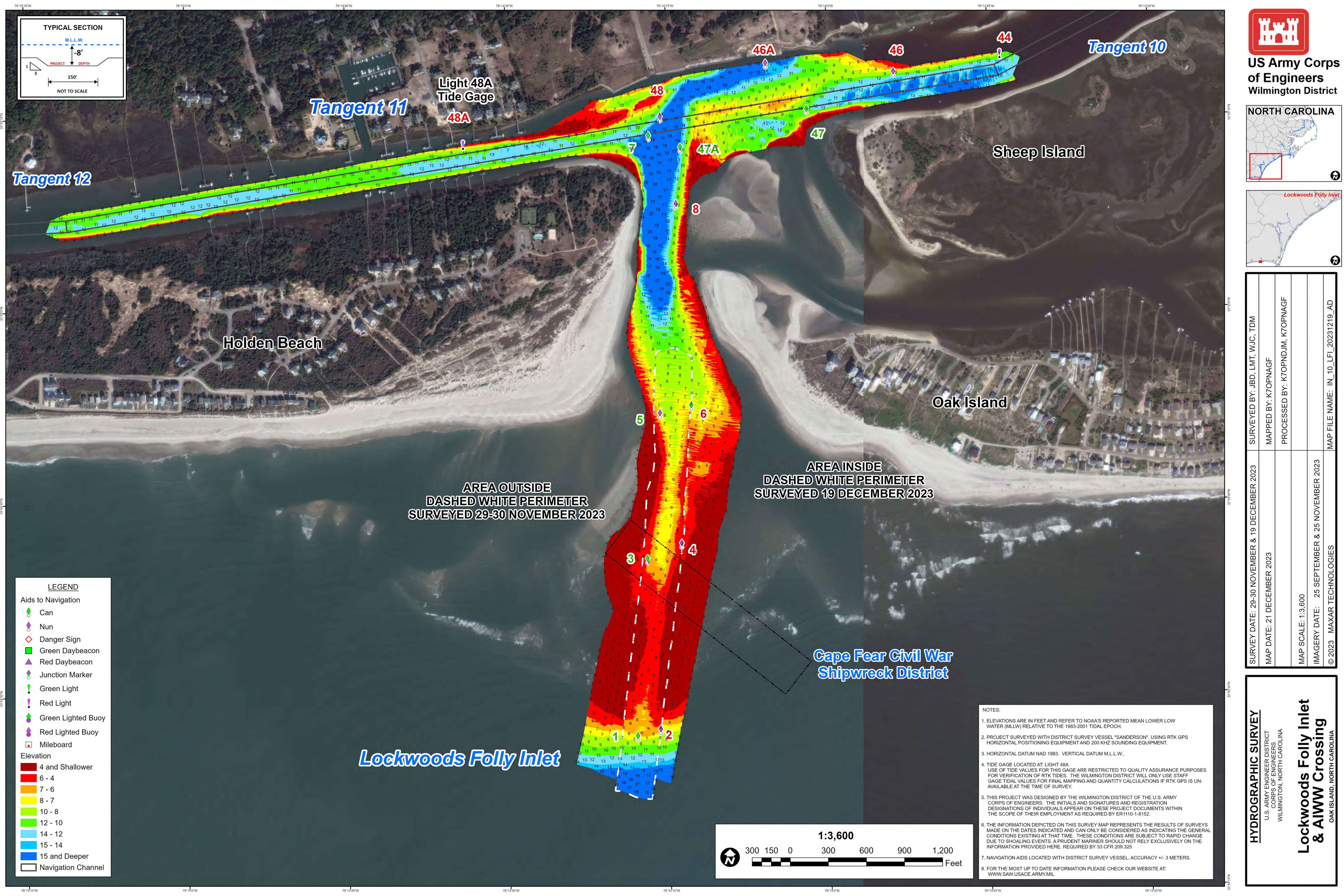
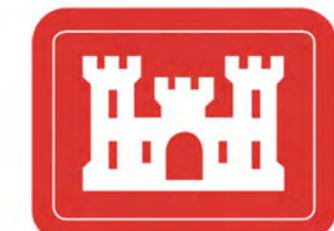






**US Army Corps
of Engineers**
Wilmington District

NORTH CAROLINA





SURVEY DATE: 29-30 NOVEMBER & 19 DECEMBER 2023	SURVEYED BY: JBD, LMT, WJC, TDM
MAP DATE: 21 DECEMBER 2023	MAPPED BY: K7OPNAGF
MAP SCALE: 1:3,600	PROCESSED BY: K7OPNDJM, K7OPNAGF
IMAGERY DATE: 25 SEPTEMBER & 25 NOVEMBER 2023	
© 2023 MAXAR TECHNOLOGIES	MAP FILE NAME: IN_10_LFI_20231219_AD

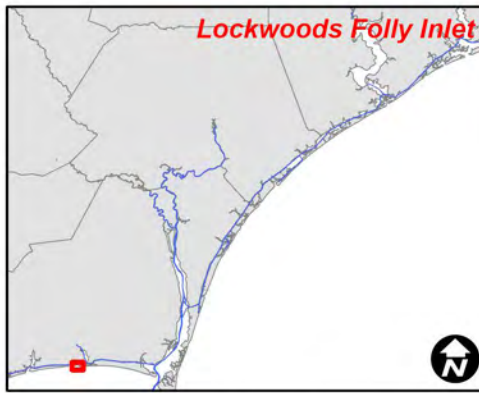
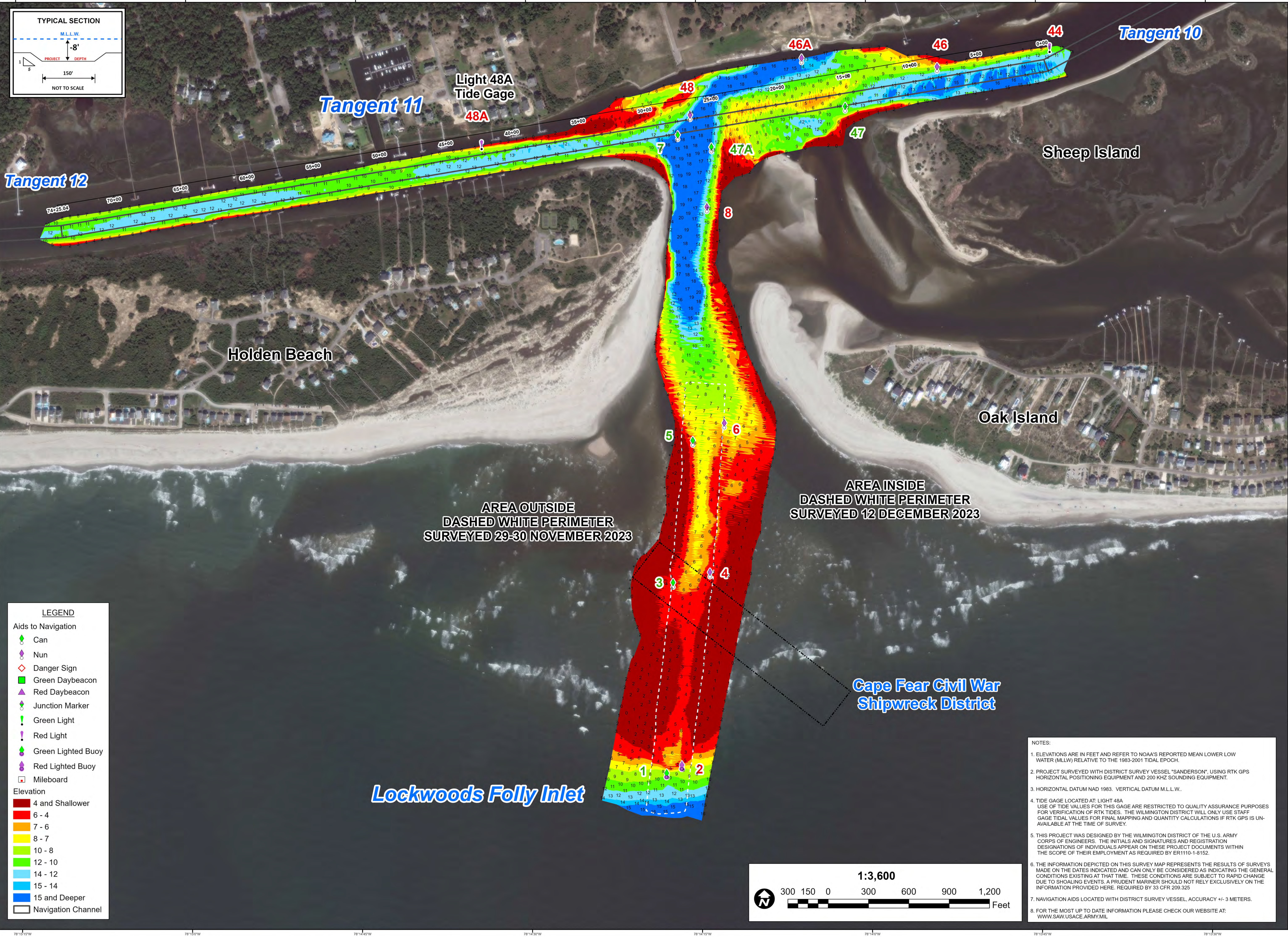
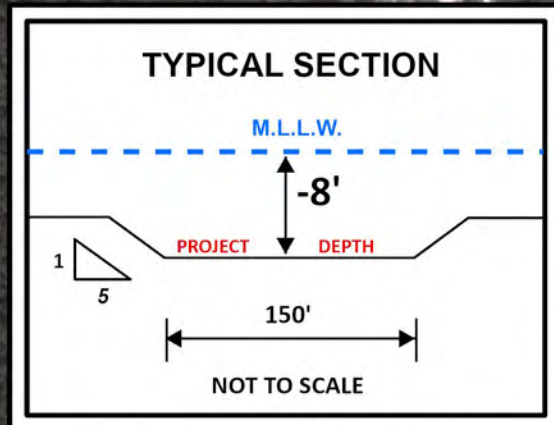
HYDROGRAPHIC SURVEY

