

5842

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, Director

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. 6

State South Carolina

LOCALITY

Waccamaw & Pee Dee Rivers

Big Bull Creek & Vicinity

1935

CHIEF OF PARTY

J. C. Sammons

5842

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 6

REGISTER NO. 5842

State South Carolina

General locality Waccamaw & Pee Dee Rivers
~~Georgetown, S. C.~~

Locality Big Bull Creek & Vicinity
~~Waccamaw River and Pee Dee River~~

Scale 1:10,000 Date of survey March, 19 35

Vessel Skiffs

Chief of Party Jack C. Sammons

Surveyed by A. M. Weber

Protracted by C. J. Harryman

Soundings penciled by C. J. Harryman

Soundings in ~~fathoms~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by _____

Inked by M. D. Cooper

Verified by M. D. Cooper

Instructions dated October 25, 1934, 19

Remarks: _____

DESCRIPTIVE REPORT TO ACCOMPANY
HYDROGRAPHIC SHEET NO. 6.

1. INSTRUCTIONS: -- No specific instructions were furnished for this project, but instructions dated October 25, 1934 were considered to apply. The surveying methods and limits of survey were determined by Lt. B. H. Rigg.
2. PURPOSE OF SURVEY -- The purpose of this survey is to furnish the data for the new intracoastal waterway chart. The attention was paid to the development of the waters which are to form a part of the intracoastal waterways.
3. LIMITS OF SHEET -- This sheet joins on to sheet 5 at the southern limits and to sheet 7 at the northern limits.
4. SURVEY METHODS -- On the Waccamaw River from the southern limits of this sheet to triangulation station Enterprise, the hydrography is controlled by the usual method of three point sextant fixes taken on signals located by triangulation or on graphic control sheets. All other hydrography shown on this sheet is controlled by fixes consisting of range finder distances and compass bearings of signals or points spotted on the photo compiled shore line shown on the boat sheet. All sounding lines are run parallel to the channel and spaced approximately 50 meters apart. No cross lines were run. All soundings are recorded in fathoms and feet and plotted on the smooth sheet in feet. Both the shallow draft launch and a skiff with outboard motor were used in making this survey. All soundings were taken with the hand lead line.
5. DISCREPANCIES -- In some cases the hydrographer estimates the distance to the shoreline and this does not check the distance as shown on the smooth sheet. This is due to the fact that the shore line is fringed with trees and it is impossible to determine the exact shore line from the photographs. Some of the small creeks shown in the compilation are actually blocked off from the main stream and could not be surveyed. These creeks are of no importance.
6. DANGERS -- There are numerous logs and snags in all the streams shown on this sheet, many of these snags are submerged.
7. CHANNELS -- The inland water way passes through the Waccamaw River from the southern limits of the sheet to the vicinity of triangulation station "ENTERPRISE" where it enters the dredged cut. At the time this Survey was made the dredged cut was under construction and could not be used for traffic. There are no aids to navigation and some local knowledge is required to navigate these streams. The controlling depth of the part of the Waccamaw River shown on this sheet is 10 feet. The controlling depth of the part of the Pee Dee River south of its junction with Great Bull Creek is 7 feet and north of this junction is 14 feet. The controlling depth in Great Bull Creek shown on this sheet is 12 feet.
8. COMPARISON WITH PREVIOUS SURVEYS: -- There are no previous hydrographic surveys of this area.
9. GEOGRAPHIC NAMES -- The names Waccamaw River, Pee Dee River, and Great Bull Creek are discussed in report for sheets 3, 4 and 5. The junction of Great Bull Creek and the Pee Dee River is called Hell Gate. This name was obtained from Mr. Bull of Georgetown, S. C. No other names were obtained for Geographic features in this area.

10. LANDMARKS FOR CHARTS: - - There are no objects on this sheet sufficiently prominent for landmarks for charts.


A. M. Weber,
A. M. Weber, Surveyor.

NOTES BY CHIEF OF PARTY

All record books and the smooth sheet have been examined by the Chief of Party and are approved.

The sounding lines in the Pee Dee River and in Great Bull Creek were run continuously through sheet 5 and 6. It was therefore necessary to copy part of these records in to volumes for sheet 5 to make the record books agree with the smooth sheets.

Respectfully,


Jack C. Sammons.

STATISTICS FOR HYDROGRAPHIC SHEET 6

Day Letter	Statute Miles of Sounding Line	Number of Soundings	Number of Positions
a	1.3	80	8
b	2.6	203	15
c	3.0	132	20
d	2.8	196	14
e	2.9	136	14
f	7.4	465	30
g	22.4	1085	122
h	12.0	701	60
i			
j	<u>12.0</u>	<u>656</u>	<u>109</u>
Totals	66.4	3654	392

STATISTICS FOR HYDROGRAPHIC SHEET NO.6

NAME	LOCATED BY	REMARKS
A	Spotted	
1-A	"	
2-A	"	
AT	"	
B	"	
1-B	"	
2-B	"	
BIG	"	
BIT	G.C.S. J	Signal on Shoreline
BOLT	Spotted	
BOSS	"	
BOW	G.C.S. J	Signal on Shoreline
BRIDGE	Spotted	
BUZ	"	
C	"	
1-C	"	
2-C	"	
CLAY	G.C.S. J	Signal on Shoreline
CAR	Spotted	
CLOT	"	
COOL	G.C.S. J	Signal on Shoreline
COT	G.C.S. J	Signal on Shoreline
CUB	G.C.S. J	Signal on Shoreline
D	Spotted	
1-D	"	
2-D	"	
DAISY	"	
DEAD	G.C.S. J	Signal on Shoreline
DIKE	G.C.S. J	Signal on Shoreline
DIP	G.C.S. J	Signal on Shoreline
DIM	Spotted	
DISH	"	
DIVE	"	
E	"	
2-E	"	
F	"	
1-F	"	
2-F	"	
FILL	"	
FINE	"	
FIRE	G.C.S. J	Signal on Shoreline
FIX	G.C.S. J	Signal on Shoreline
FLOP	G.C.S. J	Signal on Shoreline
FUN	G.C.S. J	Signal in tree on Shoreline
G	Spotted	
1-G	"	

Name	Located By	Remarks
2-G	Spotted	
GAP	G.C.S. J	Signal on Shoreline
GET	G.C.S. J	Signal in Shallow Water off Point
GRILL	G.C.S. J	Signal in tree in Shallow Water
GRIT	G.C.S. J	Signal on Shoreline
1-H	Spotted	
2-H	"	
HART	G.C.S. J	Signal at Shoreline
HAWK	G.C.S. J	Signal in tree near Shoreline
HAY	G.C.S. J	Signal on Shoreline
HIT	G.C.S. J	Signal on Shoreline
IVY	Spotted	
J	"	
1-J	"	
2-J	"	
K	"	
1-K	"	
2-K	"	
L	"	
1-L	"	
2-L	"	
M	"	
1-M	"	
2-M	"	
MINT	"	
MOSS	"	
N	"	
1-N	"	
2-N	"	
NEW	Triangulation	Signal in Tree
P	Spotted	
1-P	"	
2-P	"	
Q	"	
1-Q	"	
2-Q	"	
R	"	
1-R	"	
2-R	"	
REX	"	
RUBY	"	

NAME	LOCATED BY	REMARKS
S	Spotted	
1-S	"	
2-S	"	
SIS	"	
SCUM	"	
STACK	Triangulation	Signal on Land
T	Spotted	
2-T	"	
U	"	
1-U	"	
2-U	"	
V	"	
1-V	"	
2-V	"	
VEX	"	
W	"	
1-W	"	
2-W	"	
X	"	
1-X	"	
2-X	"	
Y	"	
1-Y	"	
2-Y	"	
Z	"	
1-Z	"	
2-Z	"	

TIDE NOTE FOR HYDROGRAPHIC SHEET

Aug. 1, 1935.

Division of Hydrography and Topography:

✓ Division of Charts: Attention: Mr. E. P. Ellis

Tide Reducers are approved in
3 volumes of sounding records for

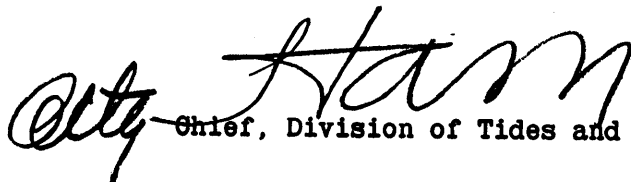
HYDROGRAPHIC SHEET 5842

Locality Big Bull Creek and Vicinity, Waccamaw River, South Carolina.

Chief of Party: J. C. Sammons in 1935.
Plane of reference is mean low water reading
4.9 ft. on tide staff at Enterprise
13.7 ft. below B.M. 1
5.1 ft. on tide staff at Toddville
6.6 ft. below B.M. 1
3.4 ft. on tide staff at "Jack"
4.2 ft. below B.M. 1
3.9 ft. on tide staff at "Bull"
6.2 ft. below B.M. 1

Height of mean high water above plane of reference is 2.0 feet at Enterprise; 1.3 feet at Toddville; 2.3 feet at Jack; 1.2 feet at Bull.

