10835

Diag. Cht. Nos. 685 and 1243-2.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-5802 *Office No.* T-10835

LOCALITY

State Florida

General locality Vicinity of St. Johns River

Locality Pottsburg Creek

19 58-59

CHIEF OF PARTY

J.P.Randall, Chief of Field Party

A.L.Wardwell, Tampa District Office

LIBRARY & ARCHIVES

DATE October 1961

USCOMM-DC 5087

10835

FORM 181
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

/.

T- 10835

Project No. (II): Ph-5802 Quadrangle Name (IV):

Field Office (II): Jacksonville, Florida Chief of Party: James P. Randall

Photogrammetric Office (III): Tampa, Florida Officer-in-Charge: Arthur L. Wardwell

Instructions dated (II) (III): 3 July 1958 Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Kelsh Plotter

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III): 1:5,000

Scale Factor (III): Pantograph setting 2 to 1

Date received in Washington Office (IV): MAY 3 - 1960 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 1/19/61

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N. A. 1927 Vertical Datum (III): MHW

[redacted] 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): AJ 4 (FGS) 1934

Lat.: Long.: Adjusted [redacted]

Plane Coordinates (IV): State: Florida Zone: East

Y= 2,152,496.77 FT. X= 306,567.98 FT.

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

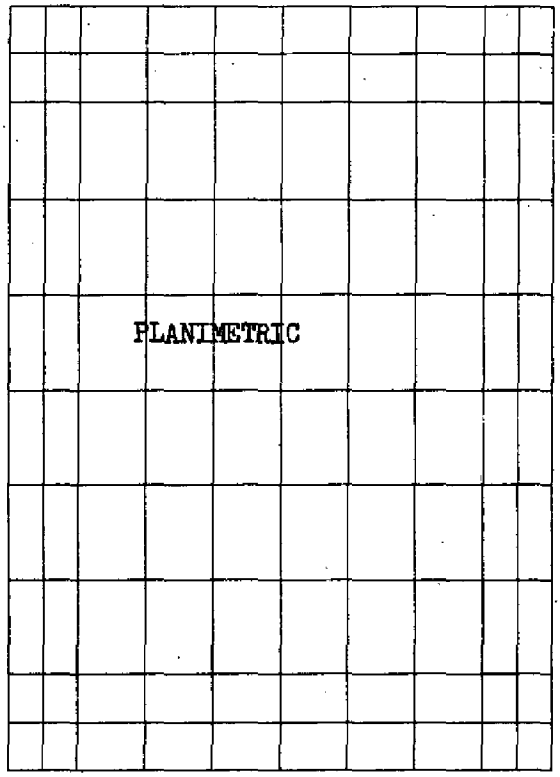
When entering names of personnel on this record give the surname and initials, not initials only.

COMM-DC-57842

FORM 181a
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD



Areas contoured by various personnel
(Show name within area)
(II) (III)

Inapplicable

FORM 181b
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): J. E. Tolodziecki, J. K. Wilson, O. J. Weber — Date: Aug. 1958 - Feb. 1959

Planetable contouring by (II): Inapplicable — Date:

Completion Surveys by (II): Inapplicable — Date:

Mean High Water Location (III) (State date and method of location): Air photo compilation
Date of photography - 8 May 1958

Projection and Grids ruled by (IV): P. Dempsey — Date: 4 Aug. 1958

Projection and Grids checked by (IV): R. Shoup — Date: 4 Aug. 1958

Control plotted by (III): E. T. Ogilby — Date: 19 Feb. 1959

Control checked by (III): E. Pursel — Date: 19 Feb. 1959

Radial Plot or Stereoscopic Control extension by (III): Washington Office — Date: Jan. 1959

Stereoscopic Instrument compilation (III): Planimetry I. I. Saperstein — Date: July 1959
//Contours// — Date:

Manuscript delineated by (III): I. I. Saperstein — Date: July 1959

Photogrammetric Office Review of compilation by (III): W. H. Shearouse — Date: Aug. 1959