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

**Lockwoods Folly Inlet
& AIAW Crossing**

OAK ISLAND, 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 "SANDERSON", 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: LIGHT 48A
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.
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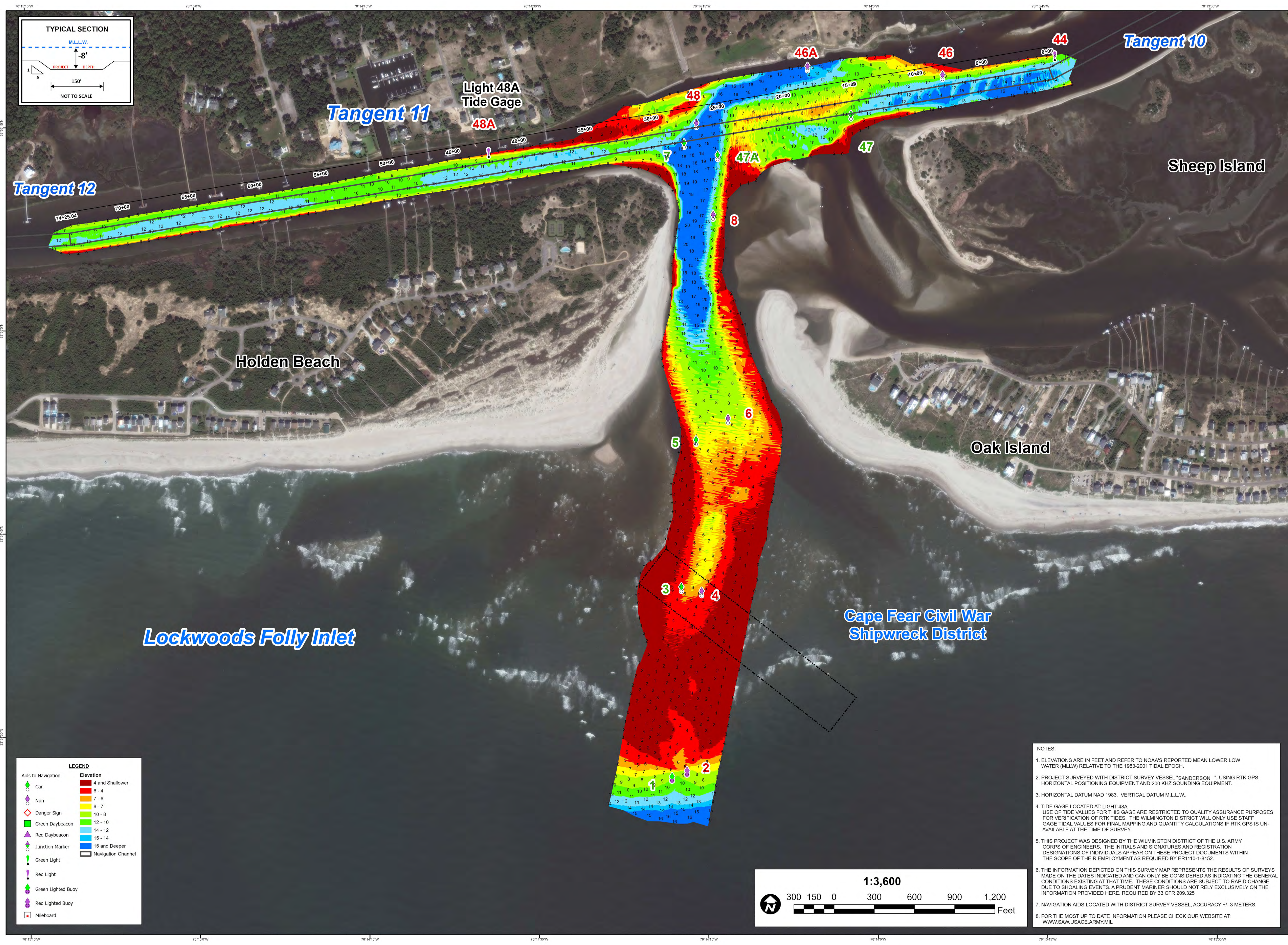
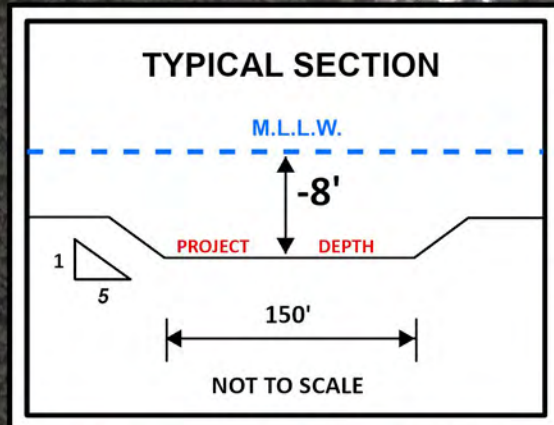
SURVEY DATE: 29-30 NOVEMBER & 12 DECEMBER 2023	SURVEYED BY: JBD, LMT, WJC
MAP DATE: 13 DECEMBER 2023	MAPPED BY: KTOPNAGF
	PROCESSED BY: KTOPNDJM, KTOPNAGF
MAP SCALE: 1:3,600	
IMAGERY DATE: 25 SEPTEMBER 2023	
© 2023 MAXAR TECHNOLOGIES	MAP FILE NAME: IN_10_LFI_20231212_OT

HYDROGRAPHIC SURVEY

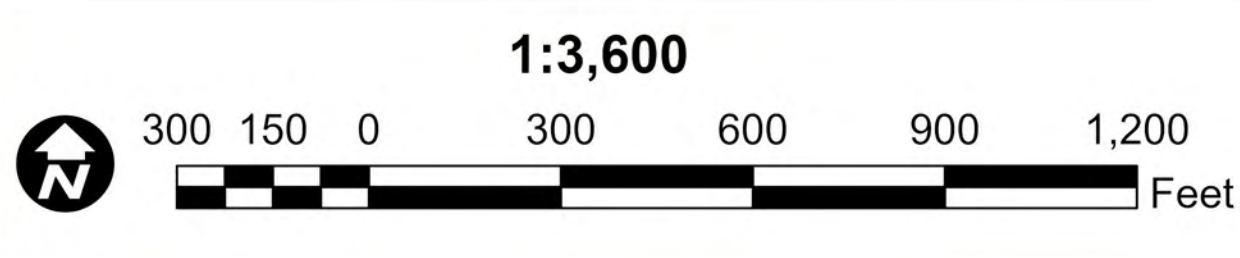
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

**Lockwoods Folly Inlet
& AIWW Crossing**

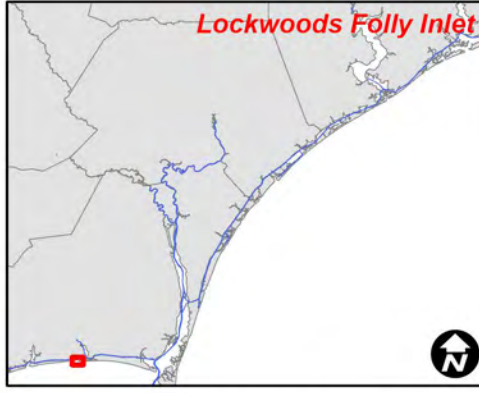
OAK ISLAND, NORTH CAROLINA



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	Navigation Channel
Mileboard	



