

11312

OKG.

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-11312

LOCALITY

State South Carolina

General locality Charleston County

Locality Folly Beach

19 56

CHIEF OF PARTY

Ira R. Rubottom, Chief of Party

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

~~Photogrammetric Office~~

LIBRARY & ARCHIVES

JUN 2 1958

DATE

COMM-DC 61300

11312

DESCRIPTIVE REPORT - DATA RECORD

T- 11312

Project No. (II): 6126

Quadrangle Name (IV):

FOLLY BEACH

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):

Date reported to Nautical Chart Branch (IV):

OCT 30 1957

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):

Mean sea level except as follows: X
Elevations shown as (25) 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): FOLLY NORTH

Lat.: 32° 41' 13.559" 417.7m
(1430.6m)

Long.: 79° 53' 16.783" 437.2m
(1125.8m)

Adjusted X
Unadjusted

Plane Coordinates (IV):

State:

Zone:

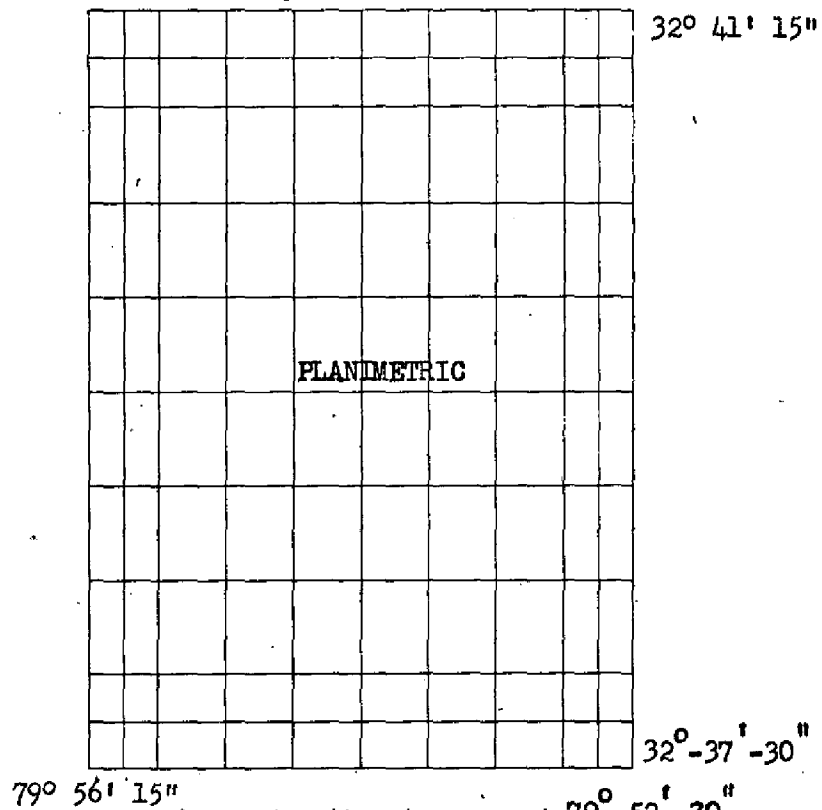
Y=

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



Areas contoured by various personnel

(Show name within area)

(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

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

Date: Feb., 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 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: 1/3/56

Control plotted by (III):

LTJG Clinton D. Upham

Date: 10/7/56

Control checked by (III):

J. L. Harris

Date: 10/8/56

Radial Plot or Stereoscopic
Control extension by (III):

LTJG Clinton D. Upham

Date: 12/3/56

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): L. L. Graves (Rough Draft)
D. N. Williams (Scribing)
C. C. Harris (Stick-up)

Date: 12/28/56
1/4/57
4/17/57

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

Date: 7/19/57

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

Date:

5.
DESCRIPTIVE REPORT - DATA RECORDU.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
49283 & 49284	3/23/55	14:04	1:10,000	0.3 ft. below M.L.W.
52203 & 52204	11/21/55	9:58	1:10,000	3.7 ft. above M.L.W.
52208 & 52209	11/21/55	10:09	1:10,000	3.7 ft. above M.L.W.

