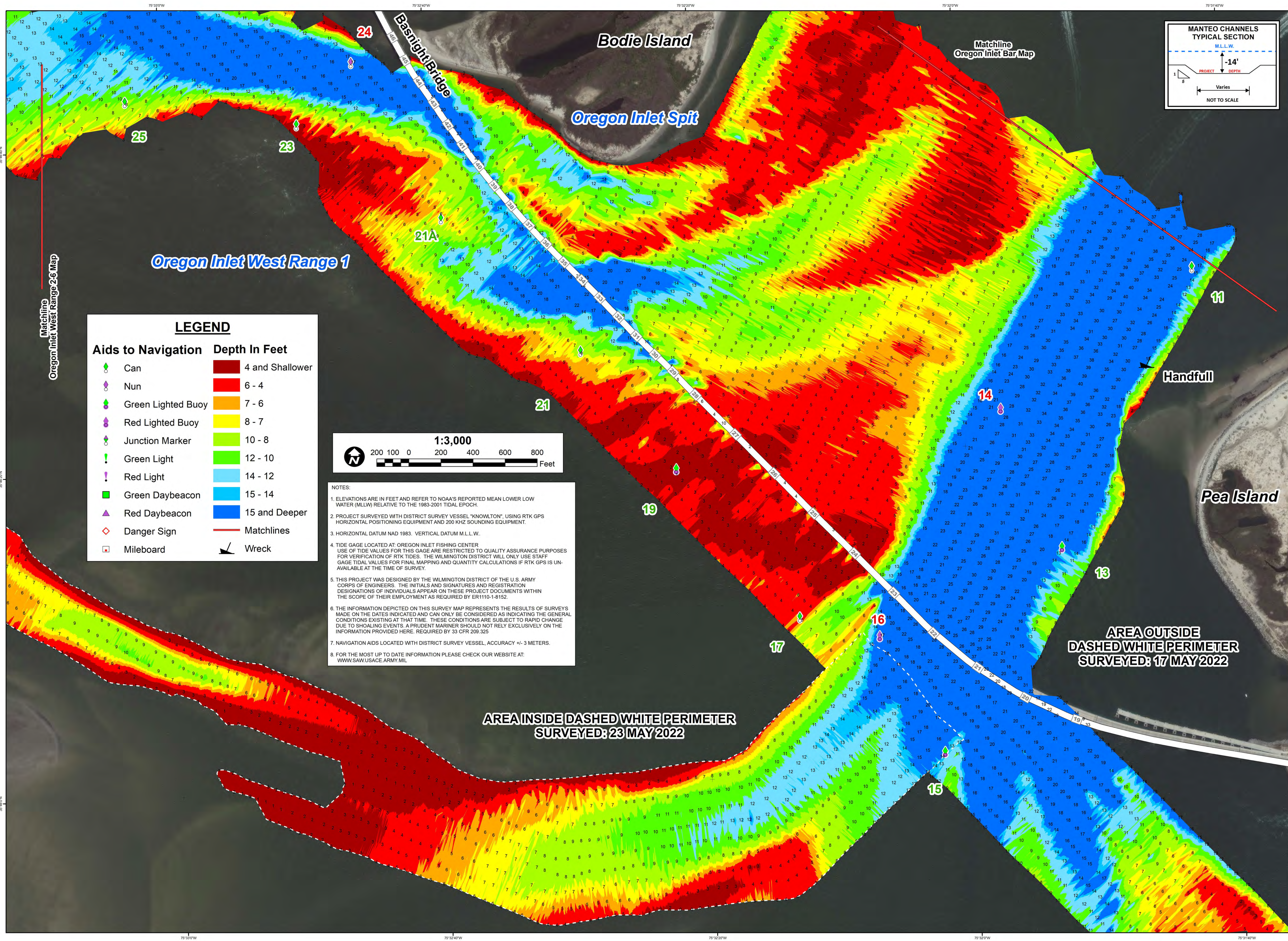
**NORTH CAROLINA**



SURVEYED BY: DCH, WJC, SSS	
MAPPED BY: KTOPNAGF	
PROCESSED BY: KTOPNAGF	
AIDS TO NAVIGATION UPDATED ON MAP MAY 26, 2022	
MAP FILE NAME: MN_01_OIB_20220523_CS_UPDATE1	

**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, WJC, SSS	
MAPPED BY: KTOPNAGF	
PROCESSED BY: KTOPNAGF	
MAP SCALE: 1:3,000	
IMAGERY DATE: 16 MAY 2022	
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MAP FILE NAME: MN_01_OIB_20220523_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

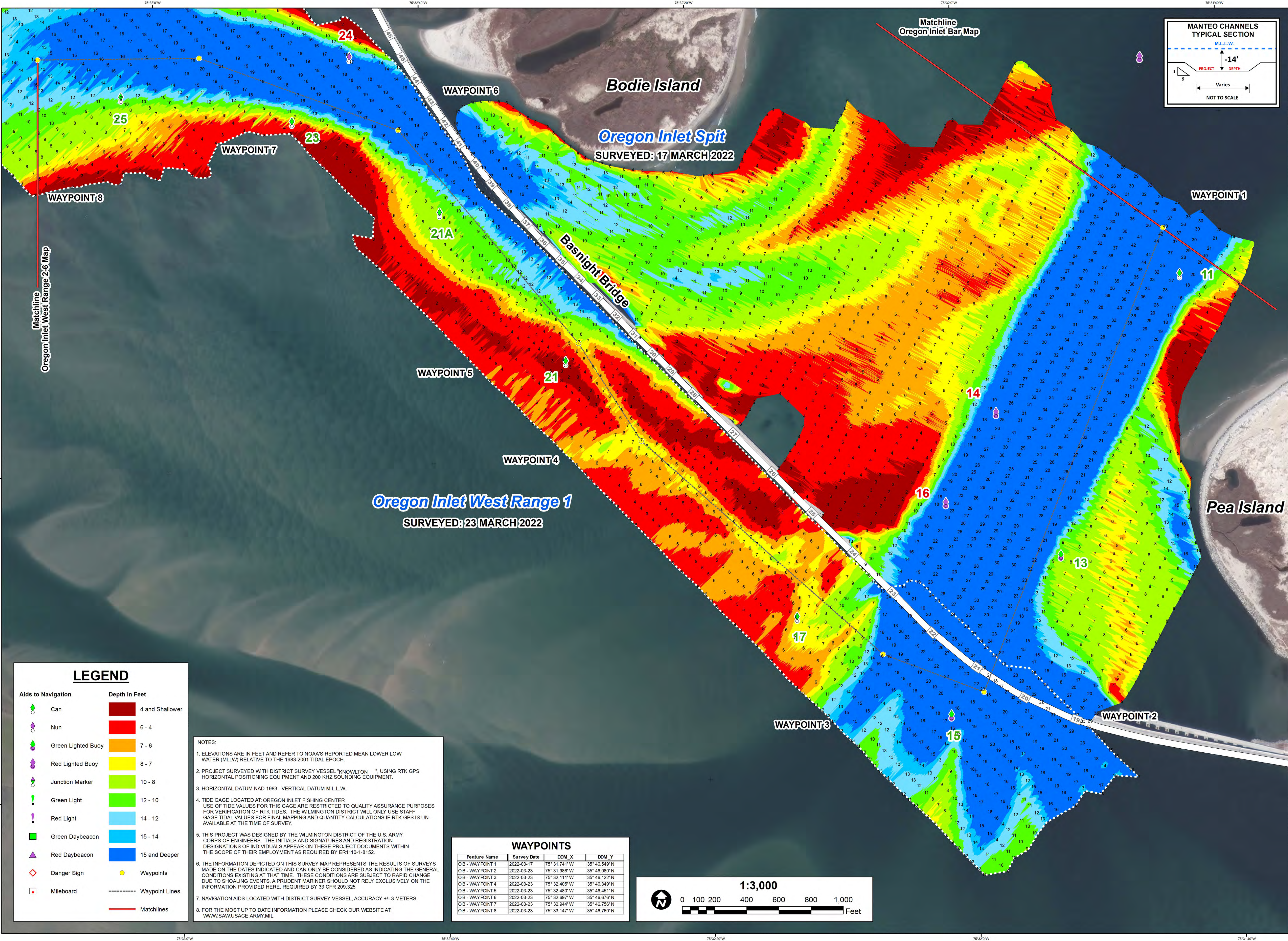








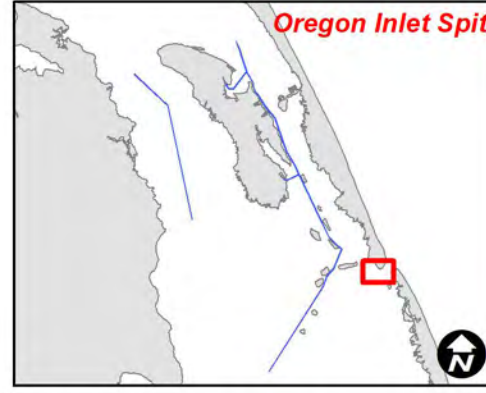






**US Army Corps  
of Engineers**  
Wilmington District

**NORTH CAROLINA**

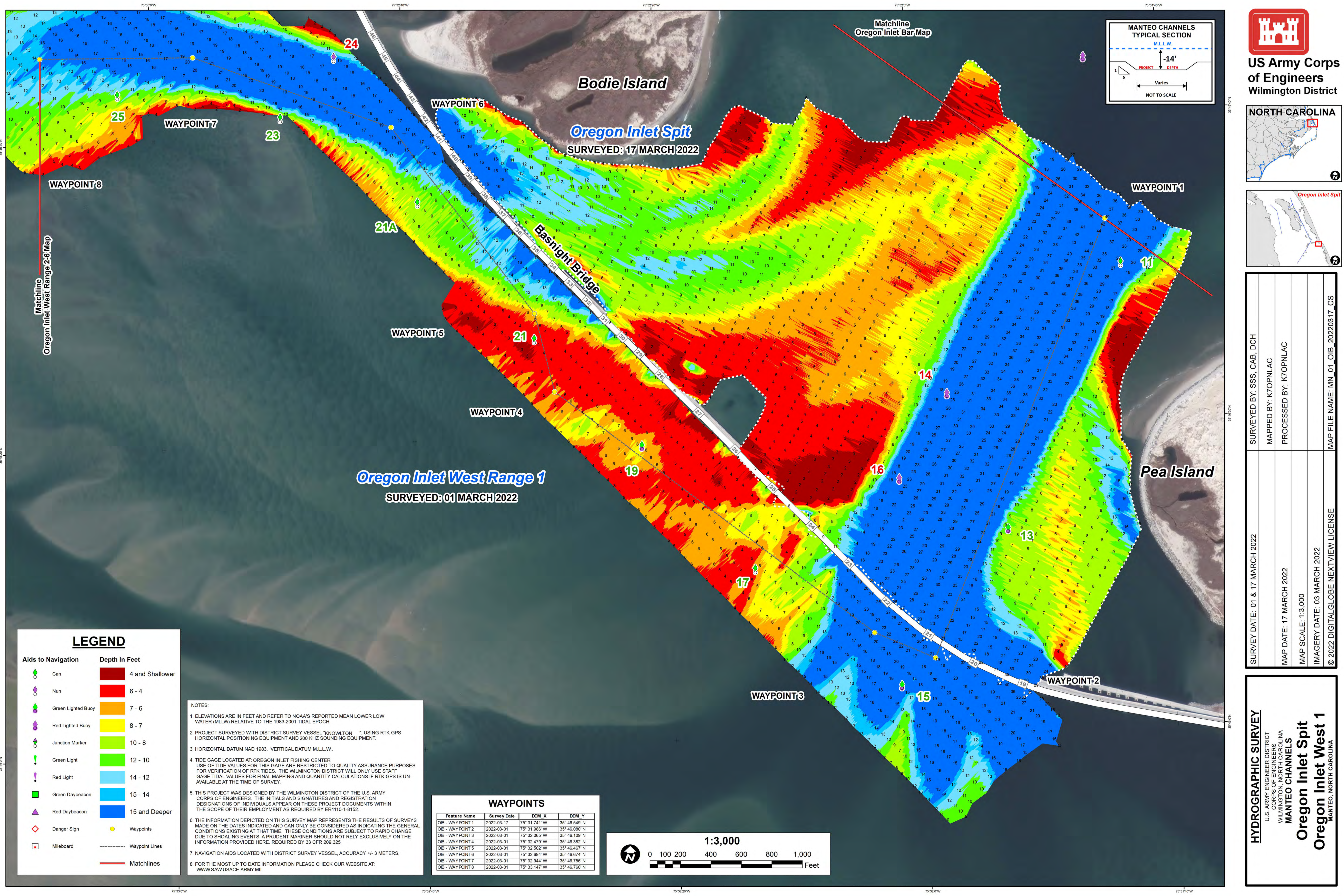


SURVEY DATE: 17 & 23 MARCH 2022	SURVEYED BY: SSS, CAB, DCH
MAP DATE: 24 MARCH 2022	MAPPED BY: KTOPNLAC
MAP SCALE: 1:3,000	PROCESSED BY: KTOPNLAC
IMAGERY DATE: 03 MARCH 2022	
© 2022 DIGITALGLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20220323_CS