- NOTES:
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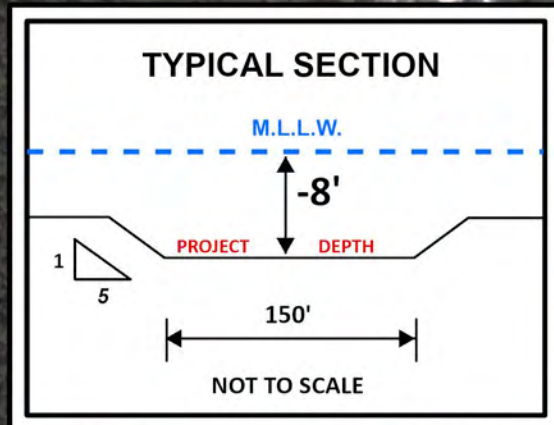
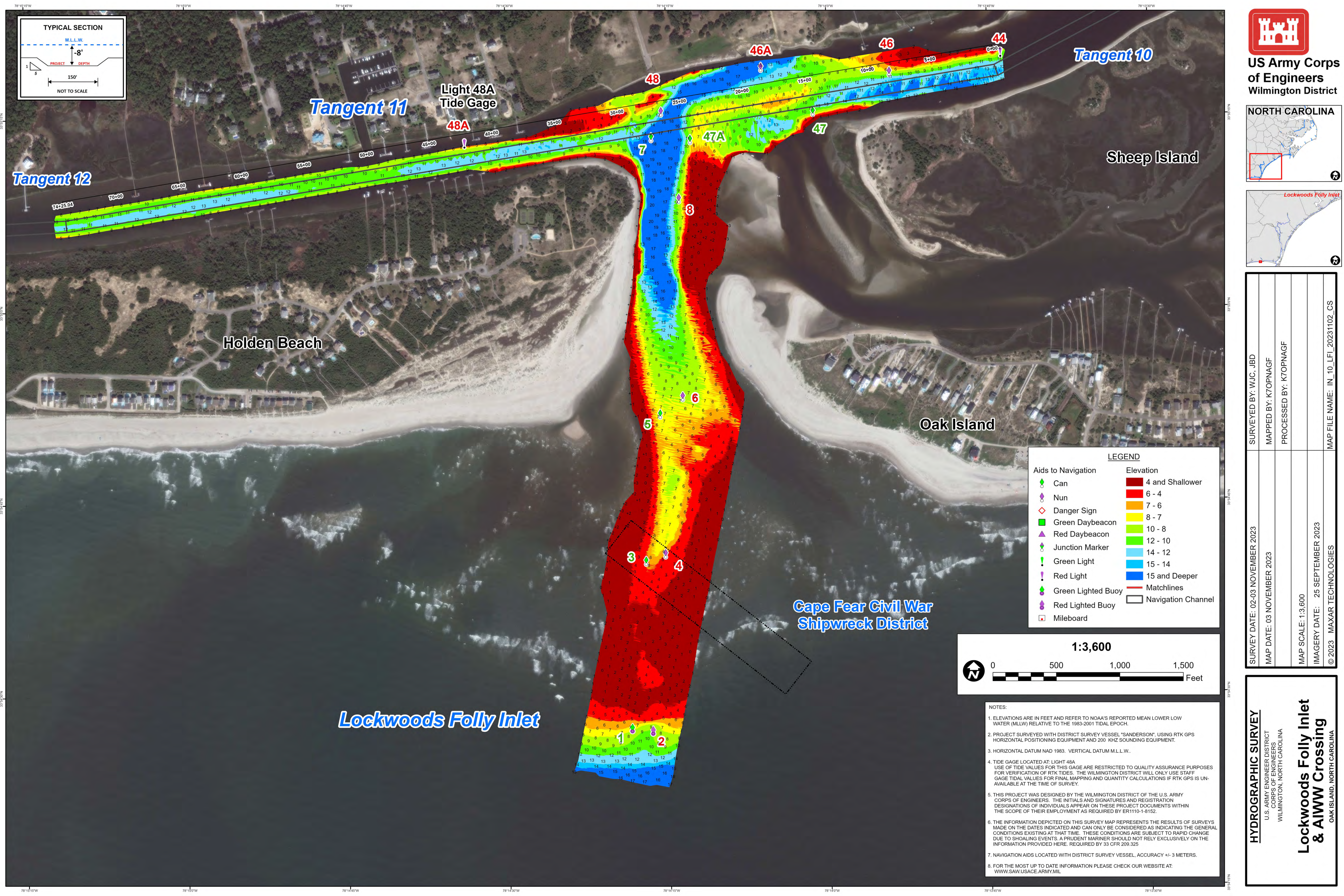
SURVEY DATE: 29-30 NOVEMBER 2023	SURVEYED BY: JBD, LMT, WJC
MAP DATE: 01 DECEMBER 2023	MAPPED BY: K7OPNDJM
	PROCESSED BY: K7OPNDJM
MAP SCALE: 1:3,600	
IMAGERY DATE: 25 SEPTEMBER 2023	
© 2023 MAXAR TECHNOLOGIES	MAP FILE NAME: IN_10_LFI_20231129_BD

HYDROGRAPHIC SURVEY

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

**Lockwoods Folly Inlet
& AIWW Crossing**

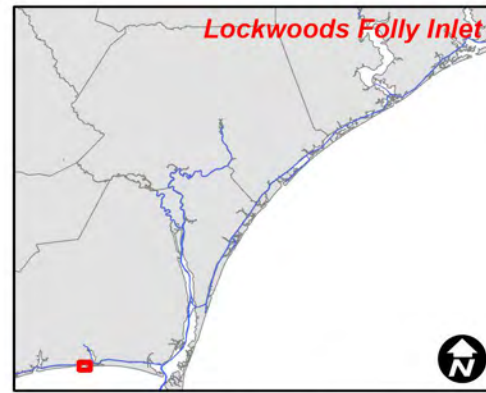
OAK ISLAND, NORTH CAROLINA





**US Army Corps
of Engineers**
Wilmington District

NORTH CAROLINA



SURVEY DATE: 02-03 NOVEMBER 2023	SURVEYED BY: WJC, JBD
MAP DATE: 03 NOVEMBER 2023	MAPPED BY: KTOPNAGF
	PROCESSED BY: KTOPNAGF
MAP SCALE: 1:3,600	
IMAGERY DATE: 25 SEPTEMBER 2023	
© 2023 MAXAR TECHNOLOGIES	MAP FILE NAME: IN_10_LFI_20231102_CS

