

# 11315

ORIG.

Diag. Cht. No. 1239-2.

Form 504

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. 6126 Office No. T-11315

### LOCALITY

State South Carolina

General locality Charleston County

Locality Stone River

1956

### CHIEF OF PARTY

Ira E. Rubottom, Chief of Party

V. Ralph Sobieralski, O-in-C., Portland

~~Photogrammetric Office~~

LIBRARY & ARCHIVES

**JUN 2 - 1958**

DATE

COMM-DC 61300

# 11315

DESCRIPTIVE REPORT - DATA RECORD

T- 11315

Project No. (II): 6126

Quadrangle Name (IV):

STONE RIVER

Field Office (II): Charleston, S. C.

Chief of Party: Ira R. Rubottom

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: V. Ralph Sobieralski

Instructions dated (II) (III): 13 December 1955

Copy filed in Division of  
Photogrammetry (IV)

Amendment dated: 20 March 1956

Portland Office assignment  
Letter 73,mkl dated 2 August 1956

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV):

OCT 30 1957

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 3 Mar 1958

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): X

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): LUCK 1933

Lat.: 32° 43' 59.695" 1838.9m  
(9.4m)

Long.: 80° 00' 46.405" 1208.3m  
(354.0m)

Adjusted X  
Unadjusted

Plane Coordinates (IV):

State:

Zone:

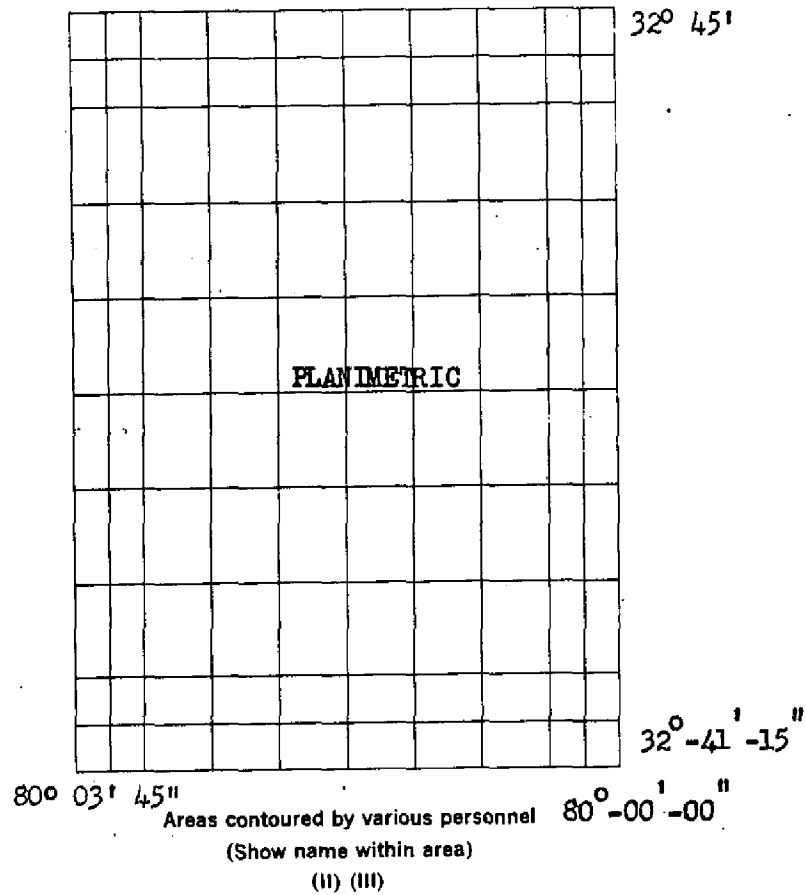
Y=

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.

## DESCRIPTIVE REPORT - DATA RECORD





DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Martin C. Moody  
John S. Winter  
John R. Smith

Date: Jan., Feb., 1956  
Mar., 1956  
Mar., 1956

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): From field inspection of March 1956 made on 9-lens photographs of March 1952 and March 1955, supplemented by office examination and refinement.

Projection and Grids ruled by (IV):

A. RILEY

Date: 12/21/55

Projection and Grids checked by (IV):

A. RILEY

Date: 11/3/56

Control plotted by (III):

LTJG Clinton D. Upham

Date: 10/12/56

Control checked by (III):

J. L. Harris

Date: 10/13/56

Radial Plot or Stereoscopic  
Control extension by (III):

J. L. Harris

Date: 1/21/57

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III):

R. B. Melby (Rough Draft)  
D. N. Williams (Scribing)  
D. N. Williams (Stick-up)

Date: 3/29/57  
4/24/57  
6/21/57

Photogrammetric Office Review by (III): J. E. Deal

Date: 7/23/57

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

Date:



## DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&amp;GS 9-lens - focal length 8.25 inches

Number		Date	Time	Scale	Stage of Tide
35852 thru	35855	3/16/52	14:00	1:10,000	2.8 ft. above M.L.W.
49247 and	49248	3/23/55	13:42	1:10,000	0.3 ft. below M.L.W.

## PHOTOGRAPHS (III)

## Tide (III)

Reference Station: Charleston, S. C.  
Subordinate Station: Elliot Cut, Stono River  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	5.1	6.0
	5.2	6.1

Washington Office Review by (IV):

Date: Feb 1958

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 14

Shoreline (More than 200 meters to opposite shore) (III): 5

Shoreline (Less than 200 meters to opposite shore) (III): 1

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 4\*

Recovered: 4\*\*

Identified: 2\*\*\*

Number of BMs searched for (II): 3#

Recovered: 1

Identified: 1

Number of Recoverable Photo Stations established (III): None

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

## Remarks:

\* Plus 12 north of map

\*\* Plus 5 north of map

\*\*\* Plus 1 north of map

# Tidal Bench Marks north of map

## FIELD INSPECTION REPORT

Project Ph-126

Map Manuscript T-11315

Refer to Field Inspection Report, Project 6126, Map Manuscripts T-11306 to T-11315 inclusive, year 1956, Ira R.

Rubottom, Chief of Party.

## PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-11315

Project Ph-126

The control extension for this map manuscript was completed as part of a combined radial plot comprising Map Manuscripts No'd. T-11309, T-11310 and T-11313 thru T-11315. The Photogrammetric Plot Report is included in the Descriptive Report for T-11309.

None

1 FT. = 3048006 METER  
COMPUTED BY: C.D.U.  
DATE: 10/6/56  
CHECKED BY: J.L.H.  
DATE: 10/8/56  
COMM. DC- 57843



## COMPILATION REPORT

Map Manuscript T-11315

Project Ph-126

31. Delineation:

Remarks contained in Paragraph 31. "Delineation" of the Compilation Report for T-11306 are applicable to T-11315.

32. Control:

Horizontal control was adequate.

Paragraphs 33 thru 36:

Remarks contained in these paragraphs of the Compilation Report for T-11306 are applicable to T-11315.

37. Landmarks and Aids:

None

38. Control for Future Surveys:

None.

39. Junctions:

A satisfactory junction was made on the East with T-11306 and on the South with T-11310.\* Any contemporary surveys that may be to the North and West were not made available for junction purposes.

\* THERE IS NONE.  
Are

AKA  
2

40. Horizontal and Vertical Accuracy:

46. Comparison with Existing Surveys:

Comparison was made with Army Map Service Legareville, S. C. 7½ minute quadrangle, Scale, 1:25,000, published 1943 (1st edition).

Comparison was made with C&GS Air Photo Compilations as follows:

T-5153 Scale, 1:20,000

T-5182 Scale, 1:10,000

T-5185 Scale, 1:10,000

47. Comparison with Nautical Charts:

Comparison was made with nautical chart No. 792, scale, 1:40,000, published June 1941, last corrected 6/27/55.

"Items to be applied to nautical charts immediately"

None.

"Items to be carried forward".

None.

Approved:

*J. Ralph Sobieralski*

V. Ralph Sobieralski  
LCDR C&G Survey  
Officer-in-Charge

Respectfully submitted:

*J. Edward Deal*

J. Edward Deal  
Cartographer  
C&GS



T-11315

Geographic Names.

Cedar Springs Church  
Charleston County  
Fenwick Hall

Hut Creek

James I land  
Johns Island  
Johns Island Airport

Maybank Highway      State 700  
Miller Hill              (not Miller Hall)

Flowed Ground Road

River Road

St. Stephen's Church  
South Carolina  
Stono River

Wesley Methodist Church

Names approved 12-6-57

L. H. eck

L. H.

49. Notes to the Hydrographer:

None.