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

FORM 181c
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

4

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): Single-lens WILD "S" and "L"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
58-S-3019	8 May 1958	1048	1:10,000 ratio	0.9**
58-S-3020	"	1049	"	"

Predicted Tide (III)

Ratio of Ranges	Mean Range	Spring Range
-	4.5	5.3
0.44	2.0	2.3

Reference Station: MAYPORT
Subordinate Station: JACKSONVILLE (DREDGE DEPOT)
Subordinate Station:

Washington Office Review by (IV): H.Streffler Date: Oct, 1960

Final Drafting by (IV) V. P. Cackowski, Tampa District Office Date: February 1960
" " reviewed by: W.H.Shearouse, Tampa District Office March, 1960
Drafting verified for reproduction by (IV): H.Streffler Date: Oct, 1960

Proof Edit by (IV): H.Streffler Date: 18 Jan. 1961

Land Area (Sq. Statute Miles) (III): 15.6
Shoreline (More than 200 meters to opposite shore) (III): 6.3
~~Shoreline (Less than 200 meters to opposite shore) (III)~~
Control Leveling - Miles (II): Inapplicable
Number of Triangulation Stations searched for (II): 9* Recovered: 5* Identified: 2*
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

*Includes station "BOWDEN" which falls south of map and station "AJ 23" which was recovered and identified for T-11093. (Form 152 for Sub. Pt. AJ 23 is submitted with T-11093)

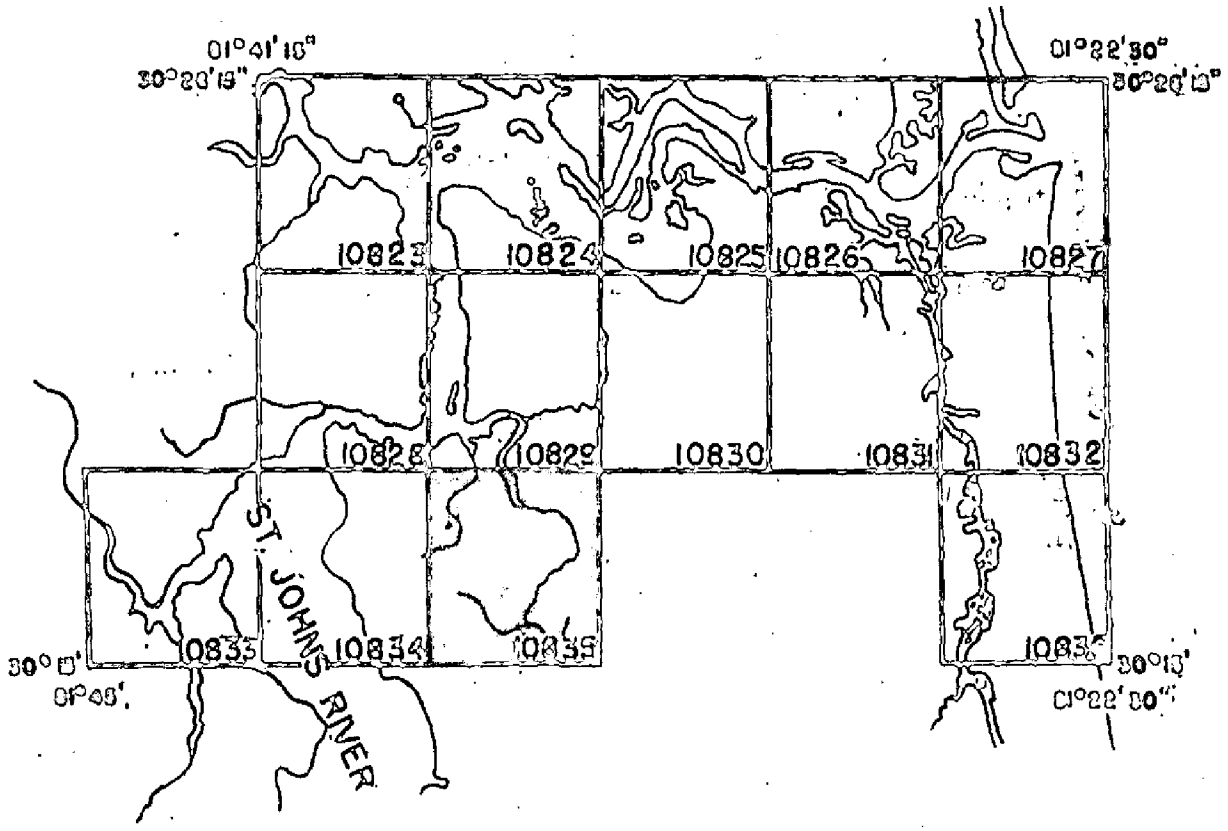
**Accuracy not assured as this portion of creek is approximately 5 miles from subordinate tide station.

