

1547^a

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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

D. Pittman
Superintendent.

State: *N. C.*

DESCRIPTIVE REPORT.

Hyd. Sheet No. *1547* ^a

LOCALITY:

Cape Fear
River

1914.

CHIEF OF PARTY:

J. B. Boutelle

11-4645

1547^a

DESCRIPTIVE REPORT OF HYDROGRAPHIC SHEET No. 1547^a Field No. B.

CAPE FEAR RIVER ENTRANCE

North Carolina

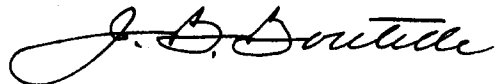
1914.

Examination of eastern edge of Middle Ground and channel between buoys 5 and 7 and to Fort Caswell Range.

Soundings referred to tide gauge at Bald Head Wharf, the tide station of the U.S. Engineers.

The position of the range lights used as signals called Flash, Fix, Low, High and Red in the record and given on the accompanying list of geographic positions are scaled from the topographic sheet of the locality of this date.

Respectfully submitted,



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

Comdg. Str. "ENDEAVOR"

H. 1547 Supplemental.

Tracing Cape Fear River entrance.

This supplemental work shows development on the eastern edge of the middle ground, and the channel between the middle ground and Baldhead Lighthouse.

It appears sufficient.

Sheet examined in Div.
of Hyd'y & Top'y.

TABLE OF STATISTICS TO ACCOMPANY HYDROGRAPHIC SHEET No. _____

CAPE FEAR RIVER ENTRANCE

North Carolina

1914.

Date	Letter	Vol.	Pos.	Sdgs.	Miles	Boat
1914						
May 7	a	1	187	972	23.0	Launch 44
8	b)					(Launch 44
	(1	70	405	9.5)
8	A)					(Endeavor
			257	1377	32.5	

Area: 1 sq. stat. mile

U.S.S. "Endeavor".

GEOGRAPHIC

Locality *Cape Fear River, entrance - 1914*

Datum.

11-676

STATIONS.	Name used Hydro C Record	LATITUDE.		Seconds in Meters.	LONGITUDE.		Seconds in Meters.
		°	' "		°	' "	
<i>New Channel front range</i>	<i>Flash</i>	33	52	902	78	00	873
<i>New Channel rear range</i>	<i>Fix</i>	33	52	1716	77	59	1083
<i>Bald Head front range</i>	<i>Low</i>	33	52	236	78	00	527
<i>Bald Head rear range</i>	<i>High</i>	33	52	278	78	00	182
<i>Fort Caswell front range</i>	<i>Red</i>	33	52	1200	78	00	82
<i>Smiths Isd. front range</i>	<i>Front</i>	33	53 13.33	410.7	77	59 49.88	1281.8
<i>Smiths Isd. rear range</i>	<i>Rear</i>	33	53 34.94	1076.4	77	59 32.41	832.8
<i>Bald Head Lighthouse</i>	<i>Bald</i>	33	52 23.86	735.1	77	59 54.11	1390.8
<i>Water Tank (Fort Caswell)</i>	<i>Tank</i>	33	53 35.32	1088.2	78	00 51.84	1332.0
<i>Oak Isd. L.S.S. center of lookout</i>	<i>Oak</i>	33	53 34.28	1056.1	78	01 54.78	1407.7

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POSITIONS.

State RHODE ISLAND

AZIMUTH. ° ' "	BACK AZIMUTH. ° ' "	TO STATIONS.	DISTANCE. Meters.	LOGARITHMS.

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VEC
June 6, 1914.

HYDROGRAPHIC SHEET 1547a.

Cape Fear River Entrance, 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