

11313

OKB.

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-11313
LOCALITY	
State	South Carolina
General locality	Charleston County
Locality	Kiawah Island
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

11313

DESCRIPTIVE REPORT - DATA RECORD

T - 11313

Project No. (II): 6126

Quadrangle Name (IV):

KANAH ISLAND

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): SCOTT 1933

Lat.: $32^{\circ} 36' 32.290''$ 994.7m
(853.5m)

Long.: $80^{\circ} 06' 19.869''$ 518.0m
(1067.4m)

Adjusted X
Unadjusted

Plane Coordinates (IV):

State:

Zone:

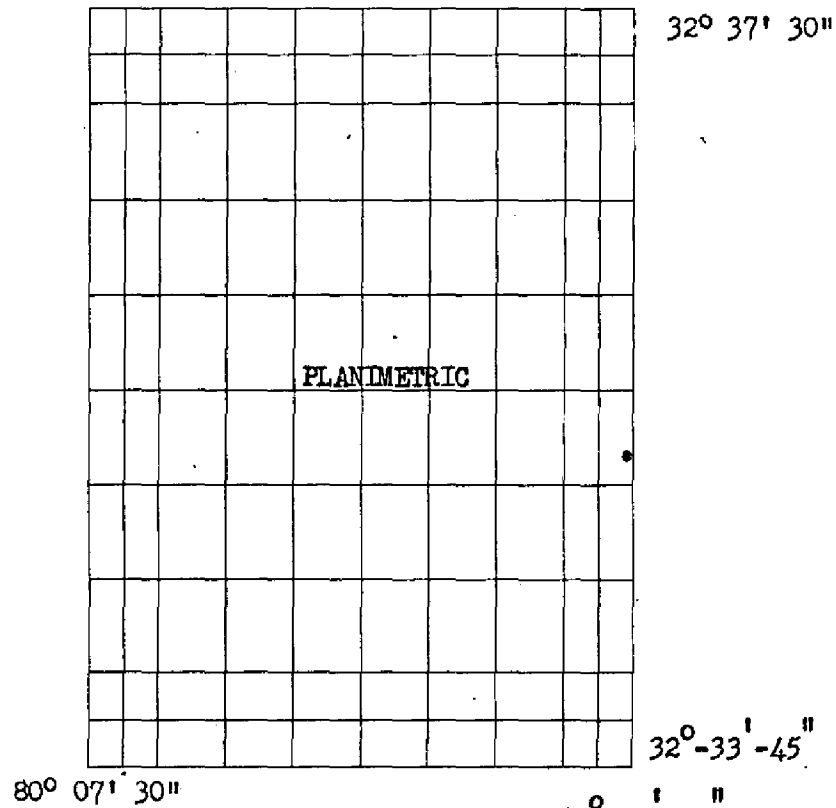
Y=

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 80°-03'-45"

(Show name within area)

(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

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

Date: Jan., Mar., 1956
Feb., 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: 10/12/56

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)
R. B. Melby (Scribing)
C. C. Harris (Stick-up)

Date: 2/13/57
2/19/57
3/10/57

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

Date: 7/23/57

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

		PHOTOGRAPHS (III)			
Number	Date	Time	Scale	Stage of Tide	
49277 & 49278	3/23/55	14:00	1:10,000	-0.6 ft. below M.L.W.	
52215 thru 52217	11/21/55	10:12	1:10,000	3.7 ft. below M.L.W.	

From TABLE of PREDICTED TIDES
Tide (III)
Reference Station: Charleston, S. C.
Subordinate Station: Rockville, Bohicket Creek
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): 5
Shoreline (More than 200 meters to opposite shore) (III): 25.6
Shoreline (Less than 200 meters to opposite shore) (III): 5.5
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 2 Recovered: 2 Identified: 1
Number of BMs searched for (II): 0 Recovered: 0 Identified: 0
Number of Recoverable Photo Stations established (III): 3*
Number of Temporary Photo Hydro Stations established (III):

Remarks:

- * The Form 524 for VAN Azimuth Mark was completed at the
Compilation Office.

FIELD INSPECTION REPORT

Project Ph-126

Map Manuscript T-11313

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-11313

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

1 FT. = 30.48006 METER	COMPUTED BY: J.E.D.	DATE: 12/7/56	CHECKED BY: J.L.H.	DATE: 12/10/56	COMM-DC-5784
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COMPILATION REPORT

Map Manuscript T-11313

Project Ph-126

31. Delineation:

Remarks contained in Paragraph 31. "Delineation" of the Compilation Report for T-11306 are applicable to T-11313.

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-11313.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

Forms 524 are submitted for two monumented recoverable topographic stations which were located by graphic methods. They are:

KNEE 1956 and MILE 1956

Form 524 is submitted by the Photogrammetric Office for one other monumented station which was located by graphic methods, namely:

VAN AZIMUTH MARK 1956

These stations are listed in paragraph 49. "Notes to the Hydrographer".

39. Junctions:

Satisfactory junctions were made on the West with T-11125 N Project Ph-81 compiled in Baltimore, on the East with T-11314 and on the North with T-11309. The Atlantic Ocean is on the South.

40. Horizontal and Vertical Accuracy:

46. Comparison with Existing Surveys:

Comparison was made with the Army Map Service Kiawah Island, S. C. 7½ minute quadrangle, Scale, 1:24,000, published 1943 (1st edition).

Comparison was made with C&GS Air Photo Compilation of 1933, No. T-5154, Scale, 1:20,000.

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-11313.

Geographic Names.

Atlantic Ocean

Charleston County

Johns Island

Kiawah Island

Kiawah River

South Carolina

Names approved 12-6-57.

L. Heck

A.H.

49. Notes to the Hydrographer:

Three monumented recoverable topographic stations were located by graphic methods for use in future hydrographic surveys. They are:

KNEE 1956
MILE 1956
VAN AZIMUTH MARK 1956

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11313

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 X 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 of 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	1849
491	1:20,000	1854	3843	1:20,000	1849
714	1:20,000	1858	4856	1:10,000	1849
964	1:10,000	1864	6074	1:10,000	1849
			5154	1:20,000	1849

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	"	"
Logareville	"	"
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 Cove 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	1928
491	1:20,000	1854	3843	1:20,000	1921
714	1:20,000	1858	4856	1:10,000	1921
964	1:10,000	1864	6074	1:10,000	1921
			5154	1:20,000	1921

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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'
Polly Beach Aer. Polly Cr.	Fixed Bridge	Vt.el.10'	11'
		Horiz.el.57'	54'
Oak Island Cr.	Fixed Bridge	Vt.el. 3'	Stiff cl.
		Horiz.el.28'	

Reviewed by

A. K. Heywood
A. K. Heywood

Approved

H. C. Lande
Chief, Review Branch
Photogrammetry Division

May B. Delitto
Chief, Nautical Chart Branch
Charts Division

[Signature]
Chief, Photogrammetry
Division

[Signature]
Chief, Coastal Surveys
Division

NAUTICAL CHARTS BRANCH

SURVEY NO. 11313

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.