

3583

C. & G. SURVEY,  
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MAY 21 1914  
Acc. No. ....

Diag. Chart No. 424-3

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

*A. Stittmann*  
Superintendent.

State: *N. C.*

DESCRIPTIVE REPORT.

Sheet No. *173*

LOCALITY:

*Cape Fear*

1914

CHIEF OF PARTY:

*J. B. Boutelle*

11-4845

3583

CAPE FEAR SLUE CHANNEL

North Carolina

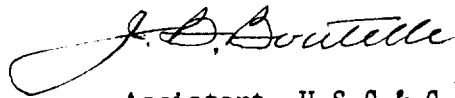
1914.

Survey of the channel locally known as Cape Fear Slue.

Signals used are Cape Fear Lighthouse and two temporary spar buoys called "A" and "B" in the record which were placed by the Light House Department for use in sounding the slue and their position as given was determined by the plane table and scaled from the topographic sheet of this date.

Tide station: The tide gauge used was at Bald Head Wharf the tide station of the U.S. Engineers.

Respectfully submitted,



Assistant, U.S.C. & G.S.,

Comdg. Str. "ENDEAVOR"

TABLE OF STATISTICS TO ACCOMPANY HYDROGRAPHIC SHEET No. \_\_\_\_\_

CAPE FEAR SLUE CHANNEL

North Carolina

1914.

Date	Letter	Vol.	pos.	Sdgs.	Miles	Boat
1914						
Apr. 29	a	1	228	1454	31.0	Launch 44
30	b	1	72	444	9.0	"
May 4	c	1	53	344	7.4	"
4	c	2	77	438	9.5	"
				430	2680	56.9

Area: 22 sq. stat. miles

# GEOGRAPHIC

U.S.S. "Enderbury"

Locality *Cape Fear, Blue Channel, 1914*

Datum.

11-676

STATIONS.	Name used Hydrog Record	LATITUDE. ° ' "	Seconds in Meters.	LONGITUDE. ° ' "	Seconds in Meters.
<i>Cape Fear Lighthouse</i>	<i>Lt.</i>	<i>33 50 47.05</i>	<i>1449.5</i>	<i>77 57 50.01</i>	<i>1285.8</i>
<i>Spar "A"</i>	<i>S-A</i>	<i>33 50</i>	<i>1030</i>	<i>77 56</i>	<i>1232</i>
<i>Spar "B"</i>	<i>S-B.</i>	<i>33 50</i>	<i>536</i>	<i>77 59</i>	<i>94</i>
<i>Black can buoy No. 1</i>		<i>33 50</i>	<i>23</i>	<i>77 57</i>	<i>610</i>
<i>Red nun buoy No. 2</i>		<i>33 49</i>	<i>1438</i>	<i>77 57</i>	<i>611</i>
<i>Red nun buoy No. 4</i>		<i>33 49</i>	<i>1494</i>	<i>77 58</i>	<i>238</i>

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# POSITIONS.

*State*

	AZIMUTH. °   '   ''	BACK AZIMUTH. °   '   ''	TO STATIONS.	DISTANCE. Meters.	LOGARITHMS.
<p>Do not write in this margin.</p>					

June 6, 1914

HYDROGRAPHIC SHEET 3583.

Slue Channel, Cape Fear River, North Carolina, by  
Assistant J. B. Boutelle in 1914.

TIDES.

	Bald Head ft.
Mean low water, or plane of reference on staff	2.6
Lowest tide observed " "	1.3
Highest " " " "	8.6
Mean range of tide	4.3

JUN - 9 1914

Wash. D. C.

Report on Verification of  
Hydrographic Sheet No 3583

The sheet used as a boat sheet was well plotted and was accepted as the original. Soundings lines in places do not cross well, there being differences as great as 3 feet in depths of 12 feet. I think the bad crossings are due to the fact that floating objects were used as signals, only one fixed object, <sup>on the sheet</sup> being used as a signal.

Owing to the great change that has occurred since the last survey, the work was not extended enough to make a satisfactory junction with the old work.

Geo P Flower