

11311

OKe.

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-11311

LOCALITY

State South Carolina

General locality Charleston County

Locality o Folly River

1956

CHIEF OF PARTY

Ira R. Rubottom, Chief of Party
V. Ralph Sobieralski, O-in-C., Portland
Photogrammetric Office

LIBRARY & ARCHIVES

JUN 5 1958

DATE

COMM-DC 51300

11311

DESCRIPTIVE REPORT - DATA RECORD

T- 11311

Project No. (II): 6126

Quadrangle Name (IV):

FOLLY 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): LONG 1934

Lat.: 32° 40' 55.495" 1709.5m
(138.8m)

Long.: 79° 56' 50.762" 1322.5m
(240.7m)

Adjusted X
Unadjusted

Plane Coordinates (IV):

State:

Zone:

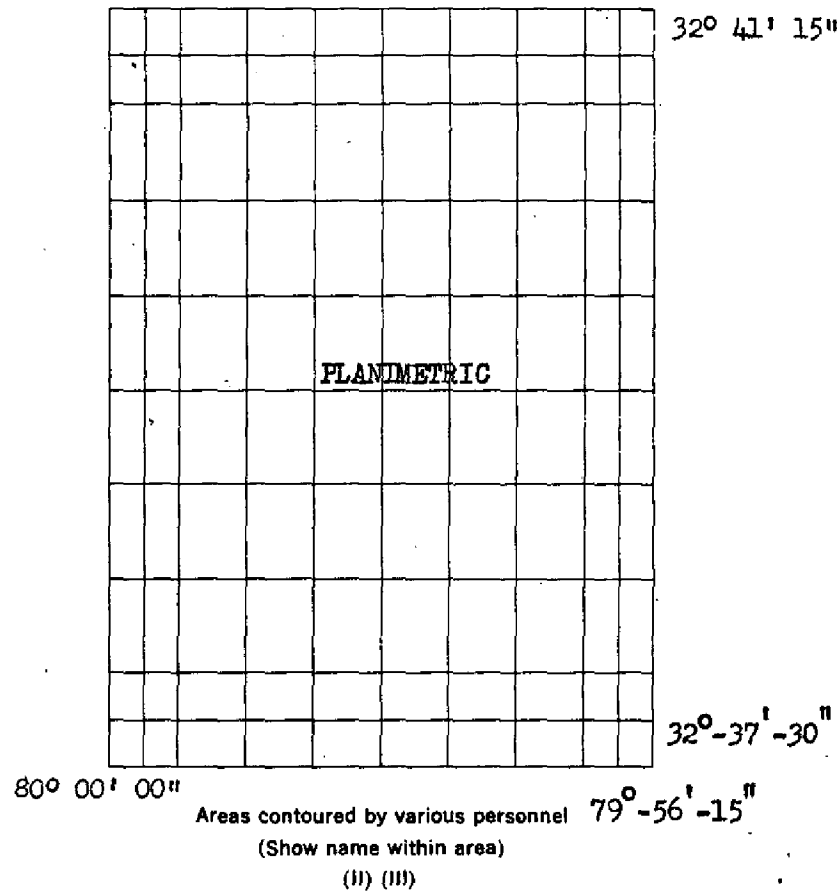
Y=

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
Leo F. Beugnet
Richard H. Houlder
Date: Feb., Mar., 1956
Feb., Mar., 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 1955, supplemented by 9-lens photographs of November 1955 and 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): LTJG Clinton D. Upham
Date: 12/3/56

Stereoscopic Instrument compilation (III):
Planimetry
Contours
Date:
Date:

Manuscript delineated by (III): D. N. Williams (Rough Draft)
D. N. Williams (Scribing)
C. C. Harris (Stick-up)
Date: 2/1/57
3/18/57
4/29/57

Photogrammetric Office Review by (III): J. E. Deal
Date: 7/19/57

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

5.
DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

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

Number	Date	Time	Scale	Stage of Tide
49281 & 49282	3/23/55	14:00	1:10,000	0.3 ft. below M.L.W.
49296	3/23/55	14:16	1:10,000	0.4 ft. below M.L.W.
49298	3/23/55	14:18	1:10,000	0.4 ft. below M.L.W.
52210 thru 52212	11/21/55	10:10	1:10,000	3.7 ft. above M.L.W.

Tide (III)
From Table of Predicted Tide

Reference Station: Charleston, S. C.
Subordinate Station: Folly Island
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	5.1	6.0
	5.4	6.4

Washington Office Review by (IV): *A.K. Hynwood*
Final Drafting by (IV):
Drafting verified for reproduction by (IV):
Proof Edit by (IV):

Date: *FEB 1958*
Date:
Date:
Date:

Land Area (Sq. Statute Miles) (III): 8
Shoreline (More than 200 meters to opposite shore) (III): 18 miles
Shoreline (Less than 200 meters to opposite shore) (III): 48 miles
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 17 Recovered: 8 Identified: 5
Number of BMs searched for (II): 4# Recovered: 4 Identified: 1
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III):

Remarks:

Tidal Bench Marks

FIELD INSPECTION REPORT

Project Ph-126

Map Manuscript T-11311

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

Rubottom, Chief of Party. *Filed in Project Completion Report in Library*

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-11311

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-11306 thru T-11308, T-11311 and T-11312. The Photogrammetric Plot Report is included in the Descriptive Report for map manuscript T-11306.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 11311 PROJECT NO. Ph-126 SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
SABLE 1933	G-1669	N.A.	32	38	30.888			951.5	(896.7)		
	Pg. 62	1927	79	59	18.599			484.8	(1079.0)		
SABLE Sub. Pt.			32	38				924.8	(923.4)		
			79	59				506.9	(1056.9)		
BOG 1933	G-1922	"	32	41	08.424			259.5	(1588.8)		
	Pg. 130		79	59	38.562			1004.6	(558.5)		
SOL 1933	G-1669	"	32	40	48.434			1492.0	(356.3)		
	Pg. 62		79	58	07.910			206.1	(1357.1)		
LONG 1934	G-2134	"	32	40	55.495			1709.5	(138.8)		
	Pg. 174		79	56	50.762			1322.5	(240.7)		
LONG Sub. Pt.			32	40				1717.3	(131.0)		
			79	56				1306.4	(256.8)		
BEND 1934	G-2134	"	32	39	57.215			1762.4	(85.8)		
	Pg. 174		79	58	18.351			478.1	(1085.0)		
BEND Sub. Pt.			32	39				1752.2	(96.0)		
			79	58				437.6	(1125.5)		
HERNAN 1933	G-1669	"	32	39	27.198			837.8	(1010.4)		
	Pg. 62		79	58	15.720			409.7	(1153.9)		
KAROW 1933	G-1669	"	32	39	23.816			733.6	(1114.6)		
	Pg. 62		79	57	14.438			376.3	(1187.3)		
KAROW Sub. Pt.			32	39				717.8	(1130.4)		
			79	57				349.7	(1213.9)		
BRUCE 1933	G-1669	"	32	38	32.190			994.6	(856.6)		
	Pg. 67		79	58	25.696			669.7	(894.1)		

COMPILATION REPORT

Map Manuscript T-11311

Project Ph-126

31. Delineation:

Remarks contained in Paragraph 31. "Delineation" of the compilation Report for T-11306 are applicable to T-11311.

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-11311.

37. Landmarks and Aids:

Form 567 is submitted for five aids to navigation which were located by graphic methods

38. Control for Future Surveys:

Form 524 is submitted for one recoverable topographic station as follows:

HOME 1956.

It is listed in Paragraph 49. "Notes to the Hydrographer".

39. Junctions:

A satisfactory junction was made on the East with T-11312,

on the West with T-11310, on the North with T-11306 and on the South with a small section of T-11314. Elsewhere along the South junction is the Atlantic Ocean.

40. Horizontal and Vertical Accuracy:

46. Comparison with Existing Maps:

Comparison was made with Army Map Service James Island, S. C. 7½ minute quadrangle, Scale, 1:25,000 first edition 1943.

Comparison was made with C&GS Air Photo compilations of 1933 Nos. T-5184 and T-5185 both 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 chart immediately"

None.

"Items to be carried forward"

None.

Approved:

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

Respectfully submitted;

J. Edward Deal
J. Edward Deal
Cartographer
C&GS

T-11311.

Geographic Names.

Atlantic Ocean

Bird Key

Bowens Island

Charleston County

Coles Creek

Cutoff Beach

Folly Beach

(town)

Folly Creek

Folly Beach Road

State 171

Folly Island

Folly River

Green Creek

Holland Island Creek

Kia,ah Island

King Flats Creek

Long Island

Oak Island

Oak Island Creek

Peas Island

(note on manuscript re possible shift of name)

Robbins Creek

Sol Legare Creek

Sol Legare Island

Sol Legare School

South Carolina

Stono Inlet

Stono River

Tobys Island

Names approved 12-6-57.

L. Heck *L.H.*

Church names in Folly Beach approved as listed by number.

49. Notes to the Hydrographer:

Five aids to navigation were located graphically during the compilation of this map manuscript. They may be used for control during a hydrographic survey. They are:

FOLLY RIVER LIGHT 9

FOLLY RIVER DAYBEACON 10

FOLLY RIVER LIGHT 11

FOLLY RIVER DAYBEACON 13

FOLLY RIVER DAYBEACON 15

Also one monumented recoverable topographic station was located namely:

HOME 1956

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS (T-11311)

Portland, Oregon

23 September, 1957

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

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

[illegible]

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.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11311

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) X 7. Photo hydro stations none 8. Bench marks X 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 X 16. Aids to navigation X 17. Landmarks X 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 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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Kiawah Island	"	"

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None

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

Pertinent comments applicable to each survey follows:

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
		Horiz.el.28'	

Checked clearances (CofC)
10-31-58

Reviewed by

A. K. Heywood
A. K. Heywood

Approved

R. C. Lande
Chief, Review Branch
Photogrammetry Division

May L. K. Kelt
Chief, Nautical Chart Branch
Charts Division

J. Bull
Chief, Photogrammetry
Division

J. Bull
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 Pease Island	OVERD CAB	48'	59'
Folly Beach Aer. Folly Cr.	Fixed Bridge	Vt.el. 10'	11'
		Horiz.el. 57'	51'
Oak Island Cr.	Fixed Bridge	Vt.el. 3'	SHIP
		Horiz.el. 28'	

Reviewed by

A. K. Heywood
A. K. Heywood

Approved

R. C. Lande
Chief, Review Branch
Photogrammetry Division

J. Bull
Chief, Photogrammetry
Division

Act.

May L. K. Kett
Chief, Nautical Chart Branch
Charts Division

J. Bull
Chief, Coastal Surveys
Division

*Checked by [illegible] (2/25)
dated 7/26 10-31-58*

NAUTICAL CHARTS BRANCH

SURVEY NO. _____

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.