

Depiction of Navigation Aids

On Survey vs. As Seen On The Water

Buoy		=			=	
Lighted Buoy		=			=	
Daymarker		=			=	
Light		=			=	

Our surveys provide a lot of information. However, conditions are subject to change. Below is a note added to all surveys and waypoint text files to remind the mariner of this fact. Weather reports, tide changes, and channel conditions are just a few of the many variables that should be checked before putting your boat in the water.

The information depicted on this map represents the results of surveys made on the date indicated and can only be considered as indicating the general conditions existing at that time. Because these conditions are subject to rapid change due to shoaling events, a prudent mariner should not rely exclusively on the information provided here.

In order to effectively use this survey data each vessel must be equipped with a DGPS or WAAS converted chart plotter. A GPS unit is not sufficiently accurate for this task.

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Navigation Homepage:
<http://www.saw.usace.army.mil/nav>

Wilmington District Homepage:
<http://www.saw.usace.army.mil/>

Customer Service Survey
<http://www.saw.usace.army.mil/nav/survey>

Adobe Acrobat
<http://www.adobe.com>

WinZip Utility
<http://www.winzip.com>

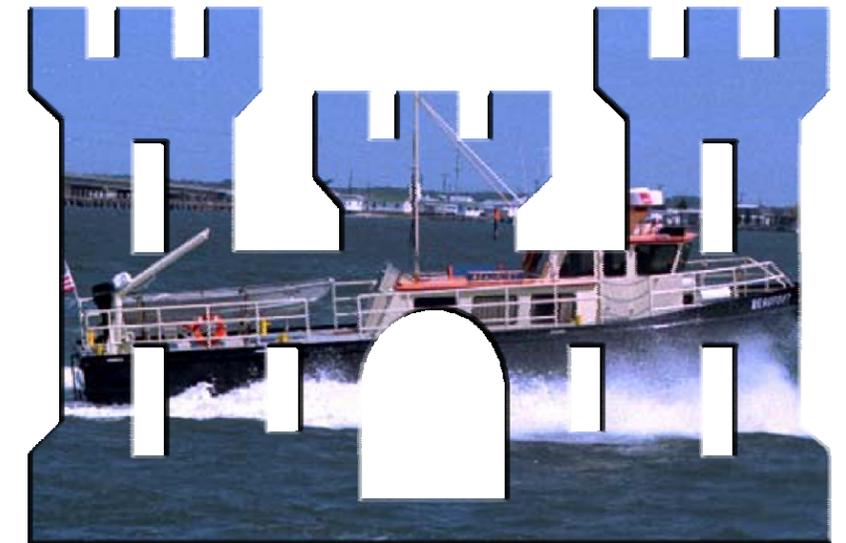
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U.S. Army Corps
of Engineers
Wilmington District

U.S. ARMY CORPS OF ENGINEERS

Wilmington District



Guide to the Navigation Webpage

<http://www.saw.usace.army.mil/nav>

Welcome to the Wilmington District Navigation Branch Web Page

Listed below are links to current hydrographic information of district navigation projects. These maps are viewable online with the use of a PDF viewer that can be [downloaded here](#). Microstation users can download the zipped DGN file. This page is updated automatically each day with the most current hydrographic data available. Please note the survey date in the title block of each map. WinZip can be used to unzip these files and an evaluation version is available for free [here](#).

1

[Information Brochure on how to use this website.](#)

2

For a location map [click here](#).

We are now displaying Aerial Photography for selected inlets.

3

[Inlet Aerial Photography](#)

Survey scheduling is based on shoaling rates and dredging schedules. Therefore, some areas are surveyed more frequently than others.

4

Atlantic Intracoastal Waterway	Coastal Inlets
Morehead City Harbor	Manteo Shallowbag Bay
Atlantic Beach Channels	Pamlico Sound to Beaufort Harbor
Small Harbor Projects	Wilmington Harbor
River Projects	Ferry Channels

5

6

Report of Channel Conditions For Channels 400ft. or Greater	Shoaling Map
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7

[Public Notices](#)

- 1 Link to a PDF file, describing the Navigation Website.
- 2 Link to a general location map of all the Navigation projects.
- 3 Wilmington District posts aerial images here of our seven federally maintained coastal inlets.
- 4 Surveys are broken down by geographical area then by channel. See next page for more information
- 5 Report of Channel Conditions for channels 400 ft. wide or greater.
- 6 Map displaying shoal areas along the Atlantic Intracoastal Waterway.
- 7 Wilmington District issues public notices to alert mariners on potential dredging operations within the District waterways.

Coastal Inlets and Connecting Channels of North Carolina

8	9	10	11	12	13
CHANNEL	MAP	CONTROLLING DEPTH	CENTERLINE WAYPOINTS	MICROSTATION DESIGN FILE	PARTIAL
OREGON INLET	4 FEBRUARY 2004	12.5'	TEXT FILE	ZIP OF DGN	03 FEBRUARY 2004
OREGON INLET BRIDGE TO OLD HOUSE CHANNEL	1 JANUARY 2004	x	n/a	ZIP OF DGN	n/a
HATTERAS INLET	21.22 SEPTEMBER 2003	x	TEXT FILE	ZIP OF DGN	n/a
OCRACOCKE INLET	17-19 NOVEMBER 2003	9.5'	TEXT FILE	ZIP OF DGN	n/a
BOGUE INLET	03.05 NOVEMBER 2003	8.0'	TEXT FILE	ZIP OF DGN	n/a
NEW RIVER INLET	19 FEBRUARY 2004	5.0'	TEXT FILE	ZIP OF DGN	n/a
TOPSAIL INLET	3 FEBRUARY 2004	5.0'	TEXT FILE	ZIP OF DGN	n/a
CAROLINA BEACH INLET	14 OCTOBER 2003	6.0'	TEXT FILE	ZIP OF DGN	23 JANUARY 2004
LOCKWOOD'S FOLLY INLET	20 JANUARY 2004	5.0'	TEXT FILE	ZIP OF DGN	n/a

- 8 Channel Name
- 9 This is the survey map in a Portable Document Format or PDF. A link to the Adobe Acrobat viewer, which is available for free, is on the main navigation webpage (left).
- 10 The minimum controlling depth encountered by following the waypoints is displayed here. This display alerts the mariner of the draft restrictions prior to entering the channel.
- 11 Links to a text file of the waypoints in state plane feet and in Geographic Latitude and Longitude displayed in degrees and decimal minutes. These waypoints are designed to help mariners navigate around shoals with the deepest water possible. Most chart plotters can import this text file and convert it.
- 12 This is the actual Design File or DGN of the survey. It has been zipped using WinZip to reduce file size. A link to the WinZip application, which is available for free, is on the main navigation webpage (left).
- 13 This is the section where the partial surveys are available in PDF format only. This section will eventually be phased out as we integrate partial surveys into full surveys so that a bigger picture of conditions is represented.



Survey Legend

CONDITION SURVEY 14			
CONTROLLING DEPTH		8.5'	15
DESCRIPTIONS			
SYMBOL	REVISIONS	DATE	APPROVED
		U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS WILMINGTON, NORTH CAROLINA	
SURVEYED BY: MKA	16	CAROLINA BEACH, NORTH CAROLINA	
DRAWN BY: JRA	17	CAROLINA BEACH INLET AND BORROW AREA 18	
CHECKED BY:			
REVIEWED BY:	SCALE: 1:3000	19	PLATE NUMBER: 12 DECEMBER 2003
APPROVED BY:	DATE: 15 DECEMBER 2003	20	SHEET OF
CHIEF, NAVIGATION BRANCH	MAP FILE NO. CBI 105-03-12	21	23

- 14 Type of survey. Usually only Condition Surveys and After Dredging Surveys are posted on the web.
- 15 Controlling depth. This is the minimum depth located along the waypoints of the channel. This alerts the mariner of the draft restrictions prior to entering the channel.
- 16 Initials of the Surveyor.
- 17 Initials of the Cartographer.
- 18 Location of survey.
- 19 Scale.
- 20 Map Date. Date on which the map was created and processing was completed.
- 21 Map file number. This is a unique numbering system that we use to identify specific maps.
- 22 Survey Date. This will be the most recent date that data was collected in this area.
- 23 A list of the files used in creating the survey.