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

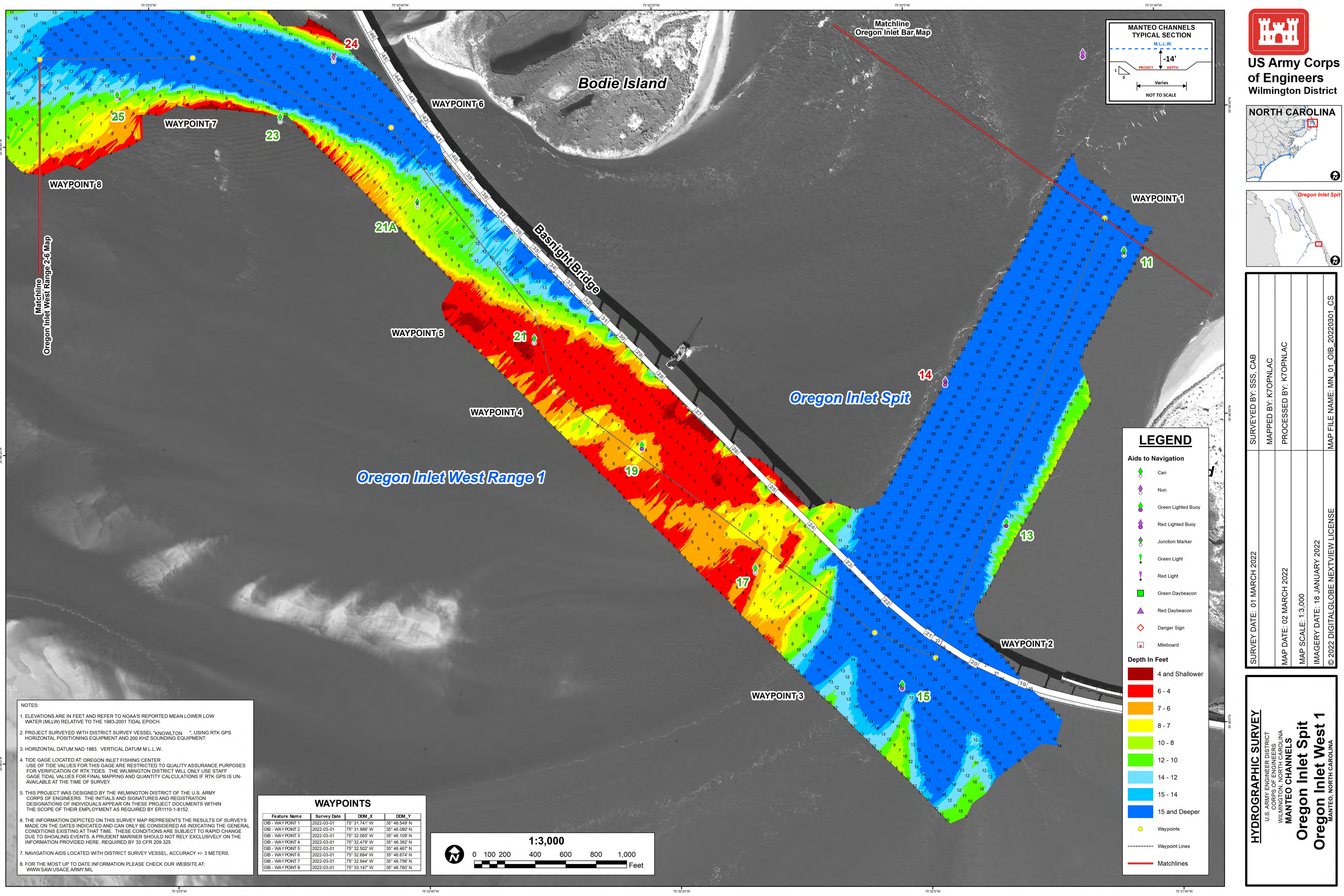
**Oregon Inlet Spit**  
**Oregon Inlet West 1**  
MANTEO, NORTH CAROLINA





SURVEY DATE: 01 & 17 MARCH 2022	SURVEYED BY: SSS, CAB, DCH
MAP DATE: 17 MARCH 2022	MAPPED BY: KTOPNLAC
MAP SCALE: 1:3,000	PROCESSED BY: KTOPNLAC
IMAGERY DATE: 03 MARCH 2022	
© 2022 DIGITAL GLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20220317_CS

