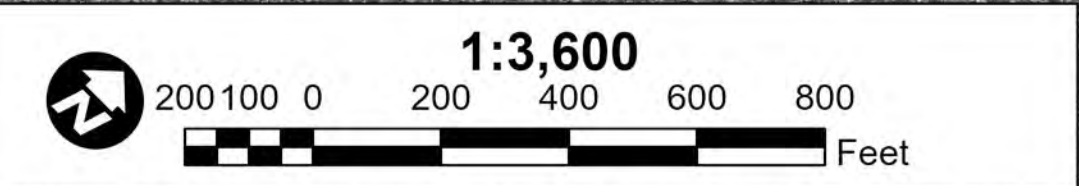


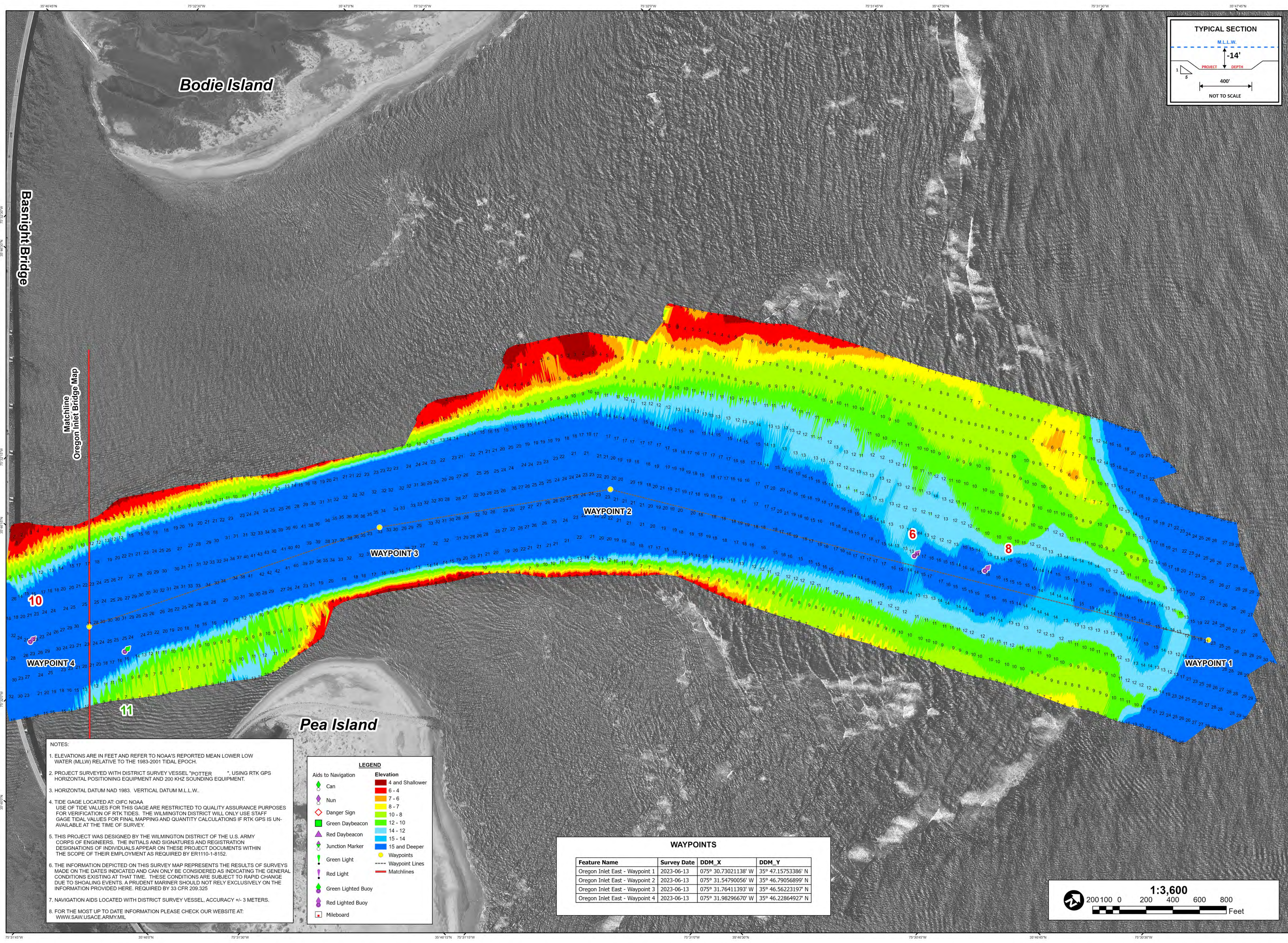
SURVEYED BY: JCC/JBG	
MAPPED BY: KTOPNDJM	
PROCESSED BY: KTOPNDJM	
MAP SCALE: 1:3,600	
IMAGERY DATE: 05 MAY 2023	
© 2023 MAXAR TECHNOLOGIES	
MAP FILE NAME: MN_30_OIE_20231026_CS	

