

4279

C. & G. SURVEY
L. & A
OCT 15 1927
Acc. No.

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

State: North Carolina.

11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. "C" 4279

LOCALITY:

New Topsail Inlet to New River Inlet.

1926

CHIEF OF PARTY:

K. T. ADAMS.

4279

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. ^c 4279

4279

State . . . NORTH CAROLINA.

General locality . . COAST of NORTH CAROLINA.

Locality NEW TOPSAIL INLET to NEW RIVER INLET. . .

Chief of party . . . K. T. ADAMS.

Surveyed by HARRY K. HILTON.

Date of survey . . . DECEMBER 1, 1926 to DECEMBER 9, 1926. . .

Scale 1:20,000.

Heights in feet above

Contour interval feet.

Inked by Harry K. Hilton, Lettered by . Harry K. Hilton. . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, ☒ Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks:

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET

No. C 4279
SCALE - - - - - 1:20,000
COAST OF NORTH CAROLINA.

NEW TOPSAIL INLET TO NEW RIVER INLET

SURVEYED DECEMBER 1, 1926 to DECEMBER 9, 1926.

K. T. Adams, H. & G. Engineer, Chief of Party.
H. K. Hilton, Aid, Topographer.

Limits:

The work on this sheet covers the ocean beach from 1/2 mile north of New Topsail Inlet to Δ "Wreck", 2 miles south of New River Inlet.



Control:

The control consisted of various triangulation stations along the beach established by R. P. Strough in 1914.

The traverse system of survey was used throughout. Considerable difficulty was encountered in not being able to recover several of these stations and rather long traverses were necessary as a consequence. However, all errors of closures were within the allowable limits and careful adjustment was made.

Closures were as follows:---

| From Δ | To Δ | Closure |
|-----------------------|-------------|-----------|
| Wreck, | Log, | 7 meters. |
| Log, | Mush | 4 " |
| Mush | Crab | 0 " |
| Roger (Not recovered) | | |
| Rough " " | | |
| Stump " " | | |
| Spy; " " | | |

| From  | To  | Closure |
|--|--|------------|
| Crab | Horseshoe | 35 meters. |
| Ganat (Not recovered.) | | |
| Bluff " " | | |
| Bee " " | | |
| Bumble " " | | |
| Oak " " | | |
| Blake " " | | |
| Horseshoe | Porpoise | 28 meters. |

No attempt was made to recover ~~A~~s Bluff, Bee, Bumble, Oak or Blake. As these stations are located on the sound behind a dense woods, it would have been necessary to cut lines through these woods from the beach in order to recover them.

Signals:

The small signals for launch hydrography were built by the party during the progress of the work. These consisted of a five foot cross banner on a 2" x 2" center pole securely guyed. All the topographic signals were of this type with the following exceptions:

○'s Serv, Less, Sail were 75 feet signals for offshore hydrography and
○'s Zero, Fire were twenty feet tripod signals for the same work. All signals were rodded in.

Changes in Shore Line: Several changes in shore line can be noted.

What is shown on the most recent charts as Sidbury Inlet is now completely filled in.

A new inlet has broken thru between Old Topsail and New Topsail, Inlets as shown.

The soil is loose sand and easily eroded.

Description of Locality:

The general description of this locality follows that of all of

this coast; a wide, flat, straight beach with low sand dunes rising abruptly at high water line and behind these dunes about a mile of low marshy land, cut up with sloughs and creeks, extends back to the mainland.


All work was done from a camp located at RAR Station "WSP" at New River Inlet.

There are practically no dwellings or settlements along this entire stretch of beach.

Respectfully submitted,


H. K. Hilton, Aid.
U.S.C. & G. Survey.

Approved:


K. T. Adams,
H. & G. Engineer,
U.S.C. & G. Survey,
Chief of Party.

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General locality . COAST OF NORTH CAROLINA.

Locality S. of New River Inlet to New Topsail Inlet
~~NEW TOPSAIL INLET to NEW RIVER INLET.~~

Chief of party . . K. T. ADAMS.

Surveyed by . . . HARRY K. HILTON.

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Remarks:

Sydney