

3664

C. & G. SURVEY,
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JUL 27 1914
Acc. No. _____

Diag. Chart No. 1231-1

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Tittmann
Superintendent.

State: N. C.

DESCRIPTIVE REPORT.

Hyd. Sheet No. 3664

LOCALITY:

191

CHIEF OF PARTY:

P. C. Whitney

11-4645

3664

Descriptive Report
to accompany Hydrographic Sheet 3664

Examinations in Rose Bay

North Carolina

April - May, 1914

Paul C. Whitney

Chief of Party

The hydrography embraced on this sheet was made in accordance with instructions under date of December 4, 1914, and notes on Chart No. 144² accompanying the instructions.

The signals as plotted depend upon triangulation executed by this party during the season. The hydrographic determinations of signals Hyd and Net are found in the Sound^{ing} records.

It is to be noted that the channel from Swan Quarter Canal runs south of Swan Quarter Canal Light, which is contrary to the way shown on the chart. . Note ~~also~~ also the position of Judith Marsh Light^{which} as shown on the chart is very much in error by our surveys. An examination was made in the vicinity of Red Buoy No. 4, which was suspected to be in the wrong position to define the point of the shoal. The survey confirmed this idea, and the buoy should be placed in its proper position.

Tides were read at Pamlico Point L. H. to reduce these soundings by, the plane of reference used being 5.0 feet on the staff.

Respectfully submitted,

Paul C. Whitney
Chief of Party, C. & G. S.

List of Statistics
 to accompany Hydrographic Sheet
Examinations in Rose Bay
North Carolina

Date	Vol	Day	No. of Miles	No. of Pos.	No. of Sdgs.	Boat
1914 Apr. 30	1	a	22.5	180	989	Stbd Launch
May 1	1	b	7.5	92	477	ditto
totals	1	2	30.0	272	1466	

Tide Gauge located at Pamlico Point Light House

Plane of Reference used equals 5.0 feet, on tide-gauge

Sounding unit used equals fathoms

E L.T.
Aug. 12, 1914.

HYDROGRAPHIC SHEET 3664.

Rose Bay and Swan Quarter Canal, North Carolina, by
Asst. Paul C. Whitney in 1914.

Tides.

	Pamlico Light ft.
Mean low water, or plane of reference on staff	5.0
Lowest tide observed " "	3.6
Highest " " " "	6.4
Mean range of tide	0.4

H. 3664.

Small patches of supplementary work in Pamlico Sound.

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