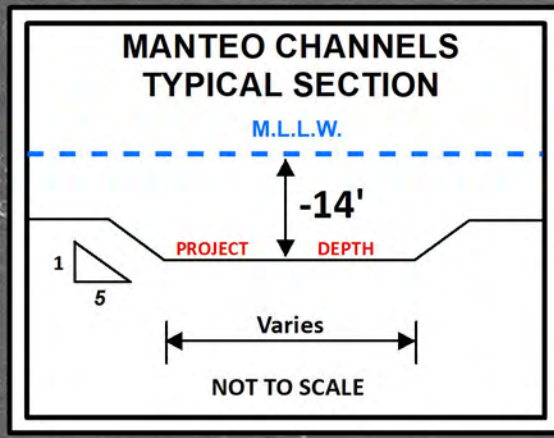
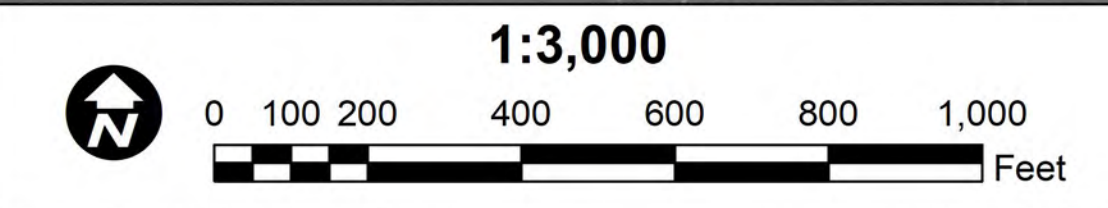




NOTES:

- 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 "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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- 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](http://WWW.SAW.USACE.ARMY.MIL)

WAYPOINTS				
Feature Name	Survey Date	DOM_X	DOM_Y	
OIB - WAYPOINT 1	2022-03-01	75° 31.741' W	35° 46.549' N	
OIB - WAYPOINT 2	2022-03-01	75° 31.986' W	35° 46.080' N	
OIB - WAYPOINT 3	2022-03-01	75° 32.065' W	35° 46.109' N	
OIB - WAYPOINT 4	2022-03-01	75° 32.479' W	35° 46.382' N	
OIB - WAYPOINT 5	2022-03-01	75° 32.502' W	35° 46.487' N	
OIB - WAYPOINT 6	2022-03-01	75° 32.684' W	35° 46.674' N	
OIB - WAYPOINT 7	2022-03-01	75° 32.944' W	35° 46.756' N	
OIB - WAYPOINT 8	2022-03-01	75° 33.147' W	35° 46.760' N	



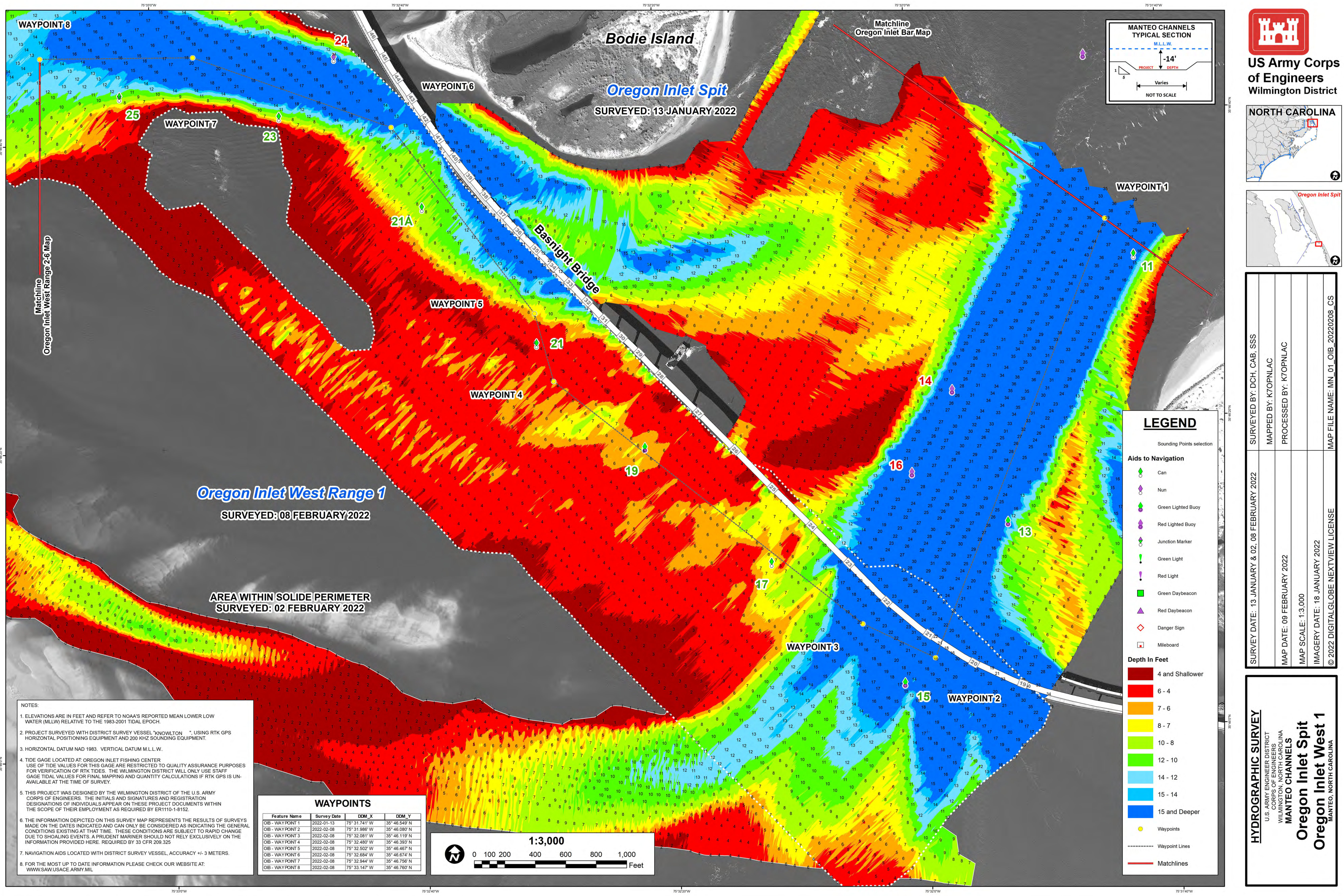
SURVEYED BY: SSS, CAB	SURVEY DATE: 01 MARCH 2022
MAPPED BY: KTOPNLAC	
PROCESSED BY: KTOPNLAC	
MAP DATE: 02 MARCH 2022	
MAP SCALE: 1:3,000	
IMAGERY DATE: 18 JANUARY 2022	
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MAP FILE NAME: MN_01_OIB_20220301_CS	

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



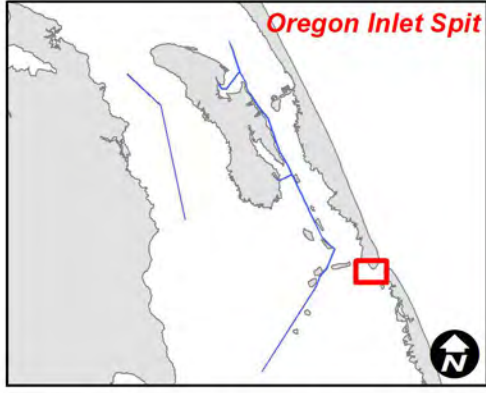




**US Army Corps  
of Engineers**  
Wilmington District

**NORTH CAROLINA**





SURVEY DATE: 13 JANUARY & 02, 08 FEBRUARY 2022	SURVEYED BY: DCH, CAB, SSS
MAP DATE: 09 FEBRUARY 2022	MAPPED BY: K7OPNLAC
MAP SCALE: 1:3,000	PROCESSED BY: K7OPNLAC
IMAGERY DATE: 18 JANUARY 2022	
© 2022 DIGITAL GLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_01_OIB_20220208_CS

**HYDROGRAPHIC SURVEY**

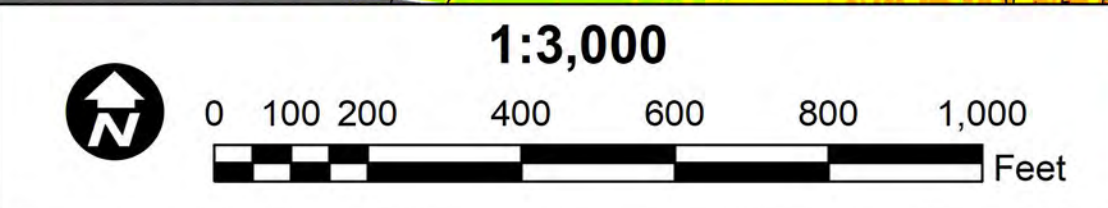
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
WILMINGTON, NORTH CAROLINA  
**MANTEO CHANNELS**

**Oregon Inlet Spit**  
**Oregon Inlet West 1**  
MANTEO, NORTH CAROLINA

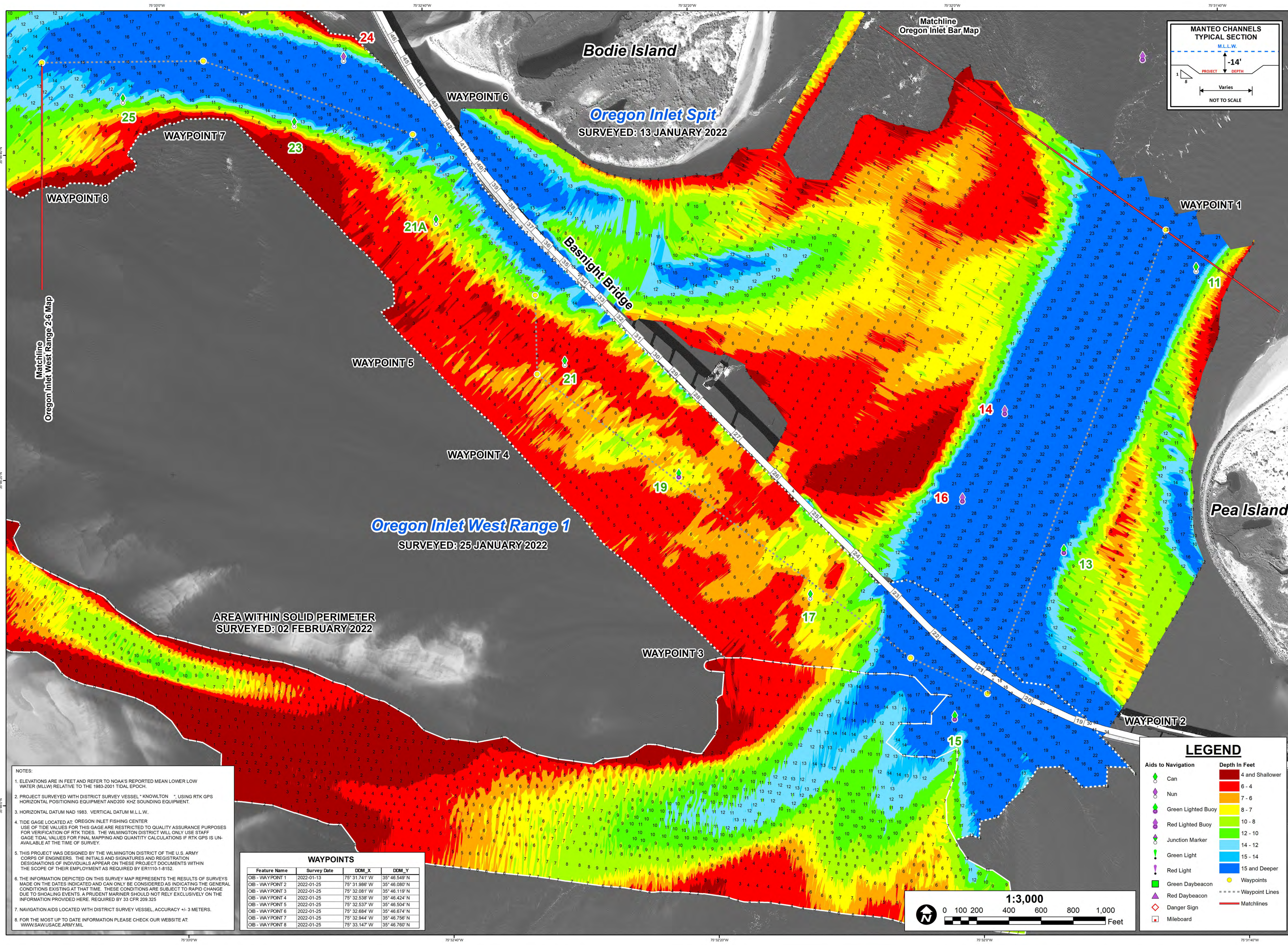
NOTES:

