DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

State: SOUTH CAROLINA

DESCRIPTIVE REPORT.
Topographic Sheet No. 4198

LOCALITY:
East Coast of South Carolina
Floral Beach to North Inlet
Five and one half miles south of
Myrtle Beach to North Inlet

1926

CHIEF OF PARTY:
K. T. ADAMS
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 1925.

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 shore 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 staked 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 ∆ Dick and ∆ Roch,
a distance of 3.4 statute miles closed with a discrepancy of 13 meters.
The section from ∆ Roch to ∆ Murtle (Mur), a distance of 5.3
statute miles closed to 20 meters.
The section from ∆ Murtle (Mur) to ∆ Tom, a distance of 2.7 statute
miles closed to 8 meters.
The section from ∆ Tom to ∆ Dan, a distance of 4.6 statute miles
closed to 0 meters.
The section from ∆ Dan to ∆ Vast, a distance of 2.5 statute
miles closed to 15 meters.
The section from ∆ Vast to ∆ 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 com-
posed 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 com-
posed 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 be-
ing 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.
3.

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 16th and completed on July 4th. 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 5
Transportation Ford truck and small boats.

LIST OF RECOVERABLE PLANE TABLE POSITIONS:

<table>
<thead>
<tr>
<th>Name</th>
<th>Lat.</th>
<th>Long.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shingle</td>
<td>33-37</td>
<td>198 M</td>
<td>78-57 899 M</td>
</tr>
<tr>
<td>Red</td>
<td>33-36</td>
<td>662</td>
<td>78-58 493 M</td>
</tr>
<tr>
<td>Open</td>
<td>33-36</td>
<td>544</td>
<td>78-58 529 M</td>
</tr>
<tr>
<td>Name</td>
<td>Lat. Dm</td>
<td>Long. Dp</td>
<td>Remarks</td>
</tr>
<tr>
<td>------</td>
<td>---------</td>
<td>----------</td>
<td>---------</td>
</tr>
<tr>
<td>Whl</td>
<td>33-33 501</td>
<td>79-02 212 M</td>
<td>See Description.</td>
</tr>
</tbody>
</table>

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: 32-25 467 M 79-07 15 M " " " "
- Pol: 32-25 268 M 79-07 1006 " " " "
- La: 32-24 1567 M 79-07 1274 M " " " "
- Ti: 32-22 116 M 79-09 116 M " " " "

Respectfully Submitted,

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

Approved:

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