- NOTES:
- ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1963-2001 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 NOAA TIDE STATION. 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

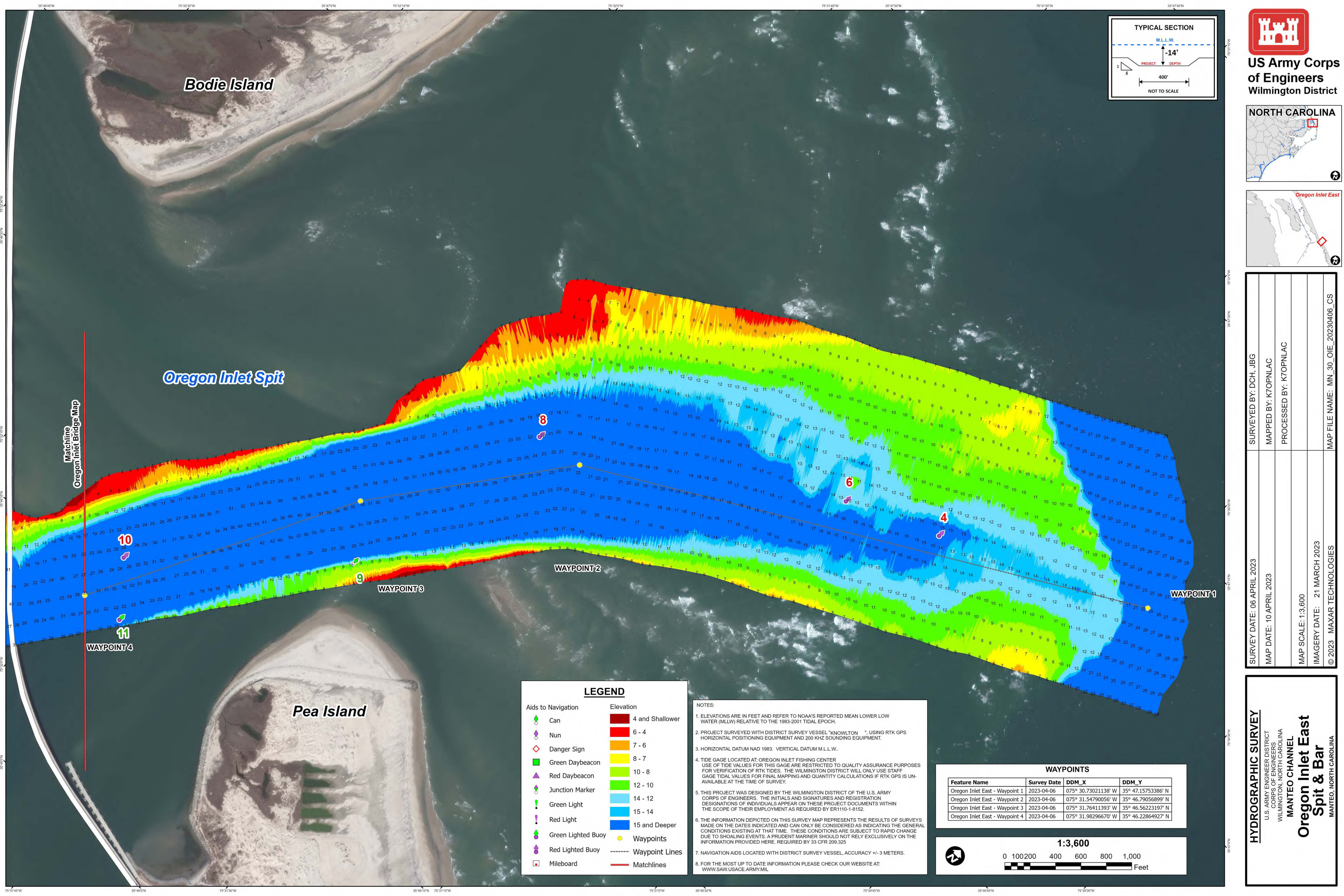
LEGEND	
Aids to Navigation	Elevation
Can	4 and Shallower
Nun	6 - 4
Danger Sign	7 - 6
Green Daybeacon	8 - 7
Red Daybeacon	10 - 8
Junction Marker	12 - 10
Green Light	14 - 12
Red Light	15 - 14
Green Lighted Buoy	15 and Deeper
Red Lighted Buoy	Waypoints
Mileboard	Waypoint Lines
	Matchlines