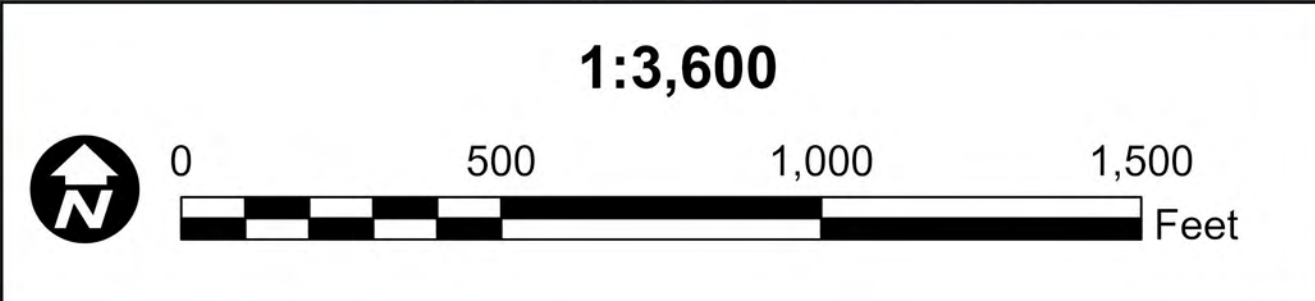
HYDROGRAPHIC SURVEY

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

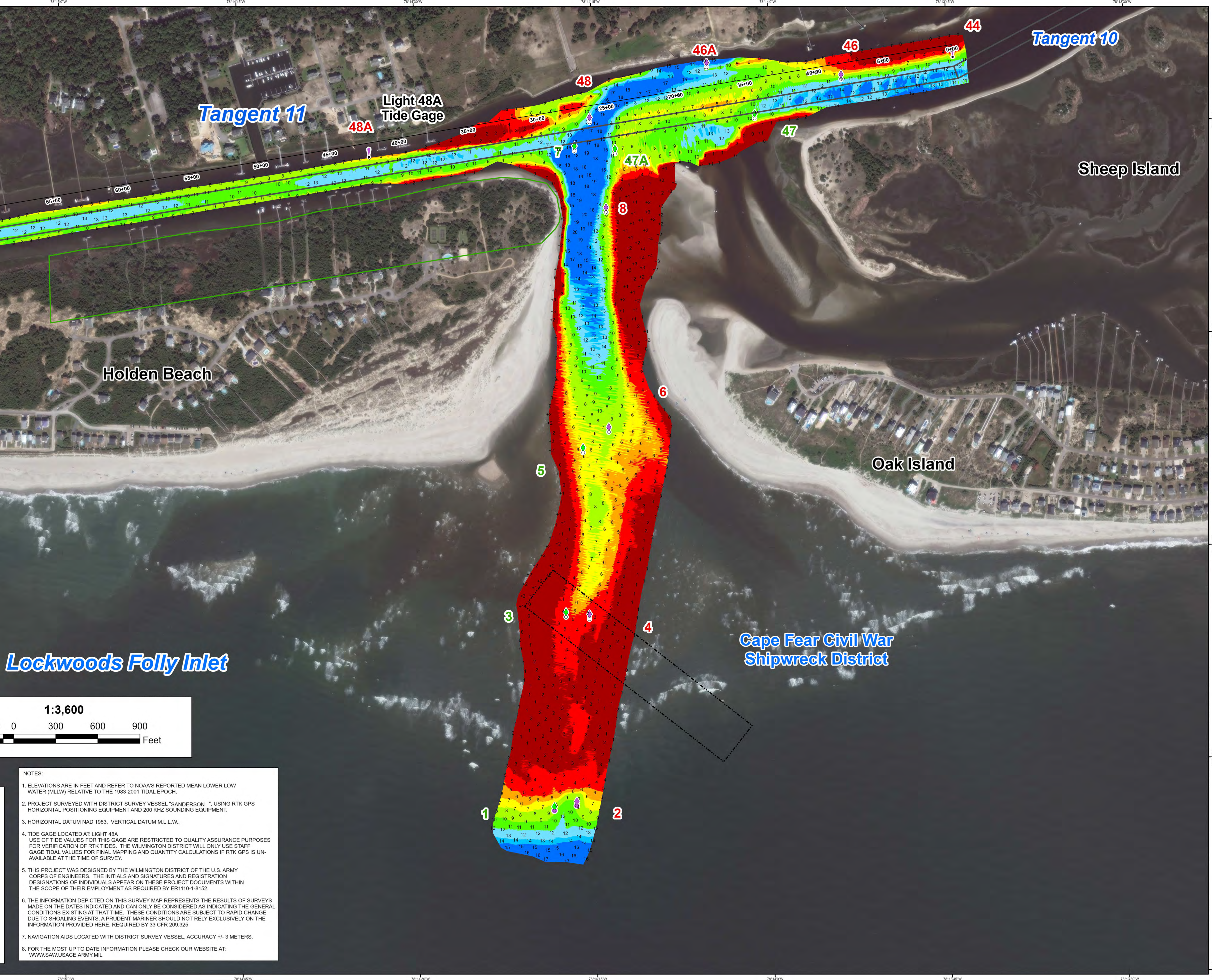
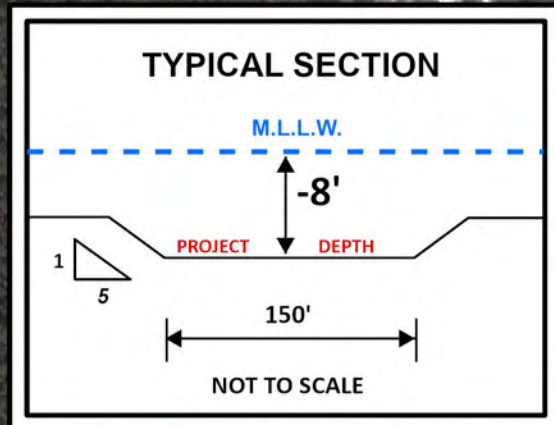
**Lockwoods Folly Inlet
& AIWW Crossing**

OAK ISLAND, NORTH CAROLINA

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	Matchlines
Mileboard	Navigation Channel



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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



Lockwoods Folly Inlet

Cape Fear Civil War Shipwreck District

- NOTES:
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- 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 | |
| Mileboard | |
- Matchlines
- Navigation Channel
- Placement Areas


US Army Corps of Engineers
Wilmington District

NORTH CAROLINA



Lockwoods Folly Inlet



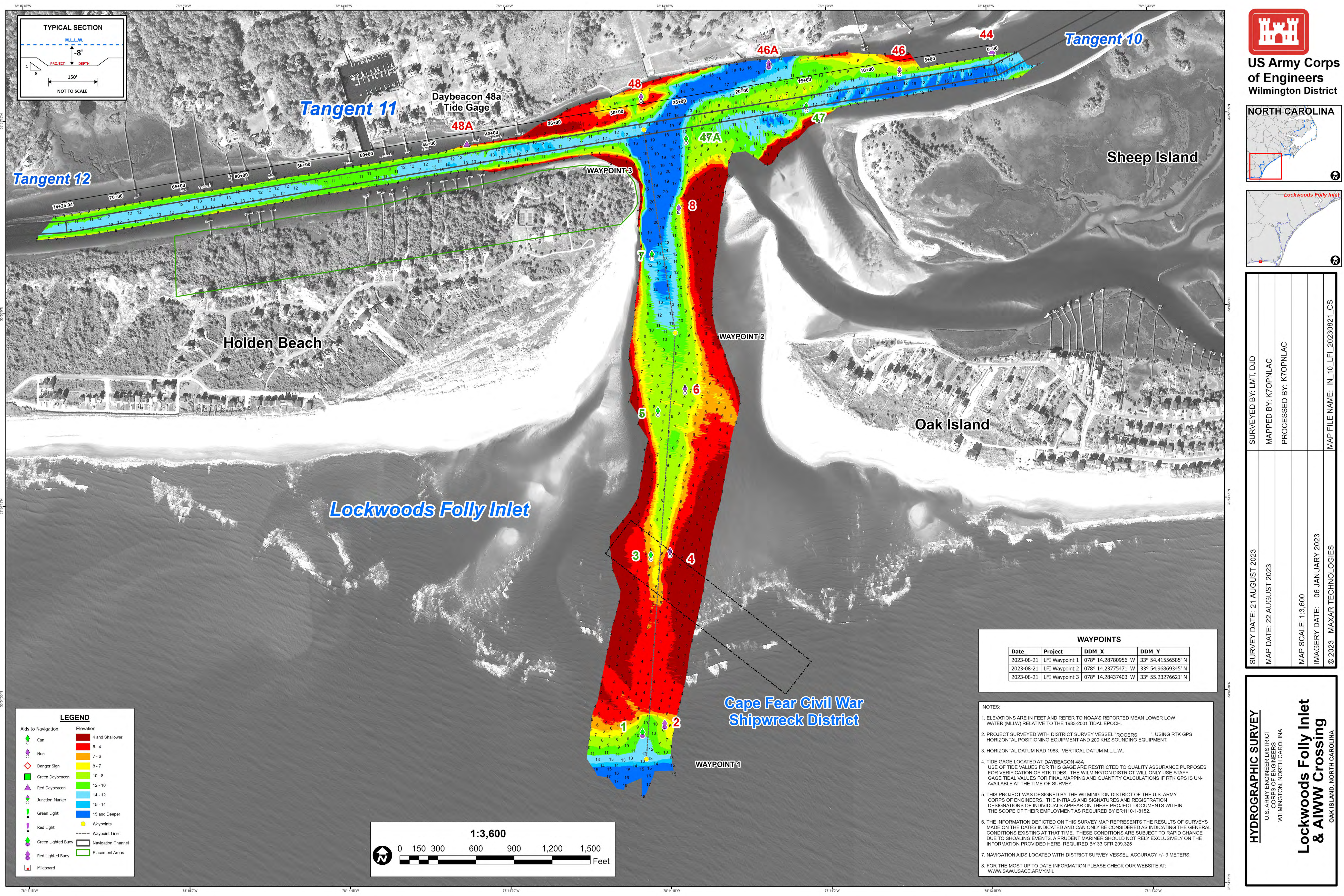
SURVEY DATE: 03-04 OCTOBER 2023	SURVEYED BY: WJC, JBD
MAP DATE: 05 OCTOBER 2023	MAPPED BY: K7OPNDJM
	PROCESSED BY: K7OPNDJM
MAP SCALE: 1:3,600	
IMAGERY DATE: 25 SEPTEMBER 2023	
© 2023 MAXAR TECHNOLOGIES	MAP FILE NAME: IN_10_LFI_20231003_CS

HYDROGRAPHIC SURVEY

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

**Lockwoods Folly Inlet
& AIWW Crossing**

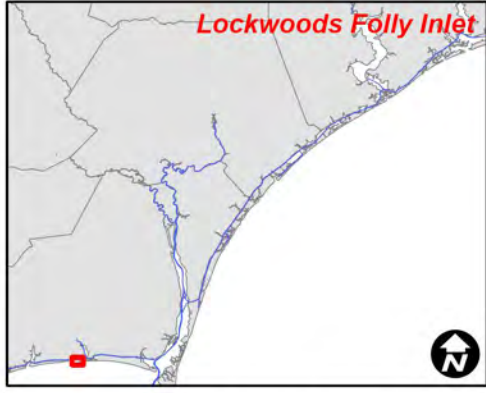
OAK ISLAND, NORTH CAROLINA





**US Army Corps
of Engineers**
Wilmington District

NORTH CAROLINA



SURVEY DATE: 21 AUGUST 2023	SURVEYED BY: LMT, DJD
MAP DATE: 22 AUGUST 2023	MAPPED BY: KTOPNLAC
	PROCESSED BY: KTOPNLAC
MAP SCALE: 1:3,600	
IMAGERY DATE: 06 JANUARY 2023	
© 2023 MAXAR TECHNOLOGIES	MAP FILE NAME: IN_10_LFI_20230821_CS

