

4146

U. S. SURVEY
U. S. A.
JAN 6 1920
No. No.

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State:

11-5613

DESCRIPTIVE REPORT.

Sheet No. 4146

LOCALITY:

Nuss River

Oriental Harbor Entrance

and Green Creek

1920

CHIEF OF PARTY:

J. H. Hawley

4146

DESCRIPTIVE REPORT
to accompany
Hydrographic Sheet No. 3 (field number)

This sheet shows the hydrographic survey of Oriental Harbor and entrance, with lines in Green Creek, made in accordance with instructions dated January 23, 1920. A change in names of the creeks will be noted on this sheet and topographic sheet No. 1. The main creek adjacent to the harbor is known locally as Green Creek.

This work was done at times when outside work was prevented by bad weather and other causes. The first work was plotted on boat sheet No. 3 and it was necessary to reject the work in the harbor and some of the work at the entrance, which was done by junior officers of the party, for various reasons. The first work in the entrance was done in rough weather and was unsatisfactory on that account. The work in the harbor was done with launch No. 56 and was not satisfactory due to poor selection of objects and to the difficulty experienced in obtaining positions and spacing the soundings on the short lines across the harbor.

The lines were therefore re-run, a pulling boat being used for the cross lines in the harbor. The last work is plotted on boat sheet No. 3a.

A stop at Oriental is rarely made by the boats making the inside run but the harbor is used considerably by local fishing boats and by boats from the surrounding farms that bring produce in considerable quantity and ship from the railroad wharf. Lumber barges are sometimes brought in to the lumber wharf to load lumber, and log rafts are frequently towed in when the mill is in operation.

The best water at the entrance will be found on a course about N.W. by W. (magnetic) with the entrance beacon a little on the starboard bow. On the southwest side of the harbor is the ruins of a brick building, of which one wall and one side of a chimney still remains, and this chimney on the entrance beacon forms a good range for entering. This chimney is shown as signal "Tow" on the sheet. The course should be changed to round the entrance beacon at a distance of about 50 feet and to then head for the end of the railroad wharf. After passing the sand spit on the east side of the entrance the small bight on the east side of the harbor can be entered. There are two small wharves on the north side of this bight and at the wharf nearest the head of the bight, maintained by the Goodwin Fish company, gasoline can usually be obtained. A small machine shop, called the Neuse Machine Works, at Oriental offers excellent facilities for repairs to gasoline engines and boat machinery in general. Water can be obtained from an artesian well about 300 feet up from the head of the railroad wharf.

The railroad wharf is in a delapidated condition, though some effort is made to keep the north side in repair, and the two long wharves South-east of the wharf are in ruins.

Vessels alongside the railroad wharf should work their propellers with caution on account of sunken logs.

A large, stylized handwritten signature in cursive script, appearing to read "J.H. Hawley".

J.H. Hawley,
Chief of Party.

ORIENTAL HARBOR NORTH CAROLINA

STATISTICS

Sheet 3

DATE 1920	LETTER	VOLUME	POSITIONS	SOUNDINGS	MILES STATUTE	VESSEL
June 23	A	1	50	510	10.5	Launch #56
Sept 21	B	1	79	530	6.0	Cutter
" 24	C	1	91	625	12.4	Launch #56
" 25	D	1	26	165	2.8	" "
		Total	246	1830	31.7	

HYDROGRAPHIC SHEET NO. 3.
Oriental Hbr., N.C.

Automatic tide gauge at Oriental, N.C.
Plane of reference is mean sea level minus 0.5 foot.
Gauge reading corresponding to plane of reference is 2.9 feet.

Highest tide observed during work	5.3 feet on staff.
Lowest tide observed during work	2.7 feet on staff.

INDEX OF SIGNALS
 Hydrographic Sheet Number 3.
 Oriental Hbr., N.C.

Hydrographic name	Full name, location, etc.		
Tal ✓	Trian. Station	Oriental	Sawmill, sq. red tower, 1913.
Saw ✓	" "	" "	black tower, 1913.
Spire ✓	" "	Oriental ch.	steeple, 1913.
Slim	" "	Smoke stack,	Oriental, 1913.
Bin	" "	Oriental	beacon, 1920.
San	" "	Sand beach	3, 1920.

All other stations from topographic sheet No. 1.

Black Spar buoy # 1 ✓	Page 11, vol. 1 of sounding record.
Black spar buoy # 3 ✓	Page 10 vol. 1 of sounding record.

DIRECTOR
ADDRESS THE SUPERINTENDENT
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO.

41/VFB

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

January 25, 1921.



Division of Hydrography and Topography:

Division of Charts:

Tidal reductions are approved in
1 volume of sounding records for

HYDROGRAPHIC SHEET 4146

Oriental Harbor, Neuse River, North Carolina.
J. H. Hawley in 1920.

Plane of reference is

Mean water level - 0.5 ft., reading = *Mean low water*

2.9 ft. on tide staff at Oriental Harbor.

Condition of records; satisfactory.

A handwritten signature in cursive script, appearing to read "G. W. Hude".

Chief, Division of Tides and Currents.

Hydrographic Sheet No. 4146
Oriental Harbor and Green Creek.
North Carolina.

This sheet was protracted and pencil plotted by the Field Party and can be considered good work and can only be criticised as to having been plotted in feet and fathoms. This is unnecessary and only makes additional work. It should be omitted except in critical places.

At first glance it would appear that the area is not well covered but when the scale is considered, 1-5000 this criticism fails and the work appears quite sufficient to develop the approach to "Oriental" which is the only town of importance in this vicinity.

The records are of a good character and leaves but few problems to be solved.

John D. Torrey
2/4/21

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

SECTION OF FIELD RECORDS.

REPORT ON HYDROGRAPHIC SHEET No. 4146.

Surveyed in 1920.

Chief of Party: J. H. Hawley.

Surveyed by F. E. Okeson and
J. H. Hawley.

Protracted by B. H. Rigg.

Soundings plotted by J. H. Hawley.

Verified and inked by J. D. Torrey.

1. The records conform to the requirements of the General Instructions except for the omission of boats' courses and beginnings and endings of sounding lines are not described.
2. The plan and extent of development fulfills the requirements of the General Instructions and satisfy the specific instructions.
3. The sounding line crossings are adequate.
4. The data are sufficient to enable the usual depth curves to be completely drawn except in Green Creek where the lines are too far apart.
5. As the work in Green Creek is additional to that called for by the instructions, the work may be considered adequate and no further surveying is needed in the area covered by the survey.
6. The junctions with the adjacent sheets by the same party are satisfactory.
7. The usual field work was completed by the field party, and none of it had to be done over by the office draftsman.
8. The character and scope of the surveying and field drafting are excellent.
9. Reviewed by E. P. Ellis, May, 1921 and two copies of this report to be sent to Hydrography and Topography Division.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey:

Register No. 4146 Field Number 3

State North Carolina

General locality . . . Neuse River

Locality Oriental Harbor and entrance and Green Cr.

Chief of party . . . J.H.Hawley

Surveyed by . F.E.Okeson, J.H.Hawley

Date of survey . . . June 23 to October 22, 1920

Scale 1 : 5,000

Soundings in . . . feet

Plane of reference . . Mean sea level - 0.5 foot

Protracted by B.H.Rigg . Soundings in pencil by J. H. H.

Inked by J. D. Torrey . . Verified by J. D. Torrey

Records accompanying sheet (check those forwarded):

Des. report, Tide books, Marigrams, 2 Boat sheets,

1 Sounding books, Wire-drag books, Photographs.

Data from other sources affecting sheet

Remarks: