Form No.
U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Planimetric</th>
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<tbody>
<tr>
<td>Field No.</td>
<td>Ph-154</td>
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<tr>
<td>Office No.</td>
<td>T-10311</td>
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<table>
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<tr>
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<tr>
<td>General locality</td>
</tr>
<tr>
<td>Locality</td>
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</table>

1955

<table>
<thead>
<tr>
<th>CHIEF OF PARTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>J.E. Waugh, Chief of Party</td>
</tr>
<tr>
<td>W.F. Deane, Balto, District Officer</td>
</tr>
</tbody>
</table>

<table>
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<td>DATE</td>
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<tr>
<td>November 17, 1961</td>
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DESCRIPTIVE REPORT - DATA RECORD

T - 10311

Ph-154

Project No. (II): 812A
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 & 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. N.A. 1927 Date:
Date registered (IV): 17 Feb 1956

Publication Scale (IV):
Publication date (IV):

Geographic Datum (III):
Vertical Datum (III): MHW
Mean sea level except as follows:
Elevations shown as (☐) refer to mean high water
Elevations shown as (☒) refer to sounding datum
I.e., mean low water or mean lower low water

Reference Station (III): SHOOT, 1933

Lat.: 32° 20' 03.625'' (111.7 m) Long.: 80° 42' 49.859'' (1304.0 m)
Adjusted

Plane Coordinates (IV):
State: S. C.
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 $80^\circ - 41.25^\circ$

(Show name within area)

(II) (III)
Field Inspection by (II): Leo F. Beugnet
   Richard H. Houlder
   Date: Nov. 1955
   Nov. 1955

Planetable Contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 1955, Date of Photography,
supplemented by field inspection.

Projection and Grids ruled by (IV): A. Riley
   Date: 10/10/55

Projection and Grids checked by (IV): A. Riley
   Date: 10/10/55

Control plotted by (III): B. F. Lampton
   Date: 5/29/56

Control checked by (III): E. L. Williams
   Date: 6/6/56

Radial Plot (concluded) L. A. Senasack
   Date: 9/4/56

Surveying by (III):
   Planimetry
   Date:

Stereoscopic Instrument compilation (III):
   Contours
   Date:

Manuscript delineated by (III): J. Honick
   Date: 1/16/59

Photogrammetric Office Review by (III): R. Oles
   Date: 1/29/59

Elevations on Manuscript
   checked by (II) (III):
   Date:
In addition to the above triangulation stations, four stations to the west were recovered, namely: BANANA 2, 1931; LEMON 2, 1933; ROSE, 1933; and WAD, 1933. Stations LEMON 2, 1933 and WAD, 1933 were identified.

One 3rd-order triangulation intersection station was established and identified.
FIELD INSPECTION REPORT
Project 6154

Maps
T-10311 and T-10312

2. AREAL FIELD INSPECTION

These maps lie: south of Beaufort on parts of St. Helena, Ladies and Parris Islands. The majority of the area is land and tidal marshes. There are no incorporated towns or villages within the area. The Marine Corps Recruit Depot is located on Parris Island. The Intracoastal Waterway runs through Map T-10312 via Beaufort River. Broad River lies in the southwestern part of Map T-10311. There are no railroads within the area.

The quality of the nine-lens photography was in general 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.

There are three distinct photographic tones near the tidal marsh. The very dark tones are marsh. The white tones are sand and/or shell. The light tone is mud. There are some exceptions to these tones however as low, sparse marsh on a sandy mud will photograph white; mud will also photograph white in some cases. All of these have been labeled on the photographs.

Swamp limits and the 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.: 49389, 49390, 49439, 49440, 49441, 49488, 49489 and 49490.

3. HORIZONTAL CONTROL

All horizontal control stations within the area were searched for and reported on Form 526.

The following stations were reported lost:

Map T-10311:

ARCH, 1921
ARCHERS CREEK BEACON, 1933
Map T-10311 (cont'd):

BASE 1 (USE), 1931
PARRIS ISLAND STACK, HIGHEST OF TWINS, 1932
RIFLE, 1933
TRIANGULAR BEACON, 1931

Map T-10312:

BUG, 1933
CHOW, 1933
MOORING MAST, 1933
PARRIS ISLAND HIGH BRICK STACK, 1932
PARRIS ISLAND LOW WHITE STACK, 1932
PARRIS ISLAND REAR RANGE LIGHTHOUSE, 1900
PARRIS ISLAND SILVER WATER TANK, 1932
PARRIS ISLAND WATER TANK WHITE WITH BLACK TOP, 1932

The following third-order triangulation intersection stations were established:

Map T-10311:

PARRIS ISLAND MARINE CORPS RECRUIT DEPOT,
LOCKOUT TOWER

Map T-10312:

PARRIS ISLAND MARINE CORPS RECRUIT DEPOT,
AIR STRIP BEACON
PARRIS ISLAND MARINE CORPS RECRUIT DEPOT,
AIR STRIP CONTROL TOWER
PARRIS ISLAND MARINE CORPS RECRUIT DEPOT,
SPHERICAL TANK (elevated).