Condition of records satisfactory except as noted below:


Chief, Division of Tides and Currents.

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. ...5842

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	392.
Number of positions checked	45
Number of positions revised	2
Number of soundings recorded	3654
Number of soundings revised	8
Number of signals erroneously plotted or transferred	0

Date: Aug. 12, 1935
Verification by M.D. Cooper
Review by R.J. Christman

Time: 30 HRS.
Time: 6 1/2 { Sket 2 1/2 hrs
Rev. 4 hrs

HYDROGRAPHIC SURVEY NO. 5842

Smooth Sheet 1

Boat Sheet 1

Sounding Records 3 Vols.

Descriptive Report Yes

Title Sheet Yes

List of Signals Yes in Vol. 1

Landmarks for Charts (Form 567) None

Statistics Yes

Approved by Chief of Party J. C. Sammons

Recoverable Station Cards (Form 524) None

Special Chart for Lighthouse Service None
(Circular Nov. 30, 1933)

Remarks

H-5843²

H-5843²

AKM
7/9/02

The records conform to the requirements, they have been neat and accurately recorded.

The usual depth curves can be drawn, but in some places due to detailed development only the more important curves were shown.

The field plotting was completed as required, and was found to be very accurate, no omissions were noted.

The drafting by the field party was very neat, and the only correction necessary was to reduce the size of the free-hand lettering which had reference to certain hydrographic features.

The adjoining sheets have not been verified therefore junctions were not made.

REMARKS:-

This was a very good sheet, neatness prevailed throughout, found to be very accurate, and very few changes were made.

M. D. Cooper - Verifier.
Aug. 12, 1935

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5842 (1935) - FIELD NO. 6

Big Bull Creek and Vicinity, Waccamaw and Pee Dee Rivers, South Carolina
Surveyed in March, 1935
Instructions dated October 25, 1934 (J. C. Sammons)

Hand Lead Soundings.

3 Point Fixes on Shore Signals;
Range Finder and Bearings to
Signals and to Points Spotted
On the Shoreline.

Chief of Party - J. C. Sammons.
Surveyed by - A. M. Weber.
Protracted by - C. J. Harryman.
Soundings pencilled by - C. J. Harryman.
Verified and Inked by - M. D. Cooper.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual except that day letters and position numbers were shown in black on cover and title page of sounding records instead of the proper color. These have been changed in the office.

The Descriptive Report satisfactorily covers all items of importance.

2. Compliance with Instructions for the Project.

The plan and character of development are in accordance with the specifications of this class of work. No specific instructions were furnished for this particular area.

3. Shoreline.

The shoreline originates with air photo compilation T-5249 (1934).

Signals are from 1934 triangulation, Graphic Control Sheet ^IH-6329 (1935) and points spotted on the air photo compilation boat sheet by the hydrographer.

4. Sounding Line Crossings.

No cross lines were run but soundings in general are consistent.

5. Depth Curves.

In the wider channels the usual depth curves can be satisfactorily drawn. In the narrow channels where single lines of soundings were run, no curves are shown.

6. Junction with Contemporary Surveys.

Junctions with H-5843 (1935) to the north and H-5841 (1935) to the south are satisfactory.

The present survey represents the western limit of hydrography in the Pee Dee River.

7. Comparison with Prior Surveys.

No prior surveys have been made by the bureau in the area represented by this sheet.

8. Comparison with Chart 1237.

The area represented by the present survey is shown blank on the above chart.

9. Field Plotting.

The plotting was accurate and the drafting in general was very well done. The only change made by the verifier was to reduce the size of the lettering pertaining to some of the hydrographic features.

10. Additional Field Work Recommended.

The survey is very satisfactory and no further work is required within the limits of the present survey. However, because of the deep water in the Pee Dee River, it may be desirable to extend the survey westward to the limits of navigation.

11. Superseding Old Surveys.

This is the first survey made by the bureau in this area.

12. Reviewed by - R. J. Christman, September 25, 1935.

Inspected by - A. L. Shalowitz.

Examined and approved:

C. K. Green, *C. K. Green*
Chief, Section of Field Records.

F. S. Borden
Chief, Section of Field Work.

L. O. Sabat
Chief, Division of Charts.

Grude
Chief, Division of H. & T.

25 Dec. 31 1935
CAP.

Applied to sheet 896 Jan. 30, 1936. A.C.