

10300

Diag. Cht. No. 1240-2.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-154 Office No. T-10300

LOCALITY

State South Carolina

General locality Coosaw River

Locality Coosaw Island

19 55

CHIEF OF PARTY

J.E.Waugh, Photogrammetric Party 1
W.F.Deane, Baltimore District Officer

LIBRARY & ARCHIVES

DATE September 1961

USCOM-DC 5087

10300

DATA RECORD

T- 10300

Project No. (II): ~~6154~~ **Ph-154** Quadrangle Name (IV):
 Field Office (II): **Burton, S. C.** Chief of Party: **J. E. Waugh**
 Photogrammetric Office (III): **Baltimore, Md.** Officer-in-Charge: **William F. Deane**
 Instructions dated (II) (III): **16 August 1955 (Field and Office)** Copy filed in Division of
 Photogrammetry (IV)

Method of Compilation (III): **Graphic**

Manuscript Scale (III): **1:10,000**

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): **1.000**

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): **19 Feb 1960**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **NA 1927**

Vertical Datum (III): **M.H.W.**

Mean sea level except as follows:
 Elevations shown as (25) refer to mean high water
 Elevations shown as (5) refer to sounding datum
 i.e., mean low water or mean lower low water

Reference Station (III): **LOVE, 1933**

Lat.: **32° 28' 01.726" (53.2 m)**

Long.: **80° 35' 01.224 (32.0 m)**

Adjusted
~~Horizontal~~

Plane Coordinates (IV):

State: **S. Carolina**

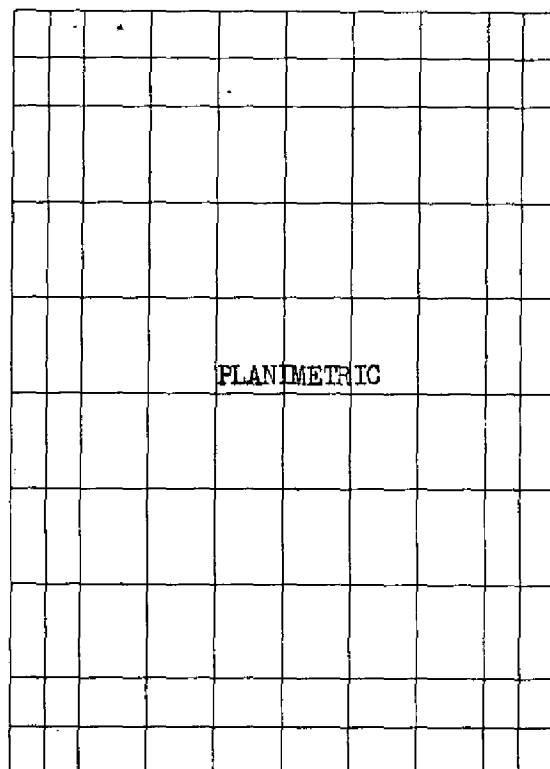
Zone: **South**

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
 or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.



Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II): L. F. Beugnet
J. L. Mann

Date: Sept. 1955
Sept. 1955

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location):

Projection and Grids ruled by (IV): A. Riley

Date: 10/7/55

Projection and Grids checked by (IV): A. Riley

Date: 10/7/55

Control plotted by (III): J. C. Cregan

Date: 10/17/55

Control checked by (III): A. Queen

Date: 11/16/55

Radial Plot ~~on Stereoscopic~~

Date: 1/4/56

~~Control checked by (III):~~ B. F. Lampton

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J. Council

Date: 9/29/58

Photogrammetric Office Review by (III): R. Glaser

Date: 10/14/58

Elevations on Manuscript
checked by (II) (III):

Date:

Camera (kind or source) (III): C. & G. S. Nine-lens

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
49,445 & 6	3/23/55	1608	1:10,000	1.0'
49,482	3/24/55	0934	"	6.8'
49,493 & 4	3/24/55	0934	"	7.0'

Tide (III)
From Predicted Tables

Reference Station: Savannah River Entrance
Subordinate Station: Lucy Pt. Creek Ent.
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	6.9	8.1
	6.8	8.0

Washington Office Review by (IV):

A. K. Heywood

Date: 2/3/60

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): -11

Shoreline (More than 200 meters to opposite shore) (III): 16

Shoreline (Less than 200 meters to opposite shore) (III): 13

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 5 Recovered: 5 Identified: 5

Number of BMs searched for (II): 3 Recovered: 3 Identified: 1

Number of Recoverable Photo Stations established (III): None

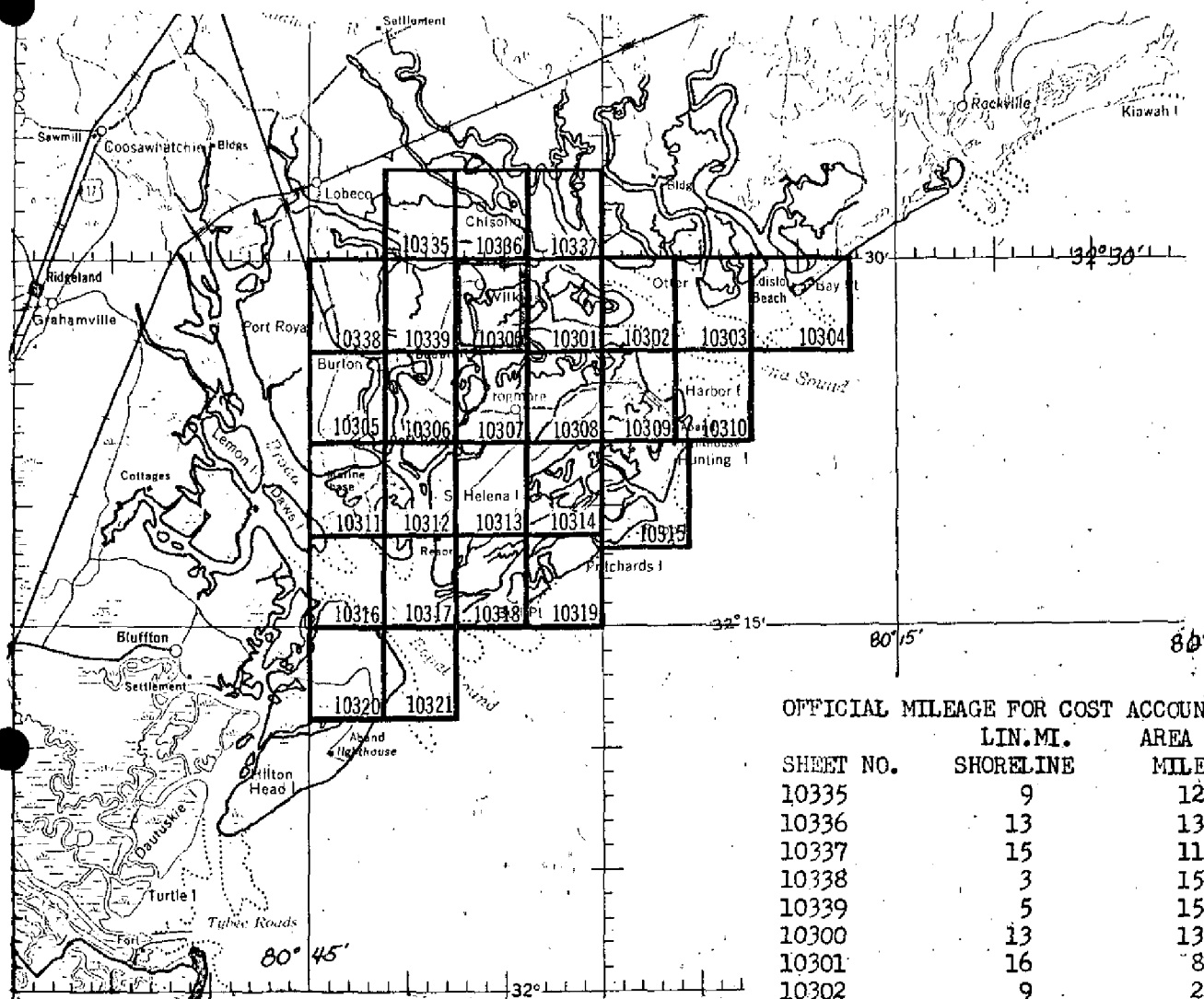
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

SHORELINE MAPPING PROJECT 6154

ST. HELENA SOUND TO PORT ROYAL SOUND; S. CAROLINA

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OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.	LIN. MI. SHORELINE	AREA SQ. MILES
10335	9	12
10336	13	13
10337	15	11
10338	3	15
10339	5	15
10300	13	13
10301	16	8
10302	9	2
10303	9	3
10304	7	3
10305	6	15
10306	13	13
10307	8	14
10308	3	15
10309	13	11
10310	3	1
10311	9	12
10312	16	12
10313	6	15
10314	13	13
10315	13	8
10316	9	2
10317	8	4
10318	13	9
10319	9	4
10320	4	15
10321	5	1

TOTALS 250

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FIELD INSPECTION REPORT
Project 6154

Maps
T-10300, T-10301,
T-10336, T-10337

2. AREAL FIELD INSPECTION

The area comprising these maps lies west and north of St. Helena Sound. Portions of Morgan Island, Chisolm Islands, Ladies Island, Datha Island, St. Helena Island, and all of Coosaw and Judge Islands fall within the limits of these sheets. The principal rivers within the area are: Coosaw River, Morgan River, Combahee River, and Bull River. The Combahee River divides Beaufort and Colleton Counties.

The area which lies east of Map T-10337 is a part of Topographic Mapping Project 6081 (Quadrangle T-11123). This quadrangle was completed in 1955 by this party, and in many cases horizontal control data overlapped the area which is now a part of Project 6154. Field work was not duplicated during the course of operations for this project.

The Intracoastal Waterway follows the Coosaw River across these four maps.

The majority of the area consists of tidal marshes. The mainland portions of land are sparsely settled. Truck farming and fishing are the chief occupations.

The quality of the nine-lens photographs, as a whole, was very good. The photographs were flown at or near the time of low water, which enabled the field inspector to delineate many of the offshore features.

In general, there are three distinct photographic tones in the tidal marshes. The very dark tones are marsh. The white tones are sand and/or oyster shells. The tones which are light gray are mud.

Swamp limits and inshore limits of marsh have been outlined on the photographs in red.

Field inspection notes appear on 1:10,000 scale, nine-lens photographs Nos.:

49396, 49397, 49398, 49445, 49446, 49447,
49448, 49449, 49479, 49480, 49481, 49482,
49483, 49484, 49528, 49529 and 49530

3. HORIZONTAL CONTROL

One fixed aid (ASHEPOO-COOSAW CUT-OFF LIGHT 184, 1955) was located by triangulation and identified. This light is located near triangulation station TRY, 1934, which was not recovered. (See Special Control Diagram for this project, as revised 9 August 1955, concerning station TRY, 1934.)

Two new triangulation stations were established: HANGMAN 3, 1955 in Map T-10337; and BUZZ 2, 1955 in Map T-10336. HANGMAN 2, 1933 is in danger of being destroyed. A new station was set nearby. The old station HANGMAN 2, 1933, was not destroyed or altered in any way, the sub-surface mark being left in place. Triangulation station HORSE, 1933 is in immediate danger of being destroyed. It was impracticable to establish HORSE 2. The entire area in and around HORSE is a borrow pit. Station BUZZ 2, 1955 was established in the same vicinity across Bull River from HORSE.

Triangulation stations in the northern portions of Maps T-10336 and T-10337, which were identified and reported on in connection with Topographic Mapping Project 6081 (Quadrangle T-11123), were not re-identified and in most cases a new recovery note was not written. (For data concerning this area, see Field Inspection Report for Quadrangle T-11123.)

Triangulation station TAR, 1934, which is located north of Map T-10336, was not searched for. There was no photographic coverage for this station.

Triangulation station WIGGINS, 1932 was recovered and identified for Project 6081.

Two South Carolina Geodetic Survey stations were searched for and reported on Form 526 (BF 819 and BF 820 in Map T-10336).

The following stations are reported as lost:

<u>T-10336</u>	<u>T-10337</u>
BUZZ, 1933	ABE, 1934
FIELD, 1934	BUG, 1934
ONE, 1933	RED BEACON, 1933

4. VERTICAL CONTROL

All tidal bench marks, within the area of these maps, were searched for and reported on Form 685.

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5. CONTOURS AND DRAINAGE

Contouring is inapplicable to this project.

Drainage for the area is, in most cases, tidal, except for a few ditches which drain swamp, marsh and cultivated land.

6. WOODLAND COVER

The woodland cover has been classified in accordance with requirements for topographic maps, reference 5433, Topographic Manual, Part II.

7. SHORELINE AND ALONGSHORE FEATURES

The majority of the shoreline is apparent. The mean high-water line has been visually inspected from a skiff. It has been symbolized in accordance with the Topographic Manual.

An approximate low-water line has been shown in numerous areas along the tidal marshes. The limits of shoal and shallow areas have been indicated in many cases.

There are no bluffs or cliffs of landmark value with the area.

There are no submarine cables within the limits of these maps.

8. OFFSHORE FEATURES

The foreshore of the Combahee, Bull, Morgan and Coosaw Rivers is generally mud. There are a few places where it is sand, mud, and/or shell.

The mean low-water line has been shown with an approximate symbol. It was located by visual inspection at or near the time of low-water.

There are two foul areas consisting of piling of piers which are now in ruins. They are noted on the field inspection photographs.

9. LANDMARKS AND AIDS

There are no nautical, aeronautical or interior landmarks recommended within the limits of these maps.

All fixed aids to navigation were located by one of three methods as follows:

Third-order triangulation (See paragraph 3):

ASHEPOO-COOSAW CUT-OFF LIGHT 184

Direct identification for photogrammetric location:

Coosaw River Light 187
Coosaw River Light 189
Coosaw River Light 194
Sams Point Daybeacon

Directions observed with theodolite at triangulation stations for graphic plotting:

Parrot Creek Daybeacon 1
Parrot Creek Daybeacon 2
Bull Spit Daybeacon
Coosaw River Daybeacon 190
Coosaw River Light 191
Coosaw River Daybeacon 196

10. BOUNDARIES, MONUMENTS AND LINES

The county line dividing Beaufort and Colleton Counties affects Maps T-10301 and T-10337. This boundary has been outlined on the photographs. For further information, see "Special Boundary Report, Project 6081", submitted on 28 April 1955, and the Special Boundary Report for this project.

11. OTHER CONTROL

Two recoverable topographic stations were established: PINE, 1955 in Map T-10301; and ANNE, 1955 in Map T-10337.

12. OTHER INTERIOR FEATURES

All roads and buildings were classified in accordance with Project Instructions. There are no airports or landing fields within the area.

There are no bridges over navigable waters within the area of these maps.

There is one overhead power cable located at Sams Point in Map T-10300. The vertical clearance above mean high-water is 75.1 feet.

13. GEOGRAPHIC NAMES

See Special Report, Geographic Names, for this project.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Data for Map T-11123, Project 6081, forwarded to the Baltimore District Officer in Pkg. Nos. 55-29 and 55-30, on 26 August 1955.

Data for Map T-10302 forwarded to the Chief, Photogrammetry Division in Pkg. No. 55-37, on 13 October 1955.

Original copies of Form 526 for Project 6081, forwarded to the Director in Pkg. No. 54-56, on 12 November 1954.

Coast Pilot Notes, Project 6081, forwarded to the Director on 27 May 1954.