HYDROGRAPHIC SURVEY

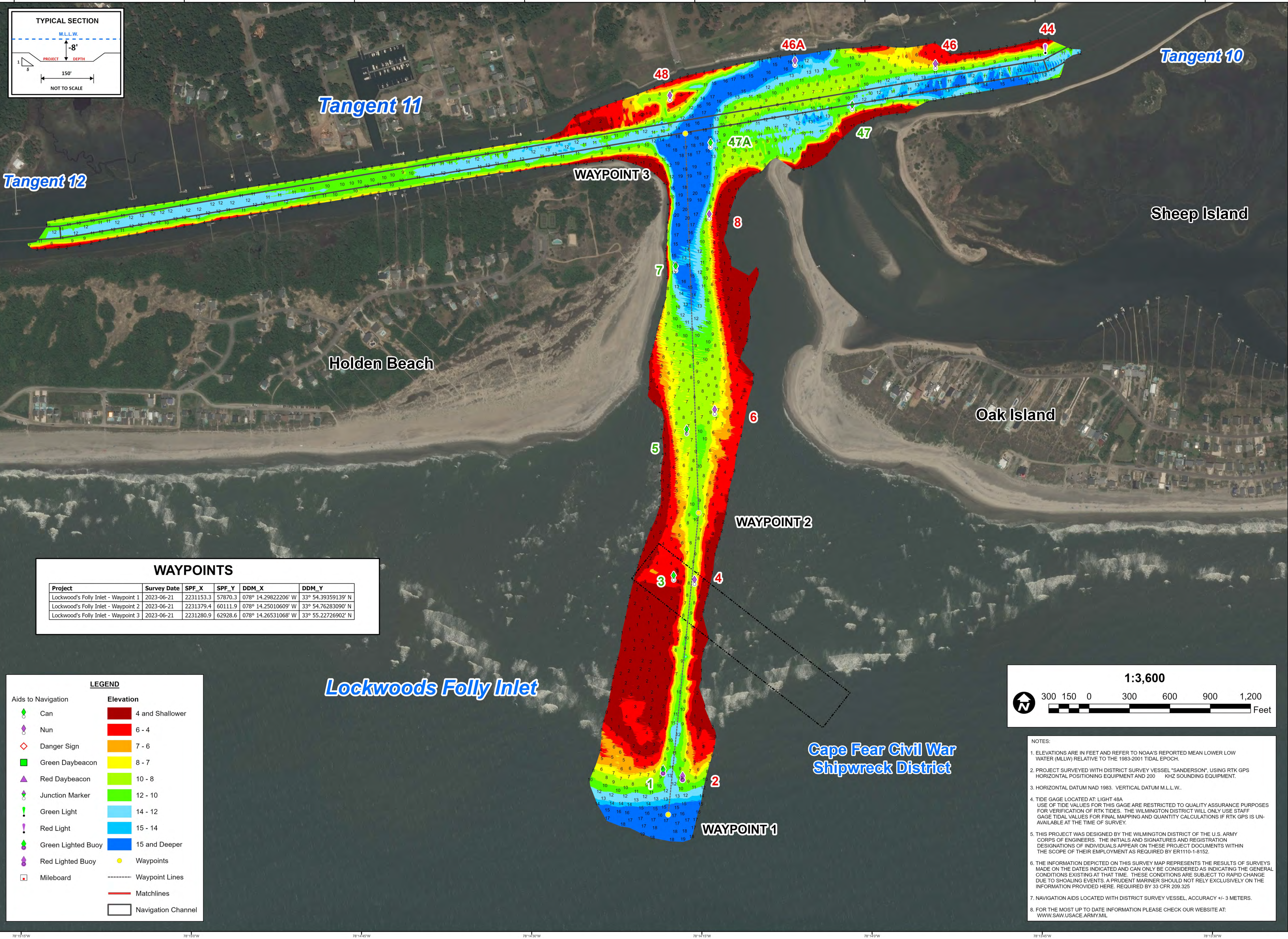
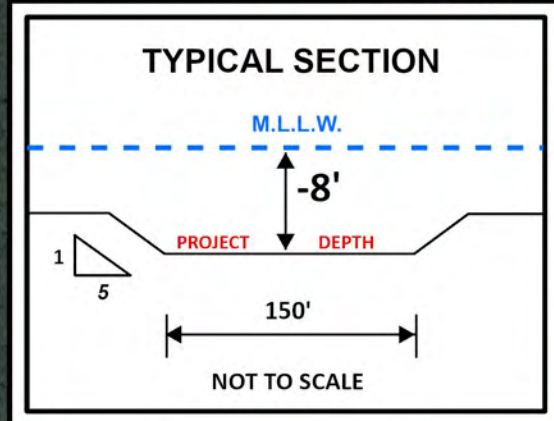
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

**Lockwoods Folly Inlet
& AIWW Crossing**

OAK ISLAND, NORTH CAROLINA

WAYPOINTS			
Date	Project	DDM_X	DDM_Y
2023-08-21	LFI Waypoint 1	078° 14.28780956' W	33° 54.41556585' N
2023-08-21	LFI Waypoint 2	078° 14.23775471' W	33° 54.96869345' N
2023-08-21	LFI Waypoint 3	078° 14.28437403' W	33° 55.23276621' N

NOTES:
1. ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "ROGERS" 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: DAYBEACON 48A. 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 UN-AVAILABLE AT THE TIME OF SURVEY.
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7. NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL. ACCURACY +/- 3 METERS.
8. FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SAW.USACE.ARMY.MIL



WAYPOINTS

Project	Survey Date	SPF_X	SPF_Y	DDM_X	DDM_Y
Lockwood's Folly Inlet - Waypoint 1	2023-06-21	2231153.3	57870.3	078° 14.29822206' W	33° 54.39359139' N
Lockwood's Folly Inlet - Waypoint 2	2023-06-21	2231379.4	60111.9	078° 14.25010609' W	33° 54.76283090' N
Lockwood's Folly Inlet - Waypoint 3	2023-06-21	2231280.9	62928.6	078° 14.26531068' W	33° 55.22726902' N

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
	Navigation Channel



US Army Corps
of Engineers
Wilmington District



SURVEY DATE: 21-22 JUNE 2023	SURVEYED BY: DJD, LMT
MAP DATE: 12 JULY 2023	MAPPED BY: K7OPNAGF
	PROCESSED BY: K7OPNAGF
MAP SCALE: 1:3,600	
IMAGERY DATE: 27 JUNE 2023	INLET ATONS 1 THRU 8 ADDED 12 JULY 2023
© 2023 MAXAR TECHNOLOGIES	MAP FILE NAME: IN_10_LFI_20230621_CS_ATONS1

HYDROGRAPHIC SURVEY

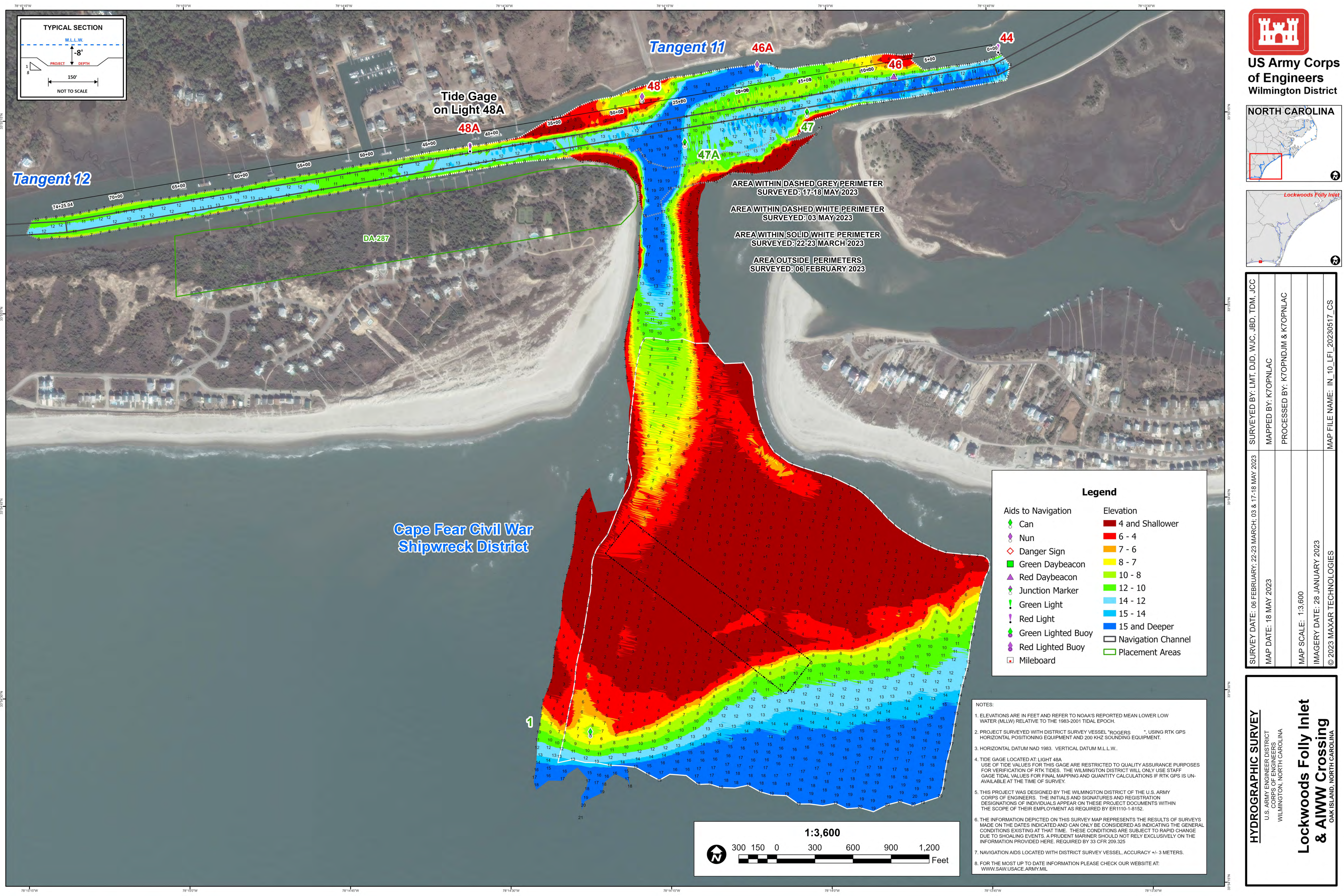
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

