

11309

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-11309
LOCALITY	
State	South Carolina
General locality	Charleston County
Locality	Johns Island
1956	
CHIEF OF PARTY Ira R. Rubottom, Chief of Party V. Ralph Sobieralski, O-in-C., Portland Photogrammetric Office	
LIBRARY & ARCHIVES	
DATE	MAY 23 1958

COMM-DC 61300

11309

DESCRIPTIVE REPORT - DATA RECORD

T - 11309

Project No. (II): 6126

Quadrangle Name (IV): **JOHNS 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):

Mean sea level except as follows: **X**
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): **BRYAN, 1933**

Lat.: **32° 38' 30.589" 942.3m**
(906.0m)

Long.: **80° 05' 01.904" 49.6m**
(1514.2m)

Adjusted **X**
Unadjusted

Plane Coordinates (IV):

State:

Zone:

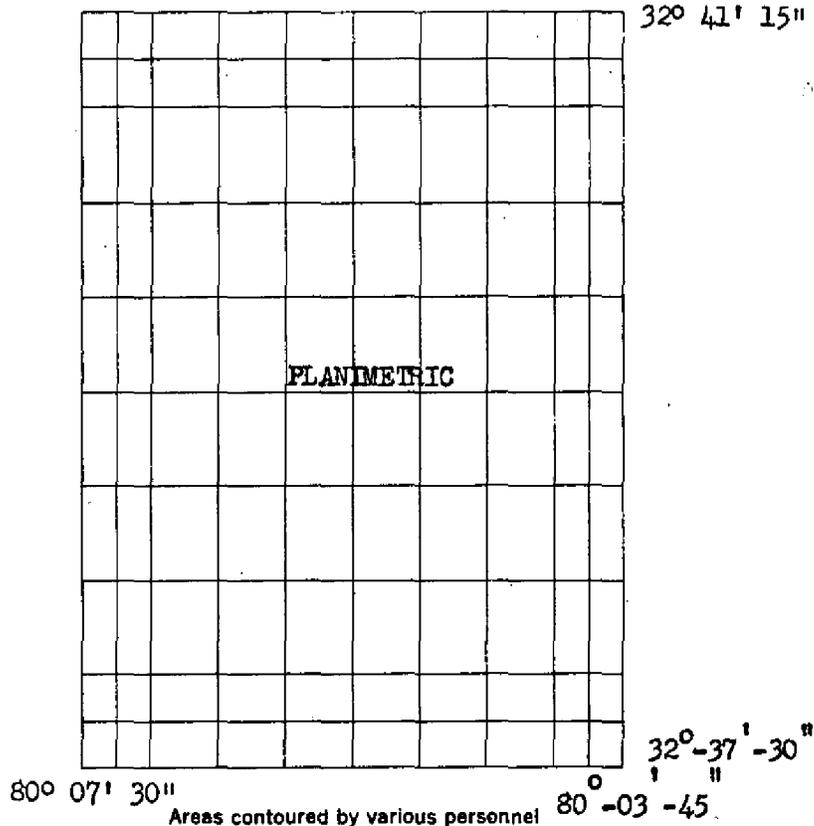
Y=

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**
Leo F. Beugnet
John S. Winter

Date: **Jan., 1956**
Feb., 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 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
Contours

Date:

Date:

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

Date: **2/15/57**
3/22/57
5/29/57

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

Date: **7/22/57**

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

Date:

FIELD INSPECTION REPORT

Project Ph-126

Map Manuscript T-11309

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 Manuscripts No'd. T-11309, T-11310

and T-11313 thru T-11315

Project Ph-126

21. Area Covered:

This photogrammetric plot covers a land area approximately seven miles wide adjacent to the South Carolina Coastline from the Stono River Inlet to the Kiawah River. It comprises Map Manuscripts T-11309, T-11310 and T-11313 thru T-11315.

22. Method:

Methods described in the Photogrammetric Plot Report for T-11306 thru T-11308, T-11311 and T-11312 which is included in the Descriptive Report for T-11306 are applicable to this photogrammetric plot.

All identified horizontal control stations were held and excellent locations were obtained for the photogrammetric points selected for resection.

23. Adequacy of Control:

The identification and density of horizontal control stations were adequate.

