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Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: <u>South Carolina</u>
11-5613
DESCRIPTIVE REPORT.
Topographic Sheet No. <u>4197</u>
LOCALITY:
<u>East Coast of South Carolina</u>
<u>White Point Swash to</u>
<u>Nine miles North of Myrtle Beach to</u>
<u>Floral Beach</u>
<u>five and one half South of Myrtle</u>
<u>Beach.</u>
<u>1926</u>
CHIEF OF PARTY:
<u>K. T. Adams.</u>

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET

NO. -----

SCALE 1 : 20,000

East Coast of South Carolina.

Nine miles North of Myrtle Beach to five and one-half miles South of Myrtle Beach.

SURVEYED FEBRUARY 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 a point 9 miles north of Myrtle Beach (2 miles north of Δ Kettle) to Δ Dick 5 $\frac{1}{2}$ miles south of Myrtle Beach.

CONTROL:

The control consists of main scheme stations of precise traverse established by the Coast & Geodetic Survey in 1923, and supplemental triangulation and traverse stations established by shore parties from the Lydonia.

METHOD:

The plane table traverse method was used on the entire sheet, and the loops were closed between consecutive precise ^{traverse} control points.

Small signals built for inshore hydrographic work were put up in advance of the plane table work, and were located by rod readings with check readings, or by three intersections.

High water line was rodged in and whenever possible the low water line was also determined by rod readings. When the tide was high, it was necessary to estimate, and sketch the low water line.

Most of the signals on this sheet were erected by the topographic party, and consisted of cross, or skew banners of white cloth, placed on poles, guyed in place. All wood for this purpose was found along the beach.

TRAVERSE CLOSURES:

The traverse along the beach between Δ Wind and Δ Kettle, a distance of 4 statute miles, closed to 10 meters.

The traverse from Δ Kettle to Δ A2, a distance of 2 statute miles, closed to 9 meters.

The traverse from Δ A2 to Δ Cane, a distance of 1.7 statute

(2)

miles, closed to 10 meters.

The traverse from Δ Cane to Δ Myrtle, a distance of 4 statute miles closed to 8 meters.

The traverse from Δ Myrtle to Δ Dick, a distance of 4.6 statute miles, closed to 15 meters.

All of the above stated discrepancies were adjusted and distributed proportionally between control stations.

GENERAL DESCRIPTION OF LOCALITY:

The area between the ocean and the timber line is in general composed of small sand dunes, covered with a rank growth of grass, level sandy stretches, covered with grass and swashes, sloughs, etc., with marsh and swamp grass on either side of them.

The timber in the woods behind the timber line is composed of pines, gums and miscellaneous broad leaved trees.

The only settlement or village on this sheet, is Myrtle Beach, strictly a summer resort town, with a hotel, dancing pavilion and many cottages.

GEOGRAPHIC NAMES:

Singleton Swash is a large swash about 6 miles north of Myrtle Beach. This name was taken from a Coast & Geodetic Survey chart.

Deephead Swash is a large swash 3 miles north of Myrtle Beach. This name was obtained from Myrtle Beach Farms Company.

Withers Swash is a large swash about 1-1/4 miles south of Myrtle Beach. Name was obtained from Myrtle Beach Farms Company.

Dick Pond is about 5-1/2 miles south of Myrtle Beach. Name was obtained from Myrtle Beach Farms Company.

Myrtle Beach is so indicated on all maps.

PROGRESS:

PROGRESS:

Work was begun on February 9, and completed on February 17.

STATISTICS:

Statute miles of high water line	14.5
Statute miles of low water line	14.5
Area square statute miles	3
Working days	7
Men on party	5
Transportation	Ford car

LIST OF RECOVERABLE PLANE TABLE POSITIONS:

NAME	LAT.	DL	LONG.	DP	REMARKS
Black	33-45	1077M	78-47	557M	See description
Green	33-42	504M	78-51	1409M	" " "
Strand	33-41	1812M	78-52	424M	" " "
White	33-40	1657M	78-53	616M	" " "
Gray	33-39	1101M	78-54	1487M	" " "

Respectfully submitted

E. O. Heaton

E. O. Heaton, Jr. H. & G. Engr. C. & G. S.

Approved:

K. T. Adams
K. T. Adams, H. & G. Engr.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

4197

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. **4197**

State : **South Carolina.**
General locality . . . ~~East Coast of South Carolina.~~
Locality . ~~Myrtle Beach~~ **White Point Swash to Floral Beach**
Chief of party **K. T. Adams**
Surveyed by **E. O. Heaton**
Date of survey . . **February 9th to February 17th, 1926**
Scale . . **1 : 20,000**
Heights in feet above
Contour interval feet.
Inked by **E. O. Heaton** . Lettered by **E. O. Heaton**
Records accompanying sheet (check those forwarded): Photographs,
Descriptive report, Horizontal angle books, Field computations,
Data from other sources affecting sheet

Remarks: **Description of Stations.**