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Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: <u>SOUTH CAROLINA</u>
11-5013
DESCRIPTIVE REPORT.
Topographic Sheet No. <u>4198</u>
LOCALITY:
<del>East Coast of South Carolina.</del>
Floral Beach to North Inlet
<del>Five and one half miles south of</del>
<del>Myrtle Beach to North Inlet.</del>
1926
CHIEF OF PARTY:
<u>K. T. ADAMS.</u>

DESCRIPTIVE REPORT:  
To Accompany Topographic Sheet  
No. \_\_\_\_\_  
Scale 1:20,000  
East Coast of South Carolina.  
Five and one half miles south of Myrtle Beach to  
North Inlet.

Surveyed February to July 1926.

K.T.Adams, H. & G. Engineer, Chief of Party.  
E.O.Heaton, Jr. H. & G. Engineer, Topographer.

LIMITS:

The work on this sheet covers the ocean beach from  $\triangle$  DICK, a traverse station 5 1/2 miles south of Myrtle Beach to North Inlet, (about 1/2 mile south of  $\triangle$  JOE.)

CONTROL:

The control for this work consists of main scheme stations of first order traverse established by the Coast & Geodetic Survey in 1924 and 1925 and supplemental stations established by shore parties of the Lydonia.

The plane table traverse method was used for all work on this sheet and all loops were closed between consecutive first order traverse control points.

High water line was rodded in and whenever possible rod readings were taken for the location of the low water line. Whenever the tide was high the low water line was necessarily estimated and sketched in.

Most of the small signals built for inshore launch hydrographic work were put up in advance of the topographic work, although some points were marked by the topographer, and the signals built by a party immediately following him.

These signals were usually built by two men and consisted of cross or skew banners of white cloth placed on poles and guyed in place by three

guy wires. All lumber used in construction of these signals was found along the beach.

#### TRAVERSE CLOSURES:

The traverse along the ocean beach between  $\triangle$  Dick and  $\triangle$  Roch, a distance of 3.4 statute miles closed with a discrepancy of 13 meters.

The section from  $\triangle$  Roch to  $\triangle$  Murtle (Mur), a distance of 5.3 statute miles closed to 20 meters.

The section from  $\triangle$  Murtle (Mur) to  $\triangle$  Tom, a distance of 2.7 statute miles closed to 8 meters.

The section from  $\triangle$  Tom to  $\triangle$  Dan, a distance of 4.8 statute miles closed to 0 meters.

The section from  $\triangle$  Dan to  $\triangle$  Vast, a distance of 2.5 statute miles closed to 15 meters.

The section from  $\triangle$  Vast to  $\triangle$  Joe, a distance of 5.3 statute miles closed to 25 meters.

#### GENERAL DESCRIPTION OF LOCALITY:

The area between the ocean and the timber line is in general composed of both small and large sand dunes covered with a rank growth of grass, level sandy stretches covered with grass and broken up by swashes, sloughs, etc., on each side of which is marsh and swamp grass.

The timber which is found bordering on this stretch of beach is composed of pines, gums and miscellaneous broad leaved trees.

There are three small summer resort settlements along this section of the beach, namely: Floral Beach, (locally known as Roch's Beach), Murrell's Inlet and Pawley's Island.

#### GEOGRAPHIC NAMES:

Floral Beach which has been known locally as Roch's Beach is now being developed and will be known as Floral Beach in the future.

Murrell's Inlet is a large inlet at the town of Murrell's Inlet.

The name is so indicated on all charts and maps.

Midway Inlet is a large inlet at the north end of Pawley's Island.

This is so indicated on all charts and maps.

Pawley's Island is a small island and summer resort town. It is so called locally and indicated on all charts and maps.

Pawley's Inlet or Butler's Inlet is located at the south end of Pawley's Island.

Magnolia Beach is that section of ocean beach extending between Murrell's and Midway Inlets. This name was taken from C. & G.S. chart 1110.

#### PROGRESS:

Work was begun on February 18th and completed on July 14. All work on this sheet with the exception of two days' time was carried on by a party which was landed by small boats from the Lydonia. This was done at times when it was convenient for the ship to land parties and was therefore extended over a long period of time.

#### STATISTICS:

Statute miles of high water line	25.8
Statute miles of low water line	25.8
Area square statute miles	8.6
Working days	7.0
Men on party	6
Transportation	Ford truck and small boats.

#### LIST OF RECOVERABLE PLANE TABLE POSITIONS:

Name	Lat. Dm	Long. Dp	Remarks.
Shingle	33-37 198 M	78-57 898 M	See Description.
Red	33-36 662	78-58 493 M	" " " "
Open	33-36 544	78-58 529 M	" " " "

Name	Lat.	Dm	Long.	Dp	Remarks.
Whi	33-33	501	79-02	212 M	See Description.
Murrell's Inlet Tide Gauge. { B.M. #1	33-32	907	79-01	948 M	" " " "
{ B.M. #2	33-32	837	79-01	969 M	" " " "
{ B.M. #3	33-32	773	79-01	1086 M	" " " "
Ye	32-26	467 M	79-07	15 M	" " " "
Pol	32-25	268 M	79-07	1006	" " " "
La	32-24	1567M	79-07	1274 M	" " " "
Ti	32-22	1161M	79-09	116 M	" " " "

Respectfully Submitted,

*E. O. Heaton*

E. O. Heaton,  
Jr. H. & G. Engineer,  
C. & G. Survey.

Approved:

*K. T. Adams*

K. T. Adams,  
H. & G. Engineer,  
C. & G. Survey.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

4198

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. 4198

State . . . . . South Carolina.

General locality . East Coast of South Carolina.

Locality . . . . . Floral Beach to North Inlet. ✓

Chief of party . . K. T. Adams.

Surveyed by . . . E. O. Heaton.

Date of survey . . February to July, 1926

Scale . . . . . 1:20,000

Heights in feet above . . . . .

Contour interval . . . . . feet.

Inked by E. O. Heaton. Lettered by . . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet Description of Stations.

Remarks: