



C. & G. SURVEY,
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OCT 27 1913
Acc. No.

3535

Diag. Cht. No. 1231-1

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

.....
Superintendent.

State: *North Carolina*

DESCRIPTIVE REPORT.

Hyd. Sheet No. *3535*

LOCALITY:

Pamlico Sound
Jones Bay Entrance

.....
1913
.....

CHIEF OF PARTY:

P. C. Whitney

11-4645

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Discriptive Report

to accompany hydrographic sheet

Revision work

Lower Neuse River

North Carolina

Paul C. Whitney

Chief of Party

May, 1913

The hydrography on this sheet includes the development of the points of shoals and other doubtful places in the lower Neuse River, North Carolina. It was done under instructions of April 22, 1913, and the localities were laid down by the Office, on Chart No. 144², which was forwarded with my instructions.


The signals as plotted are from a triangulation executed in 1913 by this party, based on the net brought down the river in 1911 by Assistant Ritter. The shore-line and improvements at Oriental, together with the topographic signals, to be used in hydrography, are from a plane-table survey made this season.

A sub-sketch shows the present conditions of the hydrography at Oriental, in the area surveyed. There is now a depth of 10 feet in the dredged channel about 9 feet at the principal wharves of the town. As shown by the survey, the cove to the northward has been dredged to a depth of 10 feet and the best anchorage is in this cove, for small launches,

and between the outer end of the railroad bridge and the end of the bulkhead for larger vessels. The Hydrographer anchored in this latter position. To enter the harbor, pass 100 feet or less, westward of the entrance light, a three pile slated beacon, painted red and displaying a fixed red light, and steer N. x ~~W~~ 1/2 W. (mag.) for the saw-mill wharf, passing 100 feet, or less, off the end of the bulkhead, and continue to the saw-mill wharf, which will clear the end of a shoal that extends out over halfway from the western side. If bound for the railroad wharf, after passing the bulkhead steer directly for that wharf. Gasoline, general supplies and ice may be obtained here.

Tides were read at Oriental to reduce this hydrography by.

Respectfully submitted,



commanding Str. Hydrographer.

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List of Statistics
to accompany Hydrographic Sheet
Revision Work
Lower Neuse River
North Carolina

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Date	Vol.	Let.	Miles.	Pos.	Sdgs.	
1913 Apr. 30	1	a	15.5	139	1142	Launch
May 1	1	b	21.0	119	1114	"
1	2	b	6.0	55	324	"
5	2	c	3.0	46	307	"
6	2	d	12.0	89	685	"
7	2	e	10.6	55	500	"
12	2	f	8.5	44	442	"
June 14	3	g	2.0	43	289	Whaleboat
Totals	3	7	78.6	570	4783	

Tidal Note:

Mean Low Water was the plane of reference used corresponds to a reading of 3.5 feet on the Tide Gauge.

Tide Gauge at Oriental, N. C.

The highest tide observed corresponds to a tide gauge reading of 4.6 feet.

The lowest tide observed corresponds to a tide gauge reading of 2.8 feet.

MKQ
Nov. 11, 1913.

HYDROGRAPHIC SHEET 3535

Neuse River, N. C., by
Assistant P. C. Whitney in 1913.

TIDES.

	Oriental ft.
Mean low water, or plane of reference on staff	3.5
Lowest tide observed " "	2.8
Highest tide observed " "	4.6
Mean range of tide	0.3