Station OK 2, 1956 was established since OK, 1933 was in danger of being destroyed soon.

4. VERTICAL CONTROL

All tidal bench marks were searched for and reported on Form 685. No new bench marks were established.
5. **CONTOURS AND DRAINAGE**

Contouring is inapplicable.

There is little drainage. It is all tidal, except for ditches which drain swamp, marsh and cultivated areas.

6. **WOODLAND COVER**

The woodland cover has been classified in accordance with Section 5433, Topographic Manual, Part II.

7. **SHORELINE AND ALONGSHORE FEATURES**

The majority of the shoreline is the offshore edge of marsh. The shoreline was visually inspected from a skiff and symbolized on the photographs in accordance with the Topographic Manual, Part II, Fig. 5.22.

The foreshore is usually mud or mud and oysters. It has been classified on the photographs.

There are no bluffs or cliffs within the area.

All docks, piers and landings have been noted on the photographs.

The shore ends of two submerged cables were identified on the photographs.

8. **OFFSHORE FEATURES**

The approximate mean low water line has been indicated on the photographs in accordance with the Topographic Manual, Part II, Fig. 5.22. The mean low water line could not be accurately determined.

The approximate low water line along Parris Island in Broad River and Port Royal Sound lies several hundred feet offshore and was sketched during shoreline inspection.

9. **LANDMARKS AND AIDS**

Five landmarks for nautical charts were recommended for charting on Form 567. Three are within Map T-10311 and two within Map T-10312.
There are no aeronautical or interior landmarks within the area.

All fixed aids to navigation were pricked direct on the photographs for photogrammetric location.

10. **BOUNDARIES, MONUMENTS AND LINES**

The only boundary within these two maps is the boundary of the Parris Island Marine Corps Recruit Depot. (See Special Boundary Report, Project 6154.)

11. **OTHER CONTROL**

No other control was established.

12. **OTHER INTERIOR FEATURES**

*All roads within the area were classified in accordance with project instructions.

*Within the Parris Island Marine Corps Recruit Depot all class "2" buildings were circled in red ink. Buildings that have been razed were deleted in green ink. Buildings and areas circled or outlined in violet ink are features that the Public Works Officer, Parris Island Marine Corps Recruit Depot requested not be shown on published manuscripts. All other buildings are class "1" and are to be delineated.

The following bridge clearances were tabulated in accordance with project instructions. The measurements of the clearances, as determined by the field party in 1955, are listed on the first line. The second line lists those shown in the U. S. Engineers List of Bridges Over Navigable Waters of the United States.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Vertical Clearance</th>
<th>Horizontal Clearance</th>
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<tbody>
<tr>
<td>Archers Creek</td>
<td>Fixed</td>
<td>22.0 ft.</td>
<td>36.0 ft.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>14.0 ft.</td>
<td>34.0 ft.</td>
</tr>
<tr>
<td>Ballast Creek</td>
<td>Fixed</td>
<td>5.0 ft.</td>
<td>28.0 ft.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not Listed</td>
<td></td>
</tr>
</tbody>
</table>

The airfield on Parris Island is now seldom used.

There are no overhead cables crossing over navigable water.
13. GEOGRAPHIC NAMES

See Special Report, Geographic Names, Project 6154.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA


Data for Maps T-10316 and T-10317 forwarded to the Baltimore District Office in Pkg. No. 56-1 on 5 January 1956.

