

11310

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-11310

LOCALITY

State South Carolina

General locality Charleston County

Locality Kiawah River

1956

CHIEF OF PARTY

Ira R. Rubottom, Chief of Party

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

~~Photogrammetric Office~~

LIBRARY & ARCHIVES

DATE

JUN 24 1958

COMM-DC 61300

11310

DESCRIPTIVE REPORT - DATA RECORD

T - 11310

Project No. (II): 6126

Quadrangle Name (IV): KIAWAH 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): VILLE 1921

Lat.: 32° 39' 53.405" 1654.1m
(203.1m)

Long.: 80° 00' 28.727" 748.6m
(814.9m)

Adjusted X
Unadjusted

Plane Coordinates (IV):

State:

Zone:

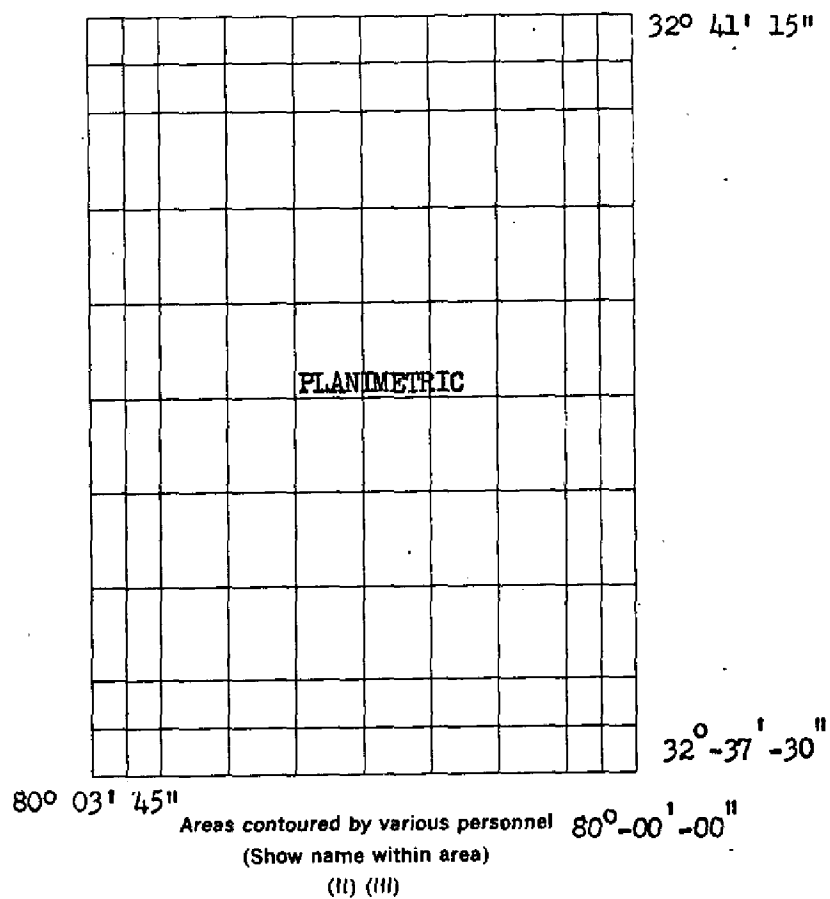
Y=

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

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

Date: **Jan., 1956**
Mar., 1956
Feb., 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 1955, supplemented by 9-lens photographs of Nov. 1955 and office examination and refinement.**

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): **LTJG Clinton D. Upham**

Date: **10/11/56**

Control checked by (III): **J. L. Harris**

Date: **10/12/56**

Radial Plot or Stereoscopic **J. L. Harris**
Control extension by (III):

Date: **1/21/57**

Planimetry
Stereoscopic Instrument compilation (III):
Contours

Date:

Date:

Manuscript delineated by (III): **L. L. Graves (Rough Draft)**
L. L. Graves (Scribing)
J. L. Harris (Stick-up)

Date: **2/28/57**
3/19/57
5/22/57

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

Date: **7/19/57**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

Number	Date	Time	Scale	Stage of Tide
49299 & 49300	3/23/55	14:20	1:10,000	0.4 ft. below M.L.W.
52213 & 52214	11/21/55	10:12	1:10,000	3.7 ft. above M.H.W.

PHOTOGRAPHS (III)

Tide (III)
FROM TABLE OF PREDICTED TIDES

Reference Station: Charleston, S. C.
Subordinate Station: Rockville, Bohicket Cr.
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	5.1	6.0
	5.8	6.8

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): 12

Shoreline (More than 200 meters to opposite shore) (III): 15 miles

Shoreline (Less than 200 meters to opposite shore) (III): 33 miles

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 3 Recovered: 3

Identified: 2

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:

Tidal Bench Marks

FIELD INSPECTION REPORT

Project Ph-126

Map Manuscript T-11310

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-11310

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.