Lockwoods Folly Inlet
& AIWW Crossing

OAK ISLAND, NORTH CAROLINA

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US Army Corps
of Engineers
Wilmington District

NORTH CAROLINA



Lockwoods Folly Inlet

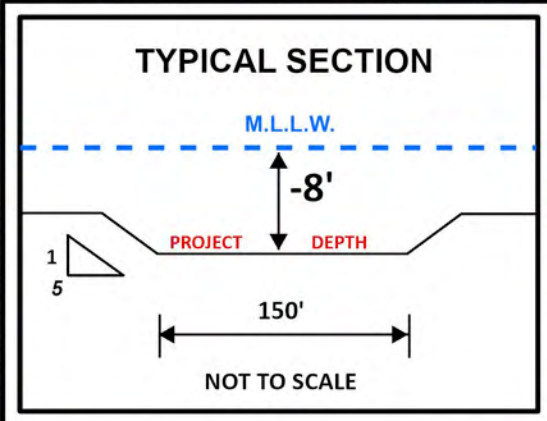
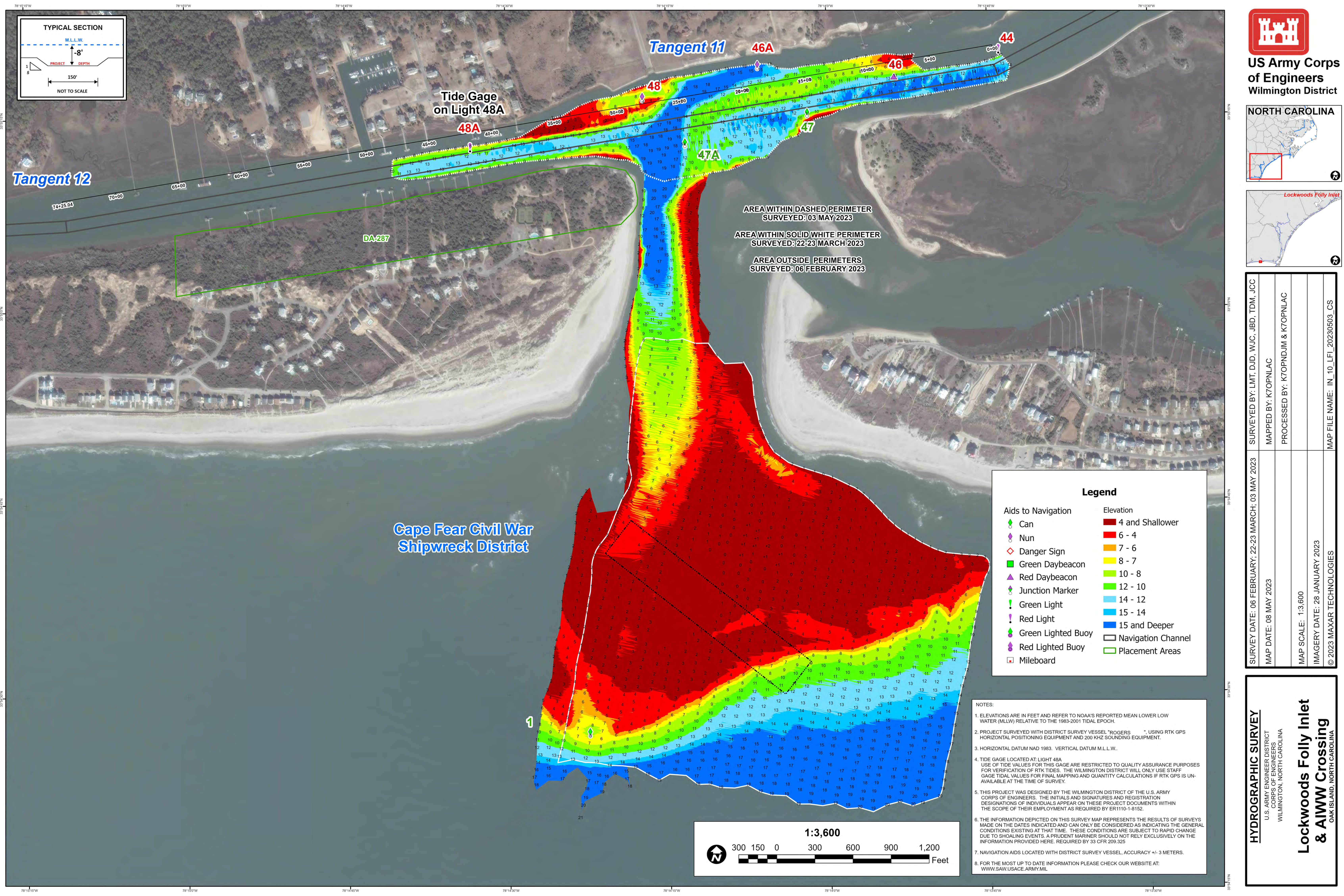


SURVEY DATE: 06 FEBRUARY; 22-23 MARCH; 03 & 17-18 MAY 2023	SURVEYED BY: LMT, D.J.D, W.J.C, JBD, TDM, JCC
MAP DATE: 18 MAY 2023	MAPPED BY: K7OPNLAC
	PROCESSED BY: K7OPNDJM & K7OPNLAC
MAP SCALE: 1:3,600	
IMAGERY DATE: 28 JANUARY 2023	
© 2023 MAXAR TECHNOLOGIES	MAP FILE NAME: IN_10_LFI_20230517_CS

HYDROGRAPHIC SURVEY

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

Lockwoods Folly Inlet
& AIWW Crossing
OAK ISLAND, NORTH CAROLINA

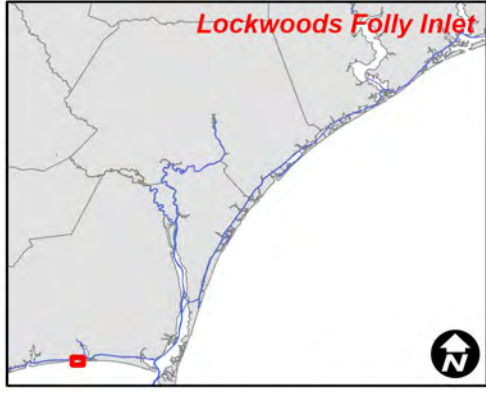




**US Army Corps
of Engineers**
Wilmington District

NORTH CAROLINA





SURVEY DATE: 06 FEBRUARY; 22-23 MARCH; 03 MAY 2023	SURVEYED BY: LMT, D.J.D, W.J.C, J.B.D, T.D.M, J.CC
MAP DATE: 08 MAY 2023	MAPPED BY: K7OPNLAC
	PROCESSED BY: K7OPNDJM & K7OPNLAC
MAP SCALE: 1:3,600	
IMAGERY DATE: 28 JANUARY 2023	
© 2023 MAXAR TECHNOLOGIES	MAP FILE NAME: IN_10_LFI_20230503_CS