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

Geographic Names

Triangulation for Supplemental Control

Cards for Recovery of Geodetic Control

Cards for Recovery of Tidal Bench Marks

Forms 567 for Landmarks and Aids to Navigation - both Nautical and Aeronautical

Submitted by:
Leo F. Beugnet
Leo F. Beugnet
Cartographic Survey Aid

Approved & Forwarded:
J. E. Waugh
CDR, C & GS
Chief of Party
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR y-COORDINATE</th>
<th>LONGITUDE OR x-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927 · DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>SCALE FACTOR</th>
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<tr>
<td>LEMON 2, 1933</td>
<td>G-1670 p. 70</td>
<td>N.A. 1927</td>
<td>32</td>
<td>22</td>
<td>26.618</td>
<td>820.5</td>
<td>(1027.7)</td>
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<td></td>
<td></td>
<td></td>
<td>80</td>
<td>47</td>
<td>35.252</td>
<td>921.6</td>
<td>(647.0)</td>
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<td>Sub. Pt. LEMON 2, 1933</td>
<td></td>
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<td>32</td>
<td>22</td>
<td>789.4</td>
<td>918.1</td>
<td>(1058.8)</td>
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<td>SIDE, 1933</td>
<td>G-1670 p. 70</td>
<td>N.A. 1927</td>
<td>32</td>
<td>21</td>
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<td>1155.6</td>
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<td>WAD, 1933</td>
<td>G-1670 p. 70</td>
<td>N.A. 1927</td>
<td>32</td>
<td>19</td>
<td>33.051</td>
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<td>(MARINE) BLACK, 1931</td>
<td>G-1669 p. 96</td>
<td>N.A. 1927</td>
<td>32</td>
<td>21</td>
<td>10.331</td>
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<td>41</td>
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<td>FARRIS ISLAND</td>
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<td>19</td>
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<td>MARINE CORPS RE-</td>
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<td>42</td>
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<td>LOOKOUT TOWER, 1955</td>
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<td>SHOOT, 1933</td>
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<td>20</td>
<td>03.625</td>
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<td>80</td>
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<td>49.859</td>
<td>1301.0</td>
<td>(265.2)</td>
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<td>PARRIS (U.S.E.)  1931</td>
<td>G-1819 p. 111</td>
<td>N.A. 1927</td>
<td>32</td>
<td>21</td>
<td>53.677</td>
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<td>80</td>
<td>42</td>
<td>08.720</td>
<td>228.0</td>
<td>(1340.6)</td>
</tr>
</tbody>
</table>
The photogrammetric plot report covering the area of this manuscript is a part of the descriptive report for T-10307.

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**
   
   The shoreline inspection was adequate.

   The low water line was delineated from field inspection and office interpretation of the photographs.

36. **OFFSHORE DETAILS**
   
   No comment.

37. **LANDMARKS AND AIDS**
   
   Forms 567 have been previously submitted for three landmarks to be charted and two landmarks to be deleted.
38. CONTROL FOR FUTURE SURVEYS
   None.

39. JUNCTIONS
   Junctions have been made and are in agreement with:
   T-10305 to the north
   T-10312 to the east
   T-10316 to the south

   No contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY
   No comment.

41 through 45.
   Not applicable.

46. COMPARISON WITH EXISTING MAPS
   Comparison has been made with the following: A.M.S. Fort Fremont,
   S. Carolina quadrangle, scale 1:50,000, published in 1948.
   C&GS Survey T-5209, scale 1:10,000, from 1933 photographs.
   C&GS Survey T-5210, scale 1:10,000, from 1933 photographs.
   C&GS Survey T-5135, scale 1:20,000, from 1933 photographs.

47. COMPARISON WITH NAUTICAL CHARTS
   This manuscript was compared with Chart No. 571, scale 1:40,000
   published October 1936 (10th edition), corrected to 8/18/56.
   Items to be applied to nautical charts immediately: None.
   Items to be carried forward: None.

Respectfully submitted
19 January 1959

Approved and forwarded:

William F. Deane
William F. Deane,
CDR C&GS
Baltimore District Officer
48. **GEOGRAPHIC NAME LIST**

* Archers Creek
  Ballast Creek
* Battery Creek
  Beaufort County
  Broad River

  Charleston and Western Carolina R.R.

* Daws Island
  Dredge Cut (Flat C-3, boundary report)

  Horse Island

  Jericho Island

* Parris Island
  Parris Island Marine Corps Recruit Depot
  Port Royal
  Port Royal Sound (Title)

  Ribbon Creek

  South Carolina

  Whale Branch

* B.G.N. Decisions

[Signature]

Geographic Names Section
01 August 1959
PHOTOGRAMMETRIC OFFICE REVIEW
T-1031


CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy ✓ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) X 7. Photo hydro stations X 8. Bench marks X

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines ✓ 32. Public land lines X

MISCELLANEOUS
40. 
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:
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be (deleted from) the charts indicated.

The positions given have been checked after listing by J. E. Waugh

/s/ J. E. Waugh

Chief of Party

<table>
<thead>
<tr>
<th>STATE</th>
<th>SOUTH CAROLINA</th>
</tr>
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<tr>
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<td>DESCRIPTION</td>
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<tr>
<td>SIGNAL POLE</td>
<td>Weather</td>
</tr>
<tr>
<td>RADIO TOWERS</td>
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</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by [Signature]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* Tabulate seconds and meters
Refer to Descriptive Report T-10306 for a Review Report covering this manuscript.
NAUTICAL CHARTS BRANCH

SURVEY NO. T-10311

Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
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<tbody>
<tr>
<td>10-66</td>
<td>571</td>
<td>H. J. Keeler (A. Deeming)</td>
<td>Before After Verification and Review Fully Applied</td>
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<td>Before After Verification and Review</td>
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</tr>
</tbody>
</table>

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.