

3823

FEB 24 1921  
Acc. No.

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

State: *North Carolina*

11-5813

DESCRIPTIVE REPORT.

*Topo* Sheet No. *3823*

LOCALITY:

*Neuse River -*  
*Man Pt to Oriental*  
*and Cedar Pt.*

*1920*

CHIEF OF PARTY:

*J. H. Hawley*

3823

DESCRIPTIVE REPORT  
to accompany  
Topographic Sheet No. 2 (field number)

This sheet shows the revision of shoreline of the Neuse River from Cedar Point to Piney Point, including northern part of South River, with sub-plan showing revision from Piney Point to Maw Point, made in accordance with instructions dated January 23, 1920. The projection has the same limits as the original sheet.

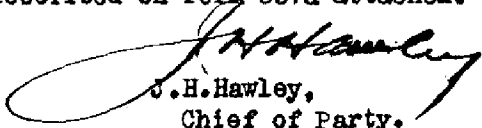
This revision work was well controlled by triangulation. The shore line was transferred in pencil from the original sheet and the topographer was supplied with a bromide copy of the original sheet in order that any changes in detail might be noted and shown on the new sheet.

No important changes in detail were noted and changes in shoreline were usually so slight or of such nature that it was impossible to tell in the field whether the greater part of the difference was due to actual change in the shoreline or to distortion in the original sheet. In South River a considerable change was noted not so much in the shoreline as in the orientation of the river.

Control was carried into South River and Broad Creek by plane table triangulation. In South River small pole signals were erected on the various points, after which the plane table was set up on the beacon at the entrance to the river and cuts taken to all signals that were visible from the station. Signals A and Ale were then located from the beacon by cut and distance after which the table was set up over A, oriented on the beacon, and the distance checked by resecting on station Dead 2. From signal A cuts were taken to signals C and D. The table was then set up over C and the location of this signal from the beacon and signal A was checked by resecting on signal Ale. A cut to signal D from this station checked the location of D from the other signals. The triangulation was carried in this manner to the southern end of the work and the intersections at all stations were excellent. It is therefore believed that there is no chance for error in orientation in this survey.

The shoreline shown on this sheet was completely covered by topographic traverse. Small signals were established at intervals of about 400 meters along the shore for control of inshore hydrography. These signals are not permanent.

There are no prominent objects within the limits covered by this sheet that are not located by triangulation. There is however a prominent clump of woods shown on the sheet at Piney Point that should be shown on the chart as the surrounding country is all low and swampy. Two prominent sand dunes were also described on form 537a attached.

  
J. H. Hawley,  
Chief of Party.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

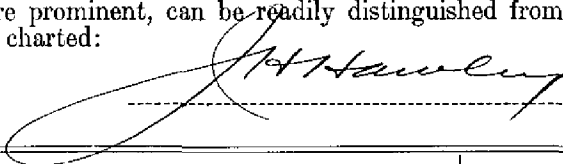
LANDMARKS FOR CHARTS

Str. ONWARD, Washington, D.C.

December 17, 1920., 19

SUPERINTENDENT, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

  
Chief of Party.

| DESCRIPTION.  | POSITION. |               |            |               |        | Method of determination. | Charts affected. |
|---|-----------|---------------|------------|---------------|--------|--------------------------|------------------|
|   | Latitude. |               | Longitude. |               | Datum. |                          |                  |
|   | '         | D. M. meters. | '          | D. P. meters. |        |                          |                  |
| Sand dune; 0 "Gay" on topo. sheet No. 2   | 34        | 59 495        | 76         | 37 170        |        | topog.                   | 1231             |
| Sand dune; 0 "And" on topo. sheet No. 2   | 34        | 59 140        | 76         | 36 925        |        | "                        | 1231             |
| <p>The above sand dunes are formed by the end of sharp ridges extending to the shore. These ridges form the only elevated land in this region. The ends of the ridges are white sand, triangular in shape, about 20 feet high, with peaks sharp enough for hydrographic use. On account of the unusual formation for this region, the sand peaks show up very well and are especially prominent in the morning when the sun is to the eastward.</p> |           |               |            |               |        |                          |                  |

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.  
The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

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

AND REFER TO NO.

4-1551

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

SECTION OF FIELD RECORDS.

REPORT ON TOPOGRAPHIC SHEET No. 3823.

Surveyed in 1920.

Chief of Party: J. H. Hawley.

Surveyed by J. W. Cox, B. H. Rigg  
and W. Malnate.

Inked by J. W. Cox and B. H. Rigg.

1. The plan and character of this survey fulfill the requirements of the General Instructions.
2. The plan and extent satisfy the specific instructions.
3. See review of topographic sheet 3822 for discrepancy in overlap with that sheet.
4. The surveying and field drafting are good.
5. Reviewed by E. P. Ellis, May, 1921.
6. Two copies of this report to be sent to Division of Hydrography and Topography.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic 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. 3823 Field No. 2.

State . . . . . North Carolina . . . . .

General locality . Neuse River . . . . .

Locality . ~~Cedar Point to Piney Point~~ Marv Pt. to Oriental and Cedar Pt.

Chief of party . . . J.H.Hawley . . . . .

Surveyed by J.W.Cox, B.H.Rigg, Wm. Malnate . . . . .

Date of survey . . . May to September, 1920. . . . . .

Scale . . . . . 1 : 20,000 . . . . .

Heights in feet above . . . . .

Contour interval . . . . . feet.

Inked by J.W.C., B.H.R. Lettered by . . B.H.Rigg . . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet . . . . .

Remarks:

Shoreline revision.