WAYPOINTS			
Date	Project	DDM_X	DDM_Y
2023-10-26	Waypoint 1	075° 30.63843155' W	35° 47.20094032' N
2023-10-26	Waypoint 2	075° 31.04187513' W	35° 47.00991542' N
2023-10-26	Waypoint 3	075° 31.55116896' W	35° 46.82408739' N
2023-10-26	Waypoint 4	075° 31.82559436' W	35° 46.53936233' N
2023-10-26	Waypoint 5	075° 31.96453373' W	35° 46.21295928' N





SURVEYED BY: DCH, JBG	
MAPPED BY: KTOPNDJM	
PROCESSED BY: KTOPNDJM	
MAP SCALE: 1:3,600	
IMAGERY DATE: 05 MAY 2023	
© 2023 MAXAR TECHNOLOGIES	
MAP FILE NAME: MN_30_OIE_20230613_CS	



SURVEYED BY: DCH, JBG	
MAPPED BY: KTOPNLAC	
PROCESSED BY: KTOPNLAC	
MAP SCALE: 1:3,600	
IMAGERY DATE: 21 MARCH 2023	
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MAP FILE NAME: MN_30_OIE_20230406_CS	

LEGEND

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

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..

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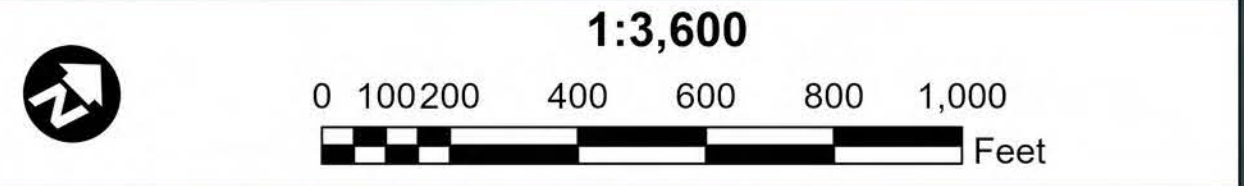
5. THIS PROJECT WAS DESIGNED BY THE WILMINGTON DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS AND SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER1110-1-8152.

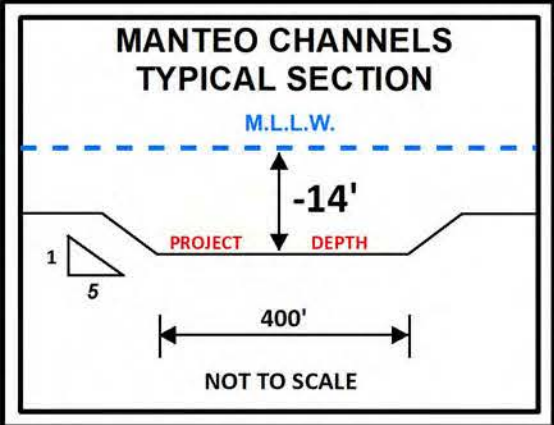
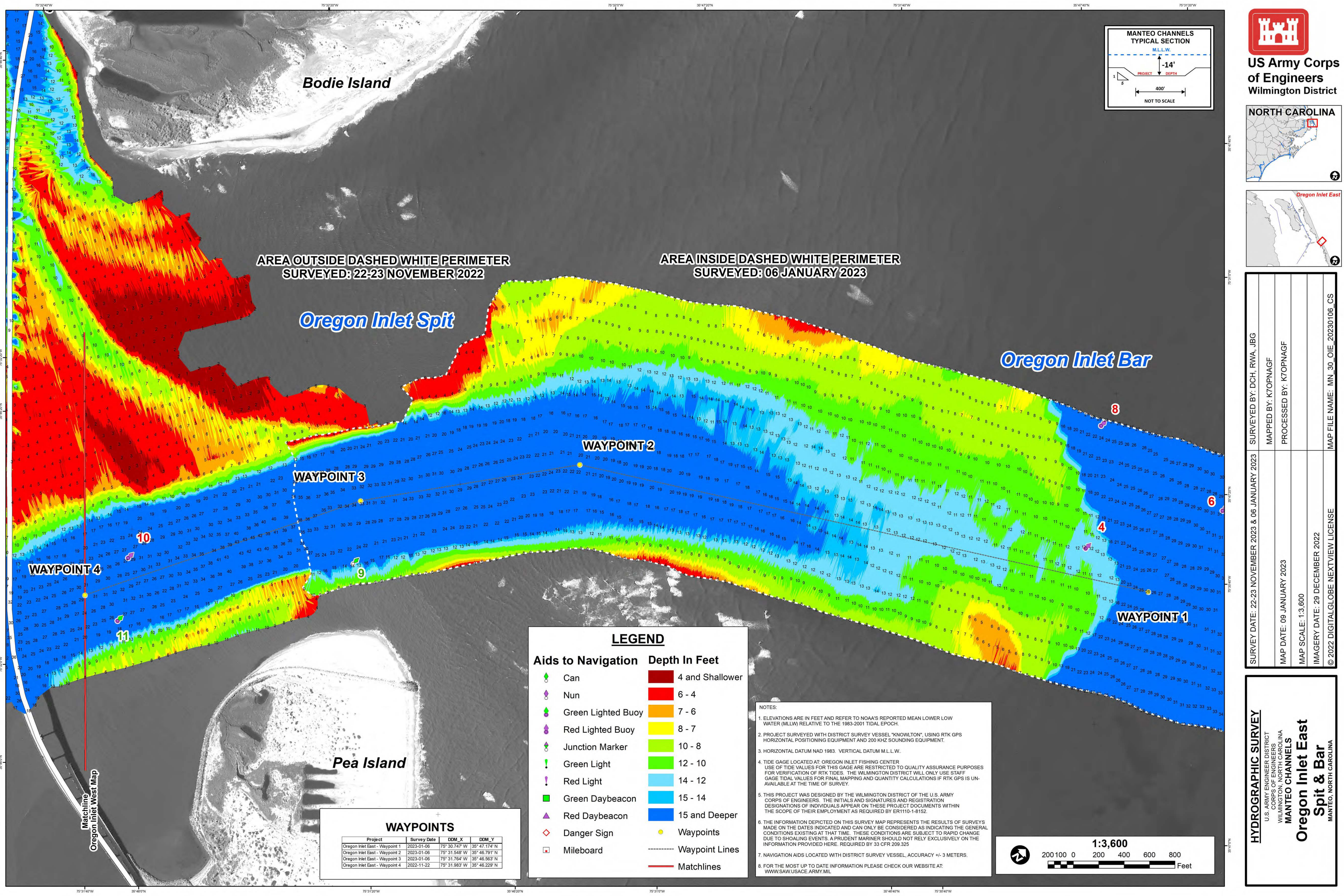
6. THE INFORMATION DEPICTED ON THIS SURVEY MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THESE CONDITIONS ARE SUBJECT TO RAPID CHANGE DUE TO SHOALING EVENTS. A PRUDENT MARINER SHOULD NOT RELY EXCLUSIVELY 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