- 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 TIDE 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](http://WWW.SAW.USACE.ARMY.MIL)

WAYPOINTS				
Feature Name	Survey Date	DOM_X	DOM_Y	
OIB - WAYPOINT 1	2022-01-13	75° 31.741' W	35° 46.549' N	
OIB - WAYPOINT 2	2022-02-08	75° 31.986' W	35° 46.080' N	
OIB - WAYPOINT 3	2022-02-08	75° 32.081' W	35° 46.119' N	
OIB - WAYPOINT 4	2022-02-08	75° 32.480' W	35° 46.393' N	
OIB - WAYPOINT 5	2022-02-08	75° 32.502' W	35° 46.487' N	
OIB - WAYPOINT 6	2022-02-08	75° 32.684' W	35° 46.674' N	
OIB - WAYPOINT 7	2022-02-08	75° 32.944' W	35° 46.756' N	
OIB - WAYPOINT 8	2022-02-08	75° 33.147' W	35° 46.760' N	



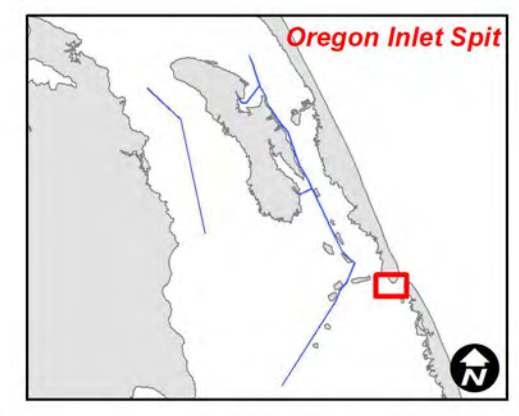
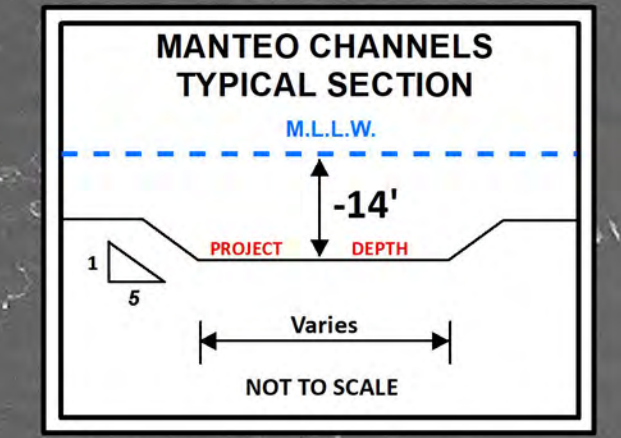




NOTES:

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WAYPOINTS			
Feature Name	Survey Date	DOM_X	DOM_Y
OIB - WAYPOINT 1	2022-01-13	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2022-01-25	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2022-01-25	75° 32.081' W	35° 46.119' N
OIB - WAYPOINT 4	2022-01-25	75° 32.538' W	35° 46.424' N
OIB - WAYPOINT 5	2022-01-25	75° 32.537' W	35° 46.504' N
OIB - WAYPOINT 6	2022-01-25	75° 32.684' W	35° 46.674' N
OIB - WAYPOINT 7	2022-01-25	75° 32.844' W	35° 46.756' N
OIB - WAYPOINT 8	2022-01-25	75° 33.147' W	35° 46.760' N



SURVEY DATE: 13, 25 JANUARY & 02 FEBRUARY 2022	SURVEYED BY: DCH, SSS, CAB
MAP DATE: 03 FEBRUARY 2022	MAPPED BY: K7OPNLAC
	PROCESSED BY: K7OPNLAC
MAP SCALE: 1:3,000	
IMAGERY DATE: 18 JANUARY 2022	
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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**

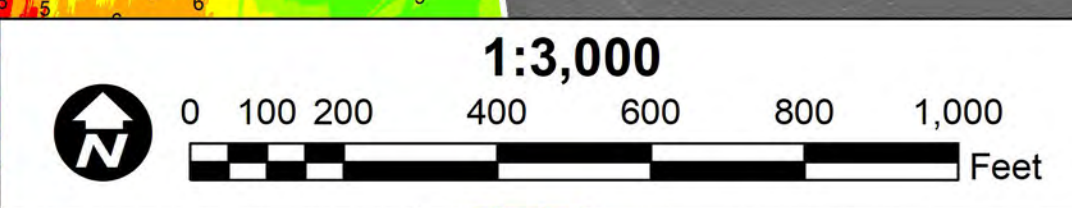
**Aids to Navigation**

- 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

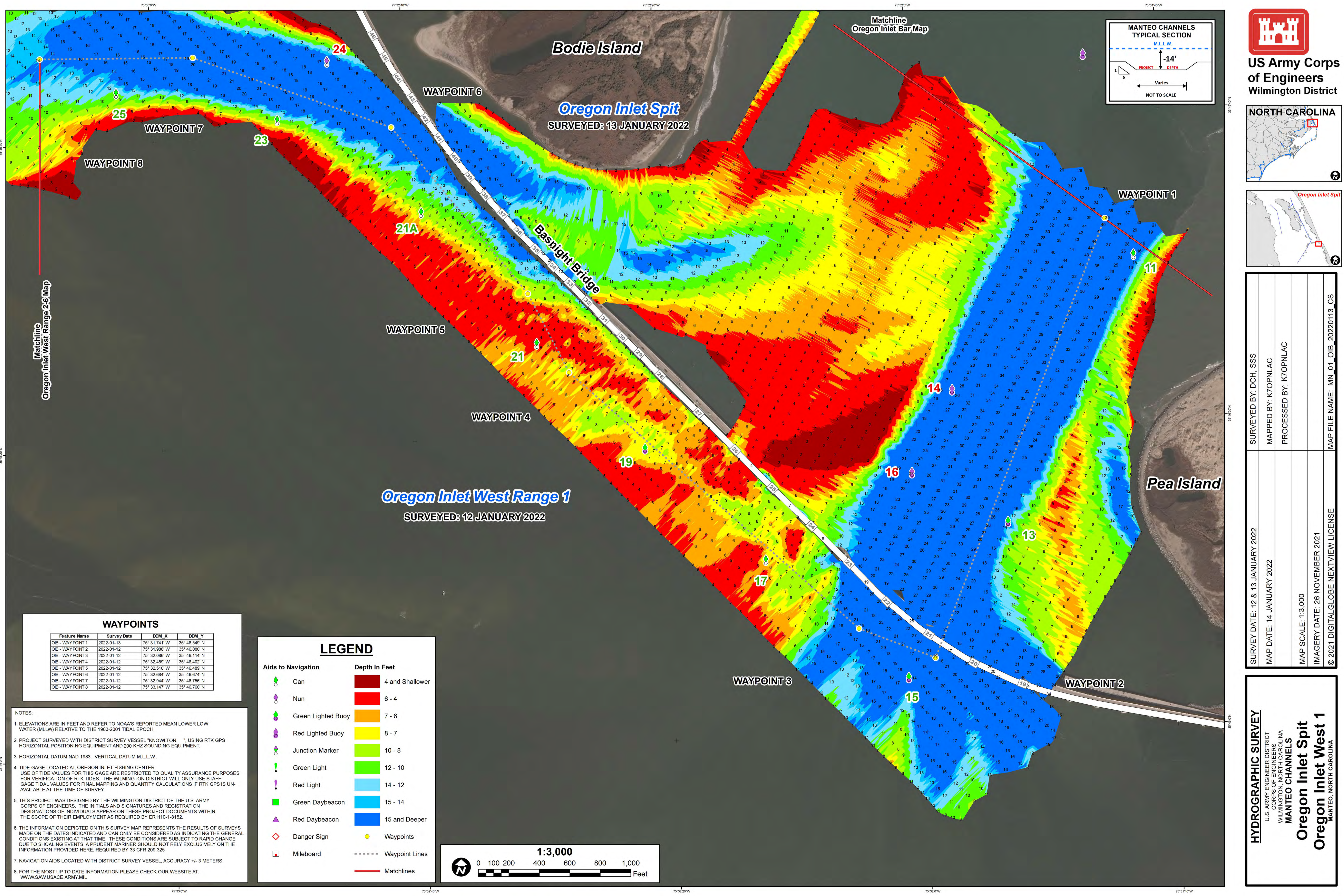
Waypoints  
Waypoint Lines  
Matchlines







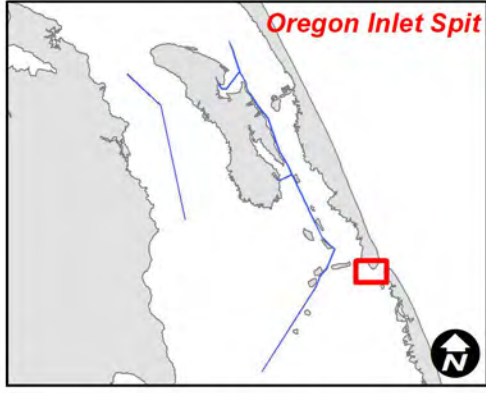






**US Army Corps  
of Engineers**  
Wilmington District

**NORTH CAROLINA**



SURVEY DATE: 12 & 13 JANUARY 2022	SURVEYED BY: DCH, SSS
MAP DATE: 14 JANUARY 2022	MAPPED BY: KTOPNLAC
	PROCESSED BY: KTOPNLAC
MAP SCALE: 1:3,000	
IMAGERY DATE: 26 NOVEMBER 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

**WAYPOINTS**

Feature Name	Survey Date	DDM_X	DDM_Y
OIB - WAYPOINT 1	2022-01-13	75° 31.741' W	35° 46.549' N
OIB - WAYPOINT 2	2022-01-12	75° 31.986' W	35° 46.080' N
OIB - WAYPOINT 3	2022-01-12	75° 32.086' W	35° 46.114' N
OIB - WAYPOINT 4	2022-01-12	75° 32.459' W	35° 46.402' N
OIB - WAYPOINT 5	2022-01-12	75° 32.510' W	35° 46.489' N
OIB - WAYPOINT 6	2022-01-12	75° 32.684' W	35° 46.674' N
OIB - WAYPOINT 7	2022-01-12	75° 32.944' W	35° 46.756' N
OIB - WAYPOINT 8	2022-01-12	75° 33.147' W	35° 46.760' N