Tide (III)
FROM TABLE OF PREDICTED TIDES

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. Hignood

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): 4
Shoreline (More than 200 meters to opposite shore) (III): 8
Shoreline (Less than 200 meters to opposite shore) (III): 14
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 5 *
Number of BMs searched for (II):
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III): None

Recovered: 3 *
Recovered:

Identified: 1
Identified:

Remarks:

* Includes two new third-order intersection stations, one
which was identified

FIELD INSPECTION REPORT

Project Ph-126

Map Manuscript T-11312

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-11312

Project Ph-126

The Control extension for this map manuscript was compiled as part of a combined radial plot comprising map manuscripts No'dl 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.

COMPILATION REPORT

Map Manuscript T-11312

Project Ph-126

Paragraphs 31 thru 36:

Refer to the Compilation Report for T-11306 which is included in the Descriptive Report for that manuscript.

37. Landmarks and Aids:

Form 567 is submitted for two landmarks for nautical charts.

Form 567 is submitted for one landmark for aeronautical charts.

38. Control for Future Surveys:

Form 524 is submitted for one monumented recoverable topographic station namely:

CODE 1956

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

39. Junctions:

Satisfactory junctions were made with T-11311 on the West and T-11307 on the North. To the East and South is the Atlantic Ocean.

40. Horizontal and Vertical Accuracy:41. Reservation Lines:

The line showing the boundary limits of the U. S. Coast Guard Reservation on Folly Island was delineated from a description of the line and data shown on Field Photograph No. 49284.

46. Comparison with Existing Maps:

Comparison was made with Army Map Service James Island S. C. 7 $\frac{1}{2}$ minute quadrangle, Scale, 1:25,000, published 1943 (1st edition).

Comparison was made with C&GS Air Photo Compilations T-5183 and T-5184 of 1933, 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"

New positions of aids to navigation shown on Form 567.

"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-11312

Geographic Names.

Atlantic Ocean

Charleston County

Folly Beach (town)

Folly Island

Folly River

Long Island

Lighthouse Inlet

South Carolina

U.S. Coast/ Guard Loran Station

ed
(check with C.G. This is not a
normal C.G. station, but has only
four men to operate loran)

Names Checked and approved 12-6-57.

L. Heck L. H.

49. Notes to the Hydrographer:

One monumented recoverable topographic station was located graphically namely:

CODE 1956.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NON-FLOATING AID TO NAVIGATION~~
~~OR LANDMARKS FOR CHARTS~~

TO BE CHARTED STRIKE OUT ONE
~~NON-FLOATING AID TO NAVIGATION~~

Portland, Oregon 13 September, 1957

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

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

V. Ralph Sobieralski, Chief of Party.

STATE SOUTH CAROLINA				POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE *		LONGITUDE *		DATUM								
			°	'	D. M. METERS	°		'	D. P. METERS						
LORAN TOWER	skeleton steel, 315 ft. high(320) (Folly Beach Loran Tower 1956)		32	41	01.949	79	53	15.219	N.A. 1927	Triangulation T-11312	1956				Savannah Sectional Q-8

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.

TO BE CHARTED

STRIKE OUT ONE

MONITORING AND CONTROL LANDMARKS FOR CHARTS (7-11312)

Portland, Oregon

13 September 1957

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

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

V. Ralph Sobieralski, Chief of Party.

[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- 11312

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 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 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 X 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

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	1922
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

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	4855	1:10,000	1934
964	1:10,000	1864	6074	1:10,000	1934
			5154	1:20,000	1934

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James Island	1:25,000	AMS
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None

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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 Peag Island	OVHD CAB	48'	59'
Folly Beach Aer. Folly Cr.	Fixed Bridge	Vt.el.10'	11'
		Horiz.el.57'	52'
Oak Island Cr.	Fixed Bridge	Vt.el. 3'	Skiff el.
		Horiz.el.28'	

Reviewed by

A. K. Heywood
A. K. Heywood

Approved

L. C. Lande
Chief, Review Branch
Photogrammetry Division

Max B. Kelle
Chief, Nautical Chart Branch
Charts Division

Ad. G. Sullivan
Chief, Photogrammetry
Division

W. J. Skell
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'	8.110' or
		Horiz.el.28'	

Reviewed by

A. K. Heywood
A. K. Heywood

Approved

L. C. Lande
Chief, Review Branch
Photogrammetry Division

Max B. Kelle
Chief, Nautical Chart Branch
Charts Division

Ad. Burr
Chief, Photogrammetry
Division

W. H. Hull
Chief, Coastal Surveys
Division

NAUTICAL CHARTS BRANCH

SURVEY NO. 11312

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.