Legend

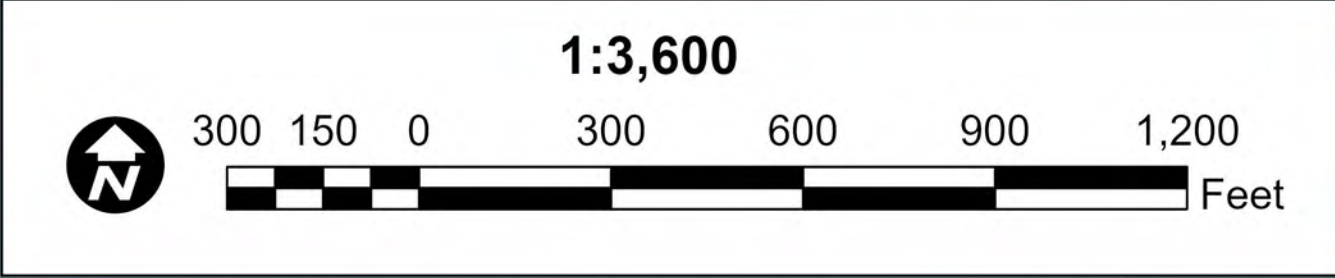
Aids to Navigation

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

Elevation

- 4 and Shallower
- 6 - 4
- 7 - 6
- 8 - 7
- 10 - 8
- 12 - 10
- 14 - 12
- 15 - 14
- 15 and Deeper
- Navigation Channel
- Placement Areas

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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

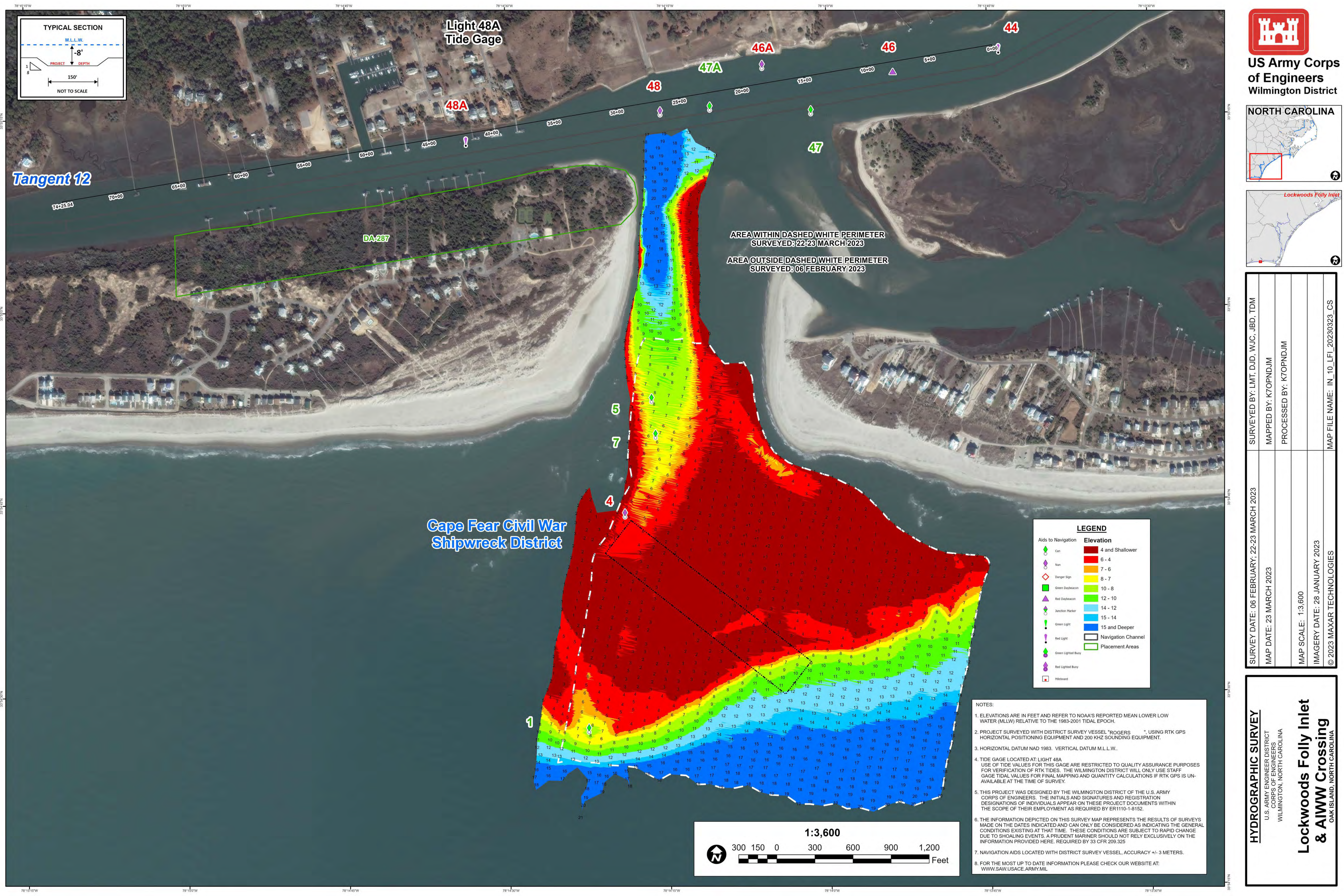


HYDROGRAPHIC SURVEY

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

**Lockwoods Folly Inlet
& AIAW Crossing**

OAK ISLAND, NORTH CAROLINA



SURVEY DATE: 06 FEBRUARY; 22-23 MARCH 2023	SURVEYED BY: LMT, D.J.D, W.J.C, J.B.D, T.DM
MAP DATE: 23 MARCH 2023	MAPPED BY: K7OPNDJM
	PROCESSED BY: K7OPNDJM
MAP SCALE: 1:3,600	
IMAGERY DATE: 28 JANUARY 2023	
© 2023 MAXAR TECHNOLOGIES	MAP FILE NAME: IN_10_LFI_20230323_CS

LEGEND

Aids to Navigation	Elevation
Can	4 and Shallower
Bun	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	Navigation Channel
Red Lighted Buoy	Placement Areas
Mileboard	

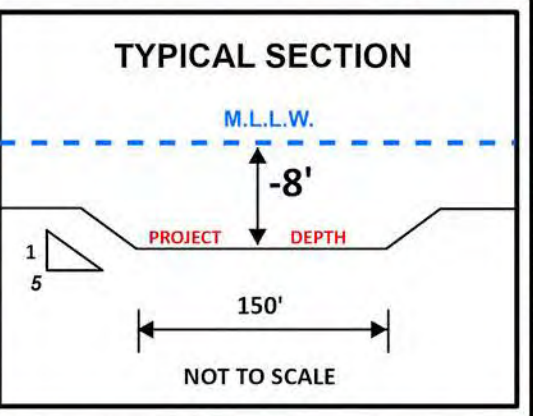
- NOTES:
- ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
 - PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "ROGERS". USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
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1:3,600

300 150 0 300 600 900 1,200 Feet



TYPICAL SECTION



1" = 150'

NOT TO SCALE

Tangent 12

**Light 48A
Tide Gage**

48A

DA-287

**AREA WITHIN DASHED WHITE PERIMETER
SURVEYED: 22-23 MARCH 2023**

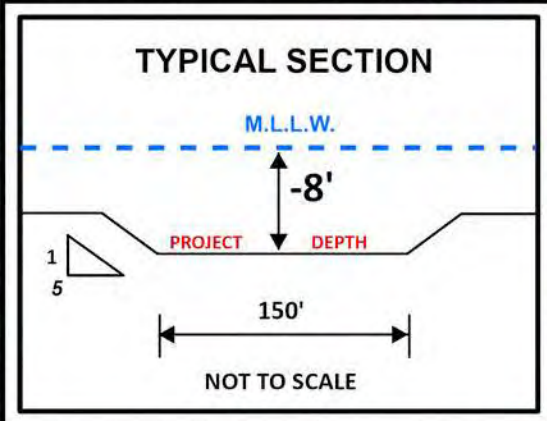
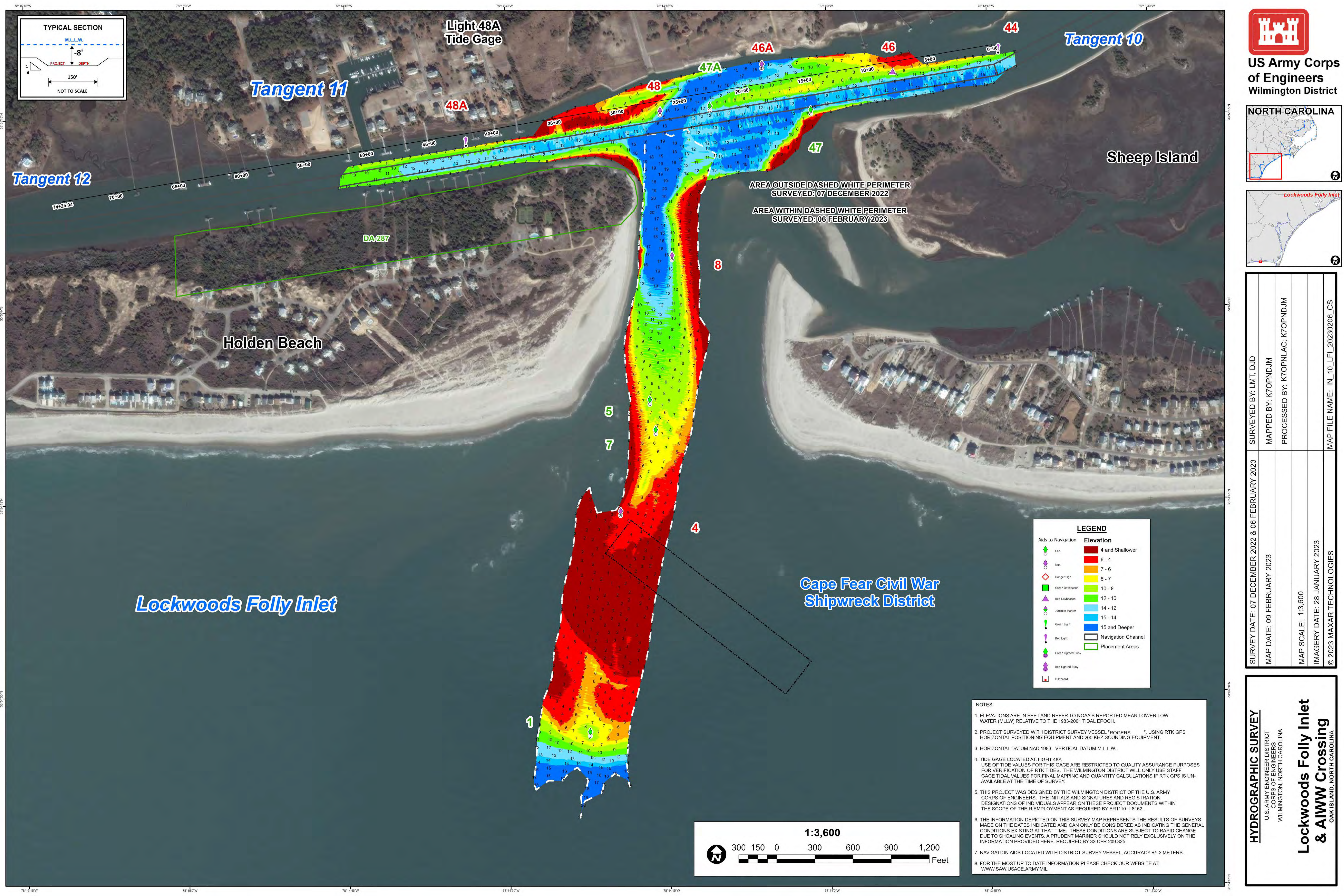
**AREA OUTSIDE DASHED WHITE PERIMETER
SURVEYED: 06 FEBRUARY 2023**