WAYPOINTS			
Feature Name	Survey Date	DDM_X	DDM_Y
Oregon Inlet East - Waypoint 1	2023-04-06	075° 30.73021138' W	35° 47.15753386' N
Oregon Inlet East - Waypoint 2	2023-04-06	075° 31.54790056' W	35° 46.79056899' N
Oregon Inlet East - Waypoint 3	2023-04-06	075° 31.76411393' W	35° 46.56223197' N
Oregon Inlet East - Waypoint 4	2023-04-06	075° 31.98296670' W	35° 46.22864927' N





SURVEY DATE: 22-23 NOVEMBER 2023 & 06 JANUARY 2023	SURVEYED BY: DCH, RWA, JBG
MAP DATE: 09 JANUARY 2023	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,600	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 29 DECEMBER 2022	
© 2022 DIGITALGLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_30_OIE_20230106_CS

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
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WAYPOINTS

Project	Survey Date	DDM_X	DDM_Y
Oregon Inlet East - Waypoint 1	2023-01-06	75° 30.747' W	35° 47.174' N
Oregon Inlet East - Waypoint 2	2023-01-06	75° 31.548' W	35° 46.791' N
Oregon Inlet East - Waypoint 3	2023-01-06	75° 31.764' W	35° 46.563' N
Oregon Inlet East - Waypoint 4	2022-11-22	75° 31.983' W	35° 46.229' N

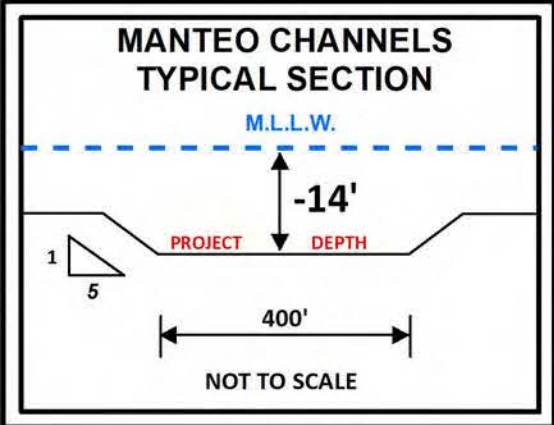
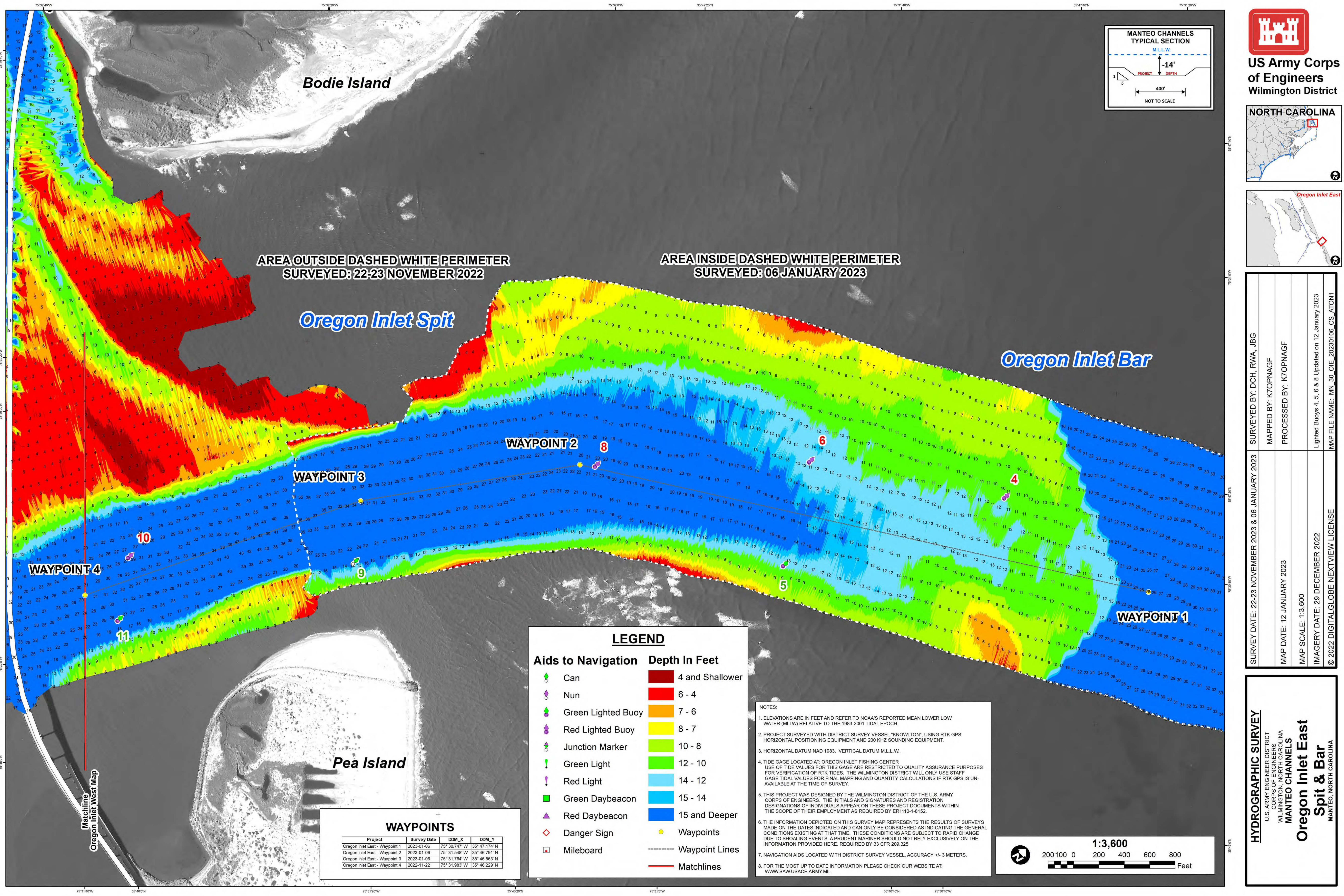
HYDROGRAPHIC SURVEY

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

**Oregon Inlet East
Spit & Bar**

MANTEO, NORTH CAROLINA

**US Army Corps
of Engineers**
Wilmington District



SURVEY DATE: 22-23 NOVEMBER 2023 & 06 JANUARY 2023	SURVEYED BY: DCH, RWA, JBG
MAP DATE: 12 JANUARY 2023	MAPPED BY: KTOPNAGF
MAP SCALE: 1:3,600	PROCESSED BY: KTOPNAGF
IMAGERY DATE: 29 DECEMBER 2022	Lighted Buoys 4, 5, 6 & 8 Updated on 12 January 2023
© 2022 DIGITALGLOBE NEXTVIEW LICENSE	MAP FILE NAME: MN_30_OIE_20230106_CS_ATON1

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

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