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Form 501 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY State: NORTH & SOUTH CAROLINA <small>11-5513</small>
DESCRIPTIVE REPORT. TOPOGRAPHIC Sheet No. 4196
LOCALITY: * EAST COAST OF NORTH AND SOUTH CAROLINA ; MAD INLET TO WHITE POINT SWASH
1925-'26 CHIEF OF PARTY: F. G. ENGLE AND K. T. ADAMS.

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET

NO _____

SCALE: - - - - - 1:20,000

EAST COAST OF NORTH AND SOUTH CAROLINA

MAD INLET TO WHITE POINT SWASH

SURVEYED: November 1925 to February 1926.

F. G. ENGLE, H. & G. ENGINEER, CHIEF OF PARTY TO NOVEMBER 30, 1925
K. T. ADAMS, H. & G. ENGINEER, CHIEF OF PARTY FROM DECEMBER 1, 1925.
H. C. WARWICK, Jr. H. & G. Engineer, Topographer.

LIMITS:

The work on this sheet covers the ocean beach from Mad Inlet to 1/2 mile Southwest of White Point Swash, and all inlets and swashes along the beach including Little River Inlet and both shores of Little River 1 1/2 miles above the inlet.

CONTROL:

The control consisted of various traverse stations along the beach, located by the party of L. P. Raynor in 1923. In addition to this control, two additional stations located by this present party by traverse, were used.

METHOD:

The traverse method of survey was employed throughout, traversing between control points.

The small signals erected for inshore (launch) hydrographic purposes were built by the topographic party and located by rod readings, check rod readings or three or more cuts with the alidade.

The high water line was rodded in where shown by full lines on the sheet, and sketched where shown by broken lines.

The low water line was rodded when practicable, at other times it was estimated and sketched. The tree line was sketched in and the approximate location of it was obtained by taking cuts to prominent trees or other objects on the tree line. The various sloughs and sounds shown by broken lines on the sheet were sketched in and are shown merely to indicate the channels. There is an inside channel running from Cherry Grove Inlet to Mad Inlet and small craft can use this channel at highest tides. All through the marshy area shown, sloughs run in all directions which are not shown on the sheet.

TRAVERSE CLOSURES:

The traverse closures were comparatively small and well within the allowable limits.

The traverse from \triangle Mad to \triangle Hog a distance of 4.2 miles closed to 30 meters.

From \triangle Hog to \triangle Nixon, closure zero.

From \triangle Nixon to \triangle Nixon A, closure zero.

From \triangle Nixon A to \triangle Grove, distance of 3.9 miles closure 8 meters.

From \triangle Grove to \triangle Grove A, closure zero.

From \triangle Grove A, to \triangle Kettle, (station Kettle is located on the adjoining sheet to the Southwest) a distance of 4.1 miles, closure 10 meters.

GENERAL DESCRIPTION OF LOCALITY:

The ocean beach from Mad Inlet to Cherry Grove Inlet consists of three long narrow sand islands. These islands are covered with sand dunes and a rank growth of grass. The islands are very sparsely populated, only small fishing camps at intervals. The beach is sand and quite wide at low water. Back of these sand islands is a quite vast expanse of marsh, and sloughs from one half mile to a mile and a half wide, ending at the tree line. The fast shore line begins at the tree line with quite a high bank.

Little River is marked at the entrance by a sea buoy and four nun buoys. This stream is navigable for small craft up to about six miles to the landing for the town of Little River.

From Cherry Grove Inlet Southwest to the limit of the sheet the coast line has a slight curved trend. The tree line is much nearer the beach and in places is only a little more than a hundred meters from the high water line. The sand dunes extend to the tree line and there are no sloughs nor any marsh land with the exception of White Point Swash which has a small stream running from it parallel to the beach to a small pond near Windy Hill, upon which the station Wind is located.

Mad Inlet, Hog Inlet, and Cherry Grove Inlet are not marked, and are very small, narrow and crooked channels. They are navigable for small craft of very light draft in calm weather and at high or half tide.

LAND MARKS:

Bald Beach, a sand dune about 40 feet high, upon which \triangle Mad is located.

\odot Futch, a quite prominent white chimney in the center of a house on a high promontory near the tree line.

Windy Hill is on a sand dune about 60 feet high upon which \triangle Wind is located.

GEOGRAPHIC NAMES:

The following names do not appear on the chart and were ascertained from local residents:-

East River	(stream)
Bald Beach	(point)

Dunn Sound (sound)
Futch Beach (sand beach, island)
Cherry Grove Beach (settlement)

PROGRESS:

Work was begun in November 1925 and ended in February 1926.
The work was not continuous.

STATISTICS:

Statute miles of high water line surveyed: 23.0
Statute miles of low water line surveyed: 25.2
Area square statute miles 9.0
Working days: 6.0
Men on party: 3
Transportation: Motor sailer to run from town of Little
River to Little River Inlet: 4.5 days
Dinghy to land from ship, and mule and wagon 1.0 day
Ford Car: 0.5 "

LIST of recoverable Plane Table Positions

NAME	LAT.	D.M.	LONG.	D.P.	REMARKS
BM 1	33-51	700	78-32	1392	(See description in level
BM 2	33-51	762	78-32	1350	---(record for tide gauge at
BM 3	33-51	600	78-32	1170	(Little River.
FUTCH	33-50	1317	78-37	424	(White chimney center of (house near tree line.

Respectfully Submitted

H. C. Warwick
H. C. Warwick, Jr. H. & G. Engr.,
C. & G. Survey.

Approved:

K. T. Adams
K. T. Adams, H. & G. Engr.,
C. & G. S., Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

4196

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. 4196

State ~~NORTH CAROLINA AND SOUTH CAROLINA~~ ✓

General locality EAST COAST ✓

Locality MAD INLET TO WHITE POINT SWASH ✓

Chief of party F. G. ENGLE AND K. T. ADAMS,

Surveyed by H. C. WARWICK,

Date of survey NOVEMBER 1925 to FEBRUARY 1926.

Scale 1:20,000

Heights in feet above

Contour interval feet.

Inked by H. C. WARWICK. Lettered by . . H. C. WARWICK . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet RECOVERY NOTES . .

Remarks:

△ NIXON No. 2 (Hydrographic name @ Two) was rodded in during the progress of the survey. No geographic position of this station was at hand by this party. The position on the sheet is topographic location.

Descriptions of new traverse stations recently located accompany traverse and triangulation data previously transmitted.