SCALE FACTOR None

COMM-DC-5784:

COMPILATION REPORT

Map Manuscript T-11310

Project Ph-126

31. Delineation:

Remarks contained in Paragraph 31, "Delineation" of the Compilation Report for T-11306 are applicable to T-11310.

32. Control:

Horizontal control was adequate.

Paragraphs 33 thru 36:

Remarks contained in these paragraphs of the Compilation Report for T-11306 and applicable to T-11310.

37. Landmarks and Aids:

Form 567 is submitted for one aid to navigation located within the limits of this map manuscript.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made on the East with T-11309, on the West with T-11311, on the North with T-11315 and on the South with T-11314.

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 of 1933 as follows:

No. T-5153, Scale, 1:20,000
 No. T-5154, Scale, 1:20,000
 No. 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 (2nd edition, 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-11310.

Geographic Names.

Abbapoola Creek
Alligator Creek

Bass Creek

Chaplin Creek
Charleston County
Cinder Creek
Cinder Point
Cole Island

(ridge)

Green Creek

Hut Creek

Johns Island

Kiawah I. land
Kiawah River
Legareville

Mt. Zion Elementary School

River Road

Sandy Point Creek
South Carolina
Stono River

(all of it on this sheet is river, not inlet)

Thumb Point

(ridge)

Zion Church
Zion Cemetery

Names approved 12-6-57

L. Heck.

L.H.

49. Notes to the Hydrographer:

Stono River Daybeacon 2 was located by photogrammetric methods during the compilation of this manuscript and it may be used for control during a hydrographic survey.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR CHARTED MARKS~~ FOR CHARTS (T-11310)

TO BE CHARTED
~~NOVEMBER 1945~~

STRIKE OUT ONE

Portland, Oregon

12 September, 1957

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the chart)~~ the charts indicated.

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

V. Ralph Sobieralski Chief of Party.

STATE	SOUTH CAROLINA	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	CHARTS AFFECTED				
					LATITUDE		LONGITUDE					DATUM	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	
					° ' "	D. M. METERS	° ' "	D. P. METERS								
			STONO RIVER DAYBEACON 2 (3898)		32 38	20.06	80 00	19.41	N.A.	1927	Graphic T-11310	1956	X		792	1239

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. Inform *me* under each heading should be given.

PHOTOGRAMMETRIC OFFICE REVIEW

T-11310

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 None 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 X 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:

48. Geographic Names List:

Abbapoola Creek

Alligator Creek

Bass Creek

Cinder Creek

Cinder Point

Chaplin Creek

Charleston County

Cole Island

Green Creek

Hut Creek

Johns Island

Kiawah Island

Kiawah River

Legareville

Mt. Zion Elementary School

River Road

~~Stono Inlet~~

Stono River

Thumb Point

Zion Cemetery

Zion Church

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 supersede 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.

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

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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

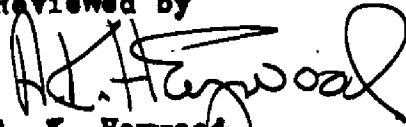
It is recommended that the positions of the north and south jetties be checked by the hydrographer. Refer to Item 25 of the Plot Report and Item 31 of the Compilation Report.

T-11311


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

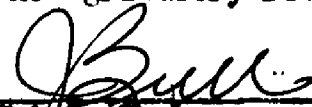
Location	Feature	Chart	Manuscript
East of Peas Island	OVHD CAB	48'	59'
Folly Beach Aer. Folly Cr.	Fixed Bridge	Vt.el.10'	11'
		Horiz.el.57'	54'
Oak Island Cr.	Fixed Bridge	Vt.el. 3'	Skiff el.
		Horiz.el.28'	


Reviewed by



A. K. Haywood

Approved


Chief, Review Branch
Photogrammetry Division


Chief, Photogrammetry
Division


Chief, Nautical Chart Branch
Charts Division


Chief, Coastal Surveys
Division

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 el
		Horiz.el.28'	

Reviewed by

A. R. Heywood
A. R. Heywood

Approved

L. C. Landy
Chief, Review Branch
Photogrammetry Division

B. J. [Signature]
Chief, Photogrammetry
Division

W. B. [Signature]
Chief, Nautical Chart Branch
Charts Division

J. [Signature]
Chief, Coastal Surveys
Division

NAUTICAL CHARTS BRANCH

SURVEY NO. 11 310

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.