**NOTES:**

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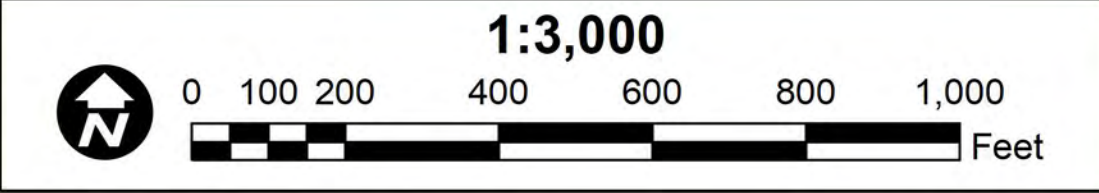
**LEGEND**

**Aids to Navigation**

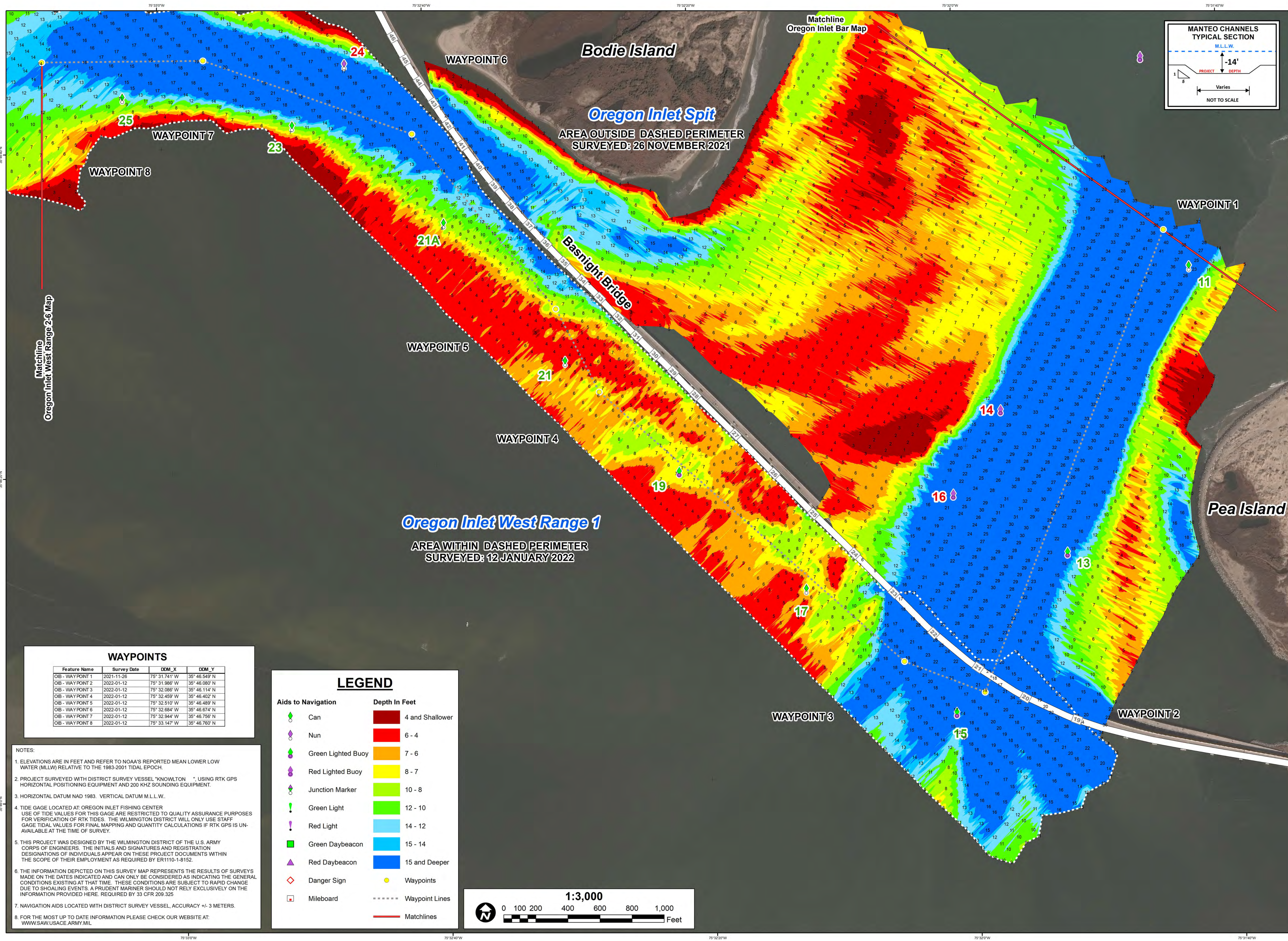
- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Marker
- Green Light
- Red Light
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**Depth In Feet**

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



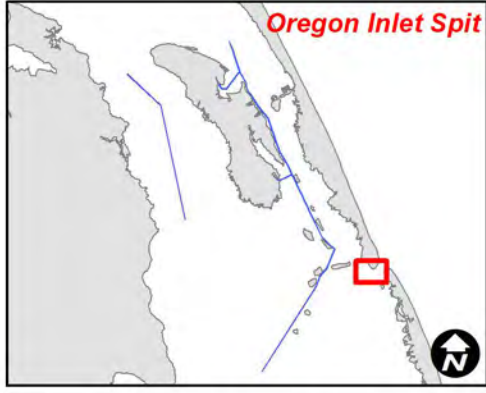






**US Army Corps  
of Engineers**  
Wilmington District

**NORTH CAROLINA**



SURVEY DATE: 26 NOVEMBER 2021 & 12 JANUARY 2022	SURVEYED BY: DCH, CAB, SSS
MAP DATE: 12 JANUARY 2022	MAPPED BY: KTOPNLAC
	PROCESSED BY: KTOPNLAC
MAP SCALE: 1:3,000	
IMAGERY DATE: 26 NOVEMBER 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