24. Supplemental Data:

The Baltimore District Office furnished a control extension they had finished in Project Ph-81 adjoining Project Ph-126 on the west. An excellent junction was completed with this work.

25. Photography:

The photography was adequate as to coverage, overlap and definition.

Approved:

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

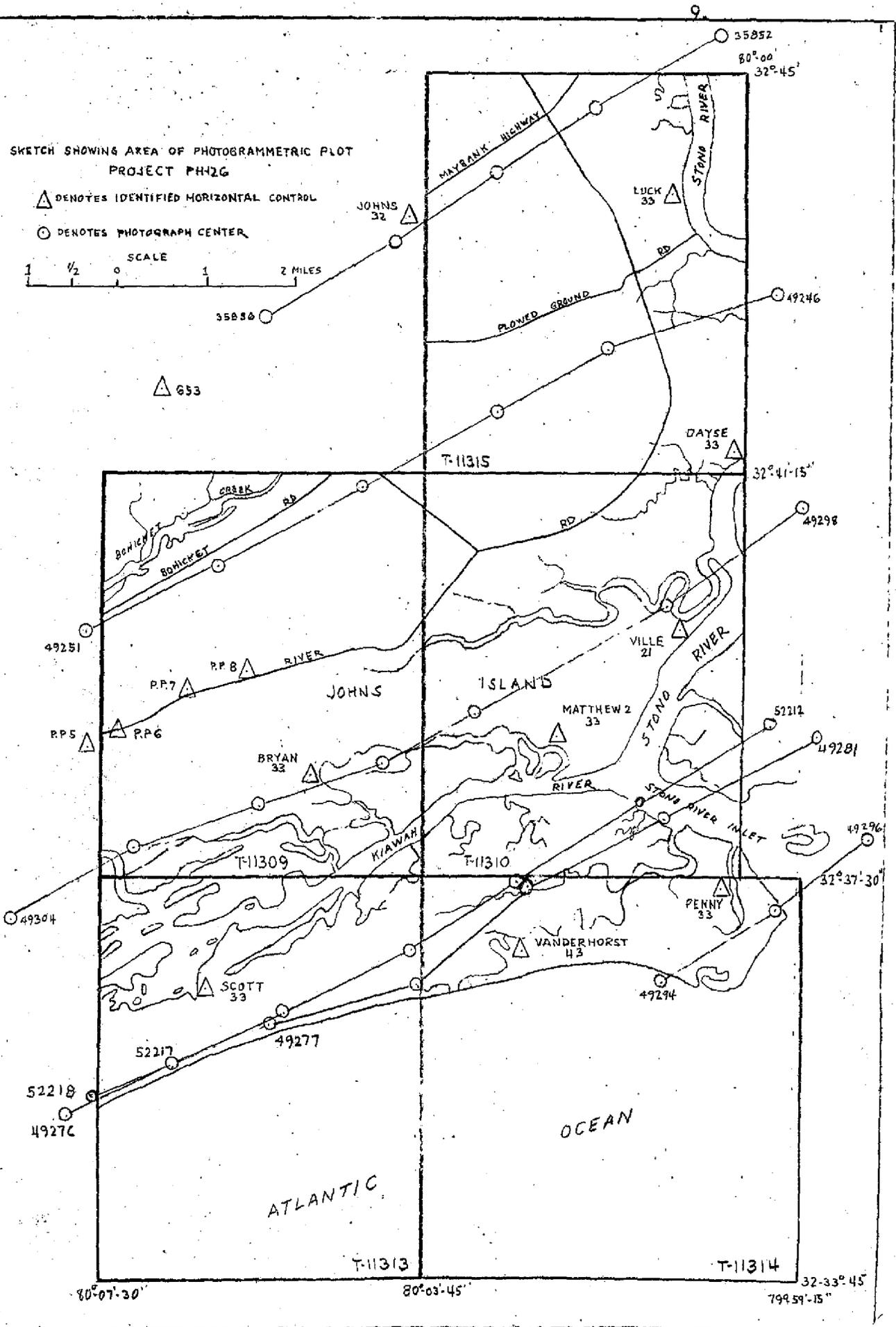
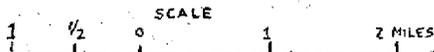
Respectfully submitted;

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

SKETCH SHOWING AREA OF PHOTOGRAMMETRIC PLOT
PROJECT PH2G

△ DENOTES IDENTIFIED HORIZONTAL CONTROL

○ DENOTES PHOTOGRAPH CENTER



COMPILATION REPORT

Map Manuscript T-11309

Project Ph-126

31. Delineation:

Remarks contained in Paragraph 31, "Delineation" of the Compilation Report for T-11306 are applicable to T-11309.