**Cape Fear Civil War
Shipwreck District**

HYDROGRAPHIC SURVEY

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

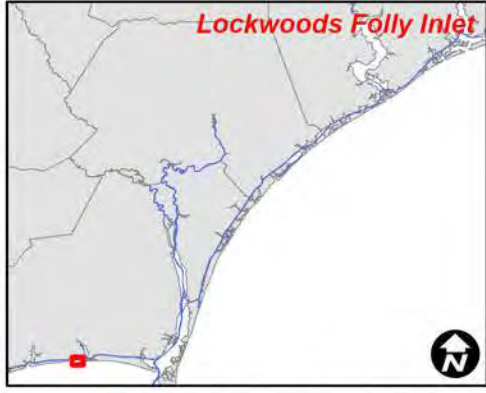
**Lockwoods Folly Inlet
& AIWW Crossing**
OAK ISLAND, NORTH CAROLINA





**US Army Corps
of Engineers**
Wilmington District

NORTH CAROLINA



SURVEY DATE: 07 DECEMBER 2022 & 06 FEBRUARY 2023	SURVEYED BY: LMT, DJD
MAP DATE: 09 FEBRUARY 2023	MAPPED BY: K7OPNDJM
	PROCESSED BY: K7OPNLAC, K7OPNDJM
MAP SCALE: 1:3,600	
IMAGERY DATE: 28 JANUARY 2023	
© 2023 MAXAR TECHNOLOGIES	MAP FILE NAME: IN_10_LFI_20230206_CS

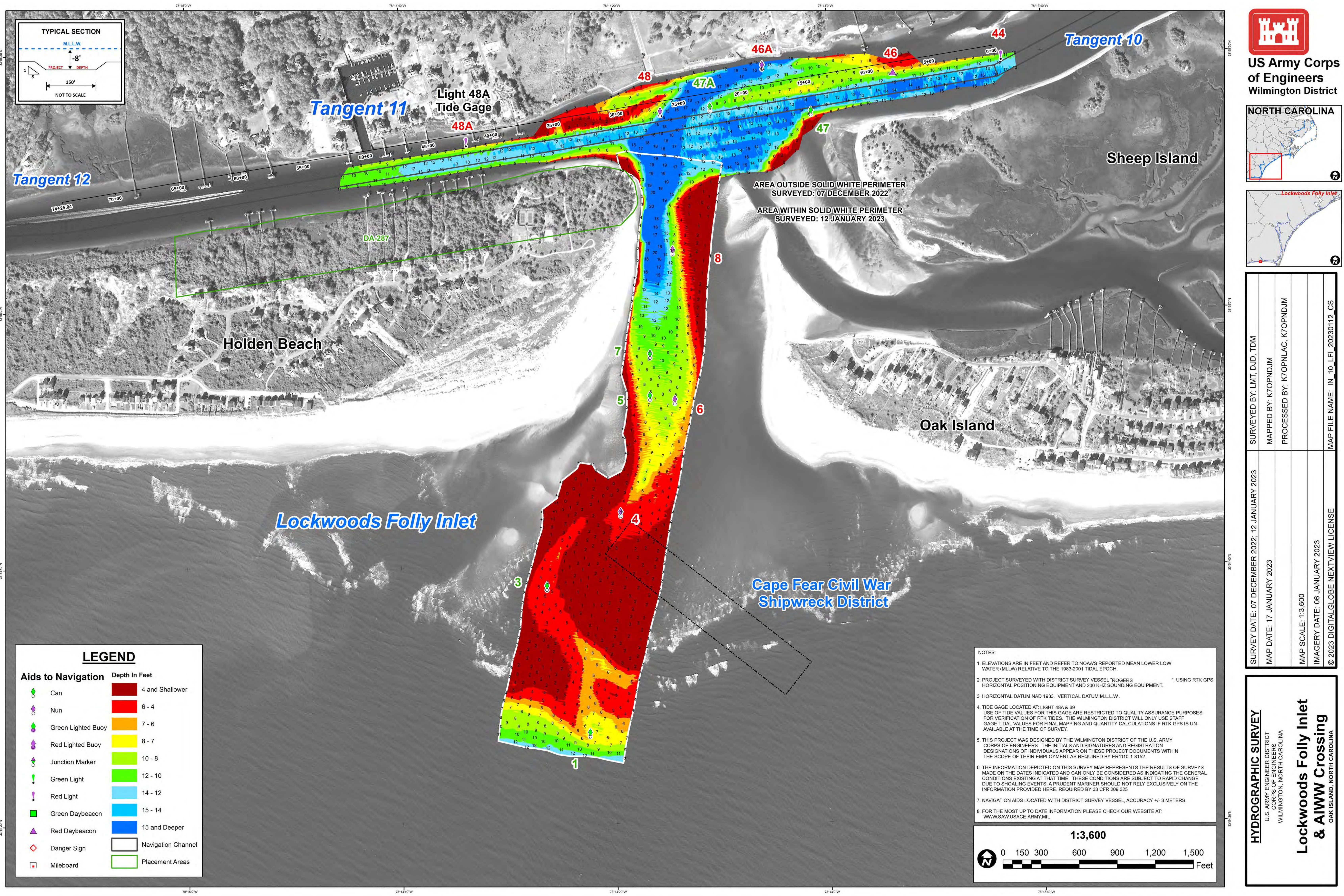
HYDROGRAPHIC SURVEY

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

**Lockwoods Folly Inlet
& AWW Crossing**

OAK ISLAND, NORTH CAROLINA

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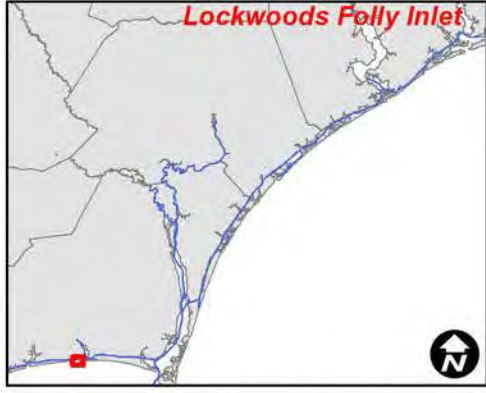




**US Army Corps
of Engineers**
Wilmington District

NORTH CAROLINA





SURVEY DATE: 07 DECEMBER 2022; 12 JANUARY 2023	SURVEYED BY: LMT, D.J.D. TDM
MAP DATE: 17 JANUARY 2023	MAPPED BY: K7OPNDJIM
	PROCESSED BY: K7OPNLAC, K7OPNDJIM
MAP SCALE: 1:3,600	
IMAGERY DATE: 06 JANUARY 2023	
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HYDROGRAPHIC SURVEY

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

**Lockwoods Folly Inlet
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OAK ISLAND, NORTH CAROLINA

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