## Descriptive Report

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<td>Field No.</td>
<td>Ph-154</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-10300</td>
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### Locality

<table>
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<th>State</th>
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<tbody>
<tr>
<td>General Locality</td>
<td>Coosaw River</td>
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<tr>
<td>Locality</td>
<td>Coosaw Island</td>
</tr>
</tbody>
</table>

---

**Chief of Party**

J. E. Waugh, Photogrammetric Party 1

W. F. Deane, Baltimore District Officer

---

**Library & Archives**

Date: September 1961
DATA RECORD

T-10300

Ph-154

Project No. (II): 6654

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 (2) refer to mean high water
Elevations shown as (s) 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

Plane Coordinates (IV):

State: S. Carolina Zone: South

Y =

X =

Rome 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.
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 (unknown) by (III): B. F. Lampton  
Date: 1/4/56

Planimetry  
Date:

Stereoscopic Instrument compilation (III):  
Contours  
Date:

Manuscript delineated by (III): J. Councill  
Date: 9/29/58

Photogrammetric Office Review by (III): R. Glaser  
Date: 10/14/58

Elevations on Manuscript checked by (II) (III):  
Date:
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<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<td>1608</td>
<td>1:10,000</td>
<td>1.0'</td>
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<tr>
<td>49,482</td>
<td>3/24/55</td>
<td>0934</td>
<td>&quot;</td>
<td>6.8'</td>
</tr>
<tr>
<td>49,493 &amp; 4</td>
<td>3/24/55</td>
<td>0934</td>
<td>&quot;</td>
<td>7.0'</td>
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Tide (III) From Predicted Tables

<table>
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<tr>
<th>Reference Station:</th>
<th>Savannah River Entrance</th>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
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<tr>
<td>Subordinate Station:</td>
<td>Lucy Pt. Creek Ent.</td>
<td>6.9</td>
<td>8.1</td>
<td></td>
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<td>Subordinate Station:</td>
<td></td>
<td>6.8</td>
<td>8.0</td>
<td></td>
</tr>
</tbody>
</table>

Washington Office Review by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

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
Number of BMs searched for (II): 3
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
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-COOGAW 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-112123), 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-112123.)

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:

<table>
<thead>
<tr>
<th>T-10336</th>
<th>T-10337</th>
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<tbody>
<tr>
<td>BUZZ, 1933</td>
<td>ABE, 1934</td>
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<tr>
<td>FIELD, 1934</td>
<td>BUG, 1934</td>
</tr>
<tr>
<td>ONE, 1933</td>
<td>RED BEACON, 1933</td>
</tr>
</tbody>
</table>

4. VERTICAL CONTROL

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

ASHEPPO-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 6031", 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
Cartographer

Approved and Forwarded:
21 OCT 1955

J. E. Waugh
CDR, C & GS
Chief of Party
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<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
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1 FT. = 0.3048006 METER

CHECKED BY: F. M. Wisiecki DATE: 11/14/55
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 1:60,000, 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. Councill
Carto. Photo. Aid

Approved and Forwarded

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

[Signature]
Geographic Names Section
September 1959
PHOTOGRAMMETRIC OFFICE REVIEW
T-10300

1. Projection and grids ✓
2. Title ✓
3. Manuscript numbers ✓
4. Manuscript size ✓
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 ✓
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 alongshore cultural features ✓
20. Water features ✓
21. Natural ground cover ✓
22. Planetary contours ✓
23. Stereoscopic instrument contours ✓
24. Contours in general ✓
25. Spot elevations ✓
26. Other physical features ✓
27. Roads ✓
28. Buildings ✓
29. Railroads ✓
30. Other cultural features ✓
31. Boundary lines ✓
32. Public land lines ✓
33. Geographic names ✓
34. Junctions ✓
35. Legibility of the manuscript ✓
36. Discrepancy overlay ✓
37. Descriptive Report ✓
38. Field inspection photographs ✓
39. Forms ✓

Reviewer
Joseph Steinberg

Supervisor, Review Section or Unit

Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

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

Remarks:
Refer to Descriptive Report T-10306 for a Review Report covering this manuscript.
## Record of Application to Charts

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<thead>
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<th>DATE</th>
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<th>REMARKS</th>
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<td>J. B. Powers</td>
<td>Before After Verification and Review</td>
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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.