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-11309.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

None

39. Junctions:

A satisfactory junction was made on the West with T-11122 S Project Ph-81 which was compiled in Baltimore, on the East with T-11310 and on the South with T-11313. There is no contemporary survey to the North.

40. Horizontal and Vertical Accuracy:46. Comparison with Existing Maps:

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 Compilation T-5154 of 1933, 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:

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-11309.

Geographic Names.

Abbapoola Creek

Bohicket Creek

Bohicket Road

Bryans Creek

Calvary Church

Chaplin Creek

Charleston County

Johns Island

Johns Island Church and Cemetery

Kia,ah Island

Kia,ah River

Mullet Hall

River Road

St. James Church and Cemetery

South Carolina

Wadmalaw Island

(not Wadmelaw—a BGN decision)

Names approved 12-6-57

L. Heck. L.H.

49. Notes to the Hydrographer:

None.

PHOTOGRAMMETRIC OFFICE REVIEW

T-11309

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 X 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 None

CULTURAL FEATURES

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

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 None 38. Field inspection photographs X 39. Forms X40. _____
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:

M-2623-12

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	1957
491	1:20,000	1854	3843	1:20,000	1922
714	1:20,000	1858	4856	1:10,000	1922
964	1:10,000	1864	6074	1:10,000	1922
			5154	1:20,000	1922

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 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.

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	1882
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

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Pertinent comments applicable to each survey follows:

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66. ADEQUACY OF RESULTS AND FUTURE SURVEYS CONTINUED

T-11307

Refer to Item 4 and 47 of the Compilation Report.

T-11308

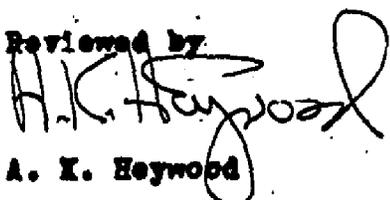
It is recommended that the positions of the north and south jetties be checked by the hydrographer. Refer to Item 25 of the Plot Report and Item 31 of the Compilation Report.

T-11311

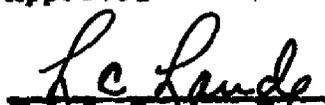
Several Differences exist in clearances between the manuscript and the chart.

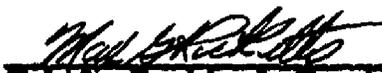
Location	Feature	Chart	Manuscript
East of Peas Island	OVHD CAB	48'	59'
Polly Beach Aer. Polly Cr.	Fixed Bridge	Vt.el.10' Horis.el.57'	11' 54'
Oak Island Cr.	Fixed Bridge	Vt.el. 3' Horis.el.28'	Skiff cl.

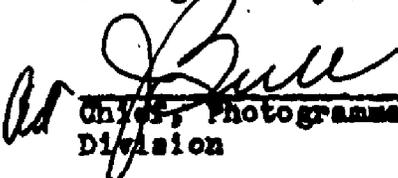
Reviewed by


A. K. Heywood

Approved


Chief, Review Branch
Photogrammetry Division


Chief, Nautical Chart Branch
Charts Division


Chief, Photogrammetry
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	OVERD CAB	48'	59'
Folly Beach Acr. Folly Cr.	Fixed Bridge	Vt.el.10' Horiz.el.57'	11' 54'
Oak Island Cr.	Fixed Bridge	Vt.el. 3' Horiz.el.28'	Skiff cl.

Reviewed by

A. K. Heywood
A. K. Heywood

Approved

Le Lande
Chief, Review Branch
Photogrammetry Division

Maxwell
Chief, Nautical Chart Branch
Charts Division

W. L. ...
Chief, Photogrammetry
Division

J. B. ...
Chief, Coastal Surveys
Division