Special Reports to be submitted for the project as a whole:

- Boundaries
- Geographic Names
- Coast Pilot
- Triangulation for Supplemental Control
- Cards for Recovery of Geodetic Control

Submitted by:

21 OCT 1955

Joseph K. Wilson
Joseph K. Wilson
Cartographer

Approved and Forwarded:

J. E. Waugh 21 OCT 1955
J. E. Waugh
CDR, C & GS
Chief of Party

SCALE FACTOR

COMM-DC-57843

COMPILATION REPORT
T-10300

The photogrammetric plot report covering the area of this manuscript is a part of the descriptive report for T-10315.

31. DELINEATION

Graphic methods were used to delineate this manuscript.

32. CONTROL

The identification, density and placement of horizontal control was satisfactory.

33. SUPPLEMENTAL DATA

The A. M. S. Fort Fremont, S. Carolina quadrangle annotated by the Names Section was used for geographic names.

34. CONTOURS AND DRAINAGE

Contours: Not applicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

Contrary to the statement in item 2 of the field inspection report, not all the photographs were flown at or near the time of low water.

Low water lines were field inspected on photograph 49483 which, according to the predicted tide tables, was exposed very near the time of M.H.W. This data was nevertheless the best available and was delineated on the manuscript.

The field inspection of shoreline was adequate.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 covering the area of this manuscript have been previously submitted. Coosaw River Daybeacon 190 was reported discontinued by Notice to Mariners in 1957 and was removed from the manuscript.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made and are in agreement with:

T-10301 to the east
T-10339 to the west
T-10336 to the north
T-10307 to the south

40. HORIZONTAL AND VERTICAL ACCURACY

No comment

41 thru 45 - Not applicable.

46. COMPARISON WITH EXISTING MAPS

(1) A.M.S. Fort Fremont S. Carolina quadrangle, scale 1:50,000, published in 1948.

(2) U.S.C. & G. S. Air Photo Compilation T-5187, Harbor River, scale 1:20,000, photographs of 1933.

(3) U.S.C. & G. S. Air Photo Compilation T-5207, Coosaw River, scale 1:10,000, photographs of 1933.

47. COMPARISON WITH NAUTICAL CHARTS

The manuscript was compared with Chart 838, scale 1:40,000, published March 1952, corrected to 7/10/57.

Items to be applied to Nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
29 September 1958

Judson Council

J. Y. Council
Carto. Photo. Aid

Approved and Forwarded

William F. Deane
William F. Deane,
CDR C&GS
Baltimore District Officer

48. GEOGRAPHIC NAME LIST

Ateza Church

Beaufort County

* Coosaw River
Coosaw Island
Coosaw School

Datha Island

Intracoastal Waterway

Jenkins Creek

Ladies Island
Lucy Point Creek

Morgan River

Rock Springs Creek

St. Helena Island
St. Maritan Church
Sams Point
S.C. 802 (highway)

*B.G.N. Decision

George M. Bace
Geographic Names Section
2 September 1959

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PHOTOGRAMMETRIC OFFICE REVIEW

T-10300

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

CONTROL STATIONS

4a. Classification label ☒

5. Horizontal control stations of third-order or higher accuracy ☒ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ☒ 7. Photo hydro stations ☒ 8. Bench marks ☒
9. Plotting of sextant fixes ☒ 10. Photogrammetric plot report ☒ 11. Detail points ☒

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges ☒ 16. Aids to navigation ☒ 17. Landmarks ☒ 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable contours ☒ 23. Stereoscopic instrument contours ☒ 24. Contours in general ☒ 25. Spot elevations ☒ 26. Other physical features ☒

CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒

40. R. B. Blaser Joseph Steinberg
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

Refer to Descriptive Report T-10306
for a Review Report covering this manuscript.

Reviewed by

A. L. Woodward
A. L. Woodward

Approved by

L. C. Land
L. C. Land
Chief, Review Section

J. Bowie
J. Bowie
Chief, Coastal Surveys
Division

L. F. Woodcock
~~L. F. Woodcock, Chief~~
Asst. Chief, Photogrammetry Division

J. E. Waugh
J. E. Waugh
Chief, Chart Division

10/31/61

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10300

Record of Application to Charts

[illegible]

M-216B-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.