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## PHOTOGRAMMETRIC OFFICE REVIEW

T-11315

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

## CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy X 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) none 7. Photo hydro stations none 8. Bench marks none 9. Plotting of sextant fixes none 10. Photogrammetric plot report X 11. Detail points X

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline X 13. Low-water line X 14. Rocks, shoals, etc. X 15. Bridges none 16. Aids to navigation none 17. Landmarks none 18. Other alongshore physical features X 19. Other along-shore cultural features X

## PHYSICAL FEATURES

20. Water features X 21. Natural ground cover X 22. Planetable contours none 23. Stereoscopic instrument contours none 24. Contours in general none 25. Spot elevations none 26. Other physical features X

## CULTURAL FEATURES

27. Roads X 28. Buildings X 29. Railroads none 30. Other cultural features X

## BOUNDARIES

31. Boundary lines none 32. Public land lines none

## MISCELLANEOUS

33. Geographic names X 34. Junctions X 35. Legibility of the manuscript X 36. Discrepancy overlay none 37. Descriptive Report X 38. Field inspection photographs X 39. Forms X 40. \_\_\_\_\_

Reviewer

J. Edward Deal  
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:

REVIEW REPORT T-11306 thru T-11315  
PLANIMETRIC  
12 February 1958

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

296	1:20,000	1849	899	1:20,000	1862
491	1:20,000	1854	3843	1:20,000	1921
714	1:20,000	1858	4856	1:10,000	1934
964	1:10,000	1864	6074	1:10,000	1934
			5154	1:20,000	1934

These manuscripts supercede all the above surveys in common areas as source material for charts.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

James Island	1:25,000	AMS
The Jetties	"	"
Legareville	"	"
Kiawah Island	"	"

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

65. COMPARISON WITH NAUTICAL CHARTS

792	1:40,000	2nd Ed. 1941	Revised 9/9/57
491	1:20,000	1st Ed. 1936	Revised 1/21/57

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

These maps comply with instructions and meet the National Standards of Map Accuracy.

They are of adequate accuracy for use as a base for future hydrographic surveys.

Pertinent comments applicable to each survey follow:

T-11306

Attention is directed to Item 47 for investigation by future hydrographic surveys.

The overhead power cable over Simpson Creek was not verified by field inspection.



66. ADEQUACY OF RESULTS AND FUTURE SURVEYS CONTINUED

T-11307

Refer to Item 4 and 47 of the Compilation Report.

T-11308

It is recommended that the positions of the north and south jetties be checked by the hydrographer. Refer to Item 25 of the Plot Report and Item 31 of the Compilation Report.

T-11311

Several Differences exist in clearances between the manuscript and the chart.

Location	Feature	Chart	Manuscript
East of Peas Island	OVHD CAB	48'	59'
Folly Beach Aer. Folly Cr.	Fixed Bridge	Vt.el.10'	11'
		Horiz.el.57'	54'
Oak Island Cr.	Fixed Bridge	Vt.el. 3'	Skiff cl.
		Horiz.el.28'	

Reviewed by

*A. K. Heywood*  
A. K. Heywood

Approved

*L. C. Hande*  
Chief, Review Branch  
Photogrammetry Division

*Maxwell*  
Chief, Nautical Chart Branch  
Charts Division

*Ad Bull*  
Chief, Photogrammetry  
Division

*W. L. Bull*  
Chief, Coastal Surveys  
Division

REVIEW REPORT T-11306 thru T-11315  
PLANIMETRIC  
12 February 1958

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714	1:20,000	1858	5556	1:10,000	1934
964	1:10,000	1864	6074	1:10,000	1934
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T-11311

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Location	Feature	Chart	Manuscript
East of Peas Island	CHND CAB	4.8'	4.8'
Folly Beach Aer. Folly Cr.	Mixed Bridge	Vt.el. 10'	10'
		Horiz.el. 57'	57'
Oak Island Cr.	Mixed Bridge	Vt.el. 3'	3'
		Horiz.el. 23'	23'

Reviewed by

*A. K. Heywood*  
A. K. Heywood

Approved

*L. C. Rande*  
Chief, Review Branch  
Photogrammetry Division

*at Bull*  
Chief, Photogrammetry  
Division

*May 1955*  
Chief, Nautical Chart Branch  
Charts Division

*W. H. Hall*  
Chief, Coastal Surveys  
Division

## NAUTICAL CHARTS BRANCH

SURVEY NO. 11315

### Record of Application to Charts

[illegible]

M.2168.1

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.