COMM-DC-57842

PROJECT PH-5802

Planimetric Mapping

Florida, St. Johns River



Official Milage for Cost Accounts

Sheet No.	Area Sq. Mi.	Lin. Mi. Shoreline
10823	11.9	16.7
10824	8.0	23.4
10825	11.9	34.1
10826	14.3	27.1
10827	6.4	15.8
10828	13.5	9.2
10829	12.7	12.6
10830	12.7	3.8
10831	15.6	10.1
10832	11.1	8.2
10833	10.3	21.5
10834	8.0	7.6
10835	15.6	6.3
10836	17.7	7.2
Total	Area 164.7	Lin. Mi 205.2

SUMMARY
To Accompany Planimetric Map Manuscripts
T-10823 through T-10836

Subject surveys represent Planimetric Mapping Project PE-5802. It consists of fourteen (14) T-sheets, which cover the northern portion of the St. Johns River - from the entrance on the Atlantic Coast to the city of Jacksonville - in the State of Florida.

T-10823 through T-10836 were compiled by stereoscopic instrument methods (Kelsh Plotter) in 1958-59 at the Tampa District Office. The compilations are based on single-lens photography of May 1958 and field inspection of 1958-59. Advanced shoreline information and control (compiled at the Washington Office by stereoplanigraph) was made available to support hydrographic surveys of 1958-59.

The submitted map manuscripts are the result of adequately scribed sheet and after minor corrections and improvements during Washington Office Review, suitable for direct reproduction of permanent file copy.

Cronar film positives at the compilation scale of 1:10,000 and the Descriptive Reports will be registered and filed in the Bureau Archives.

October 1960

THE FIELD INSPECTION REPORT

IS SUBMITTED WITH T-10836

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

181

MAP T-10835 PROJECT NO. 5802 SCALE OF MAP 1:10000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
	Duval Co		2 152 496.77	656 082.3			656 082.3		P.E.T.O	
AJ 4 1934	EGS P-5	NA 27	306 567.98	93 442.1			93442.1			
	Duval Co.		2 173 868.00	662 596.3			662 596.3		—	
AJ 18 1934	EGS P-4	NA 27	312 788.21	95 338.0			95 338.0			
	Duval Co.		2 173 511.04	662 487.5			662 487.5		—	
AJ 20 1934	EGS P-4	NA 27	308 608.47	94 064.0			94 064.0			
	Duval Co.		2 173 180.59	662 386.8			662 386.8			
AJ 21 1934	EGS P-6	NA 27	307 106.84	93 606.3			93 606.4			
			2 147 794.40	654 649.0			654 649.0			
Bowden 1934	DC 68	NA 27	310 101.84	94 519.2			94 519.2			
AJ 23 1934	Duval Co. EGS P6	"	2,171 782.4				661,960.6		181	
			303 251.2				92 431.1			

1 FT. = .3048006 METER

COMPUTED BY: E. Pursel

DATE: 16 February, 1959

CHECKED BY: M.M.S.

DATE: 2/19/59

COMM-DC-57843

COMPILATION REPORT T-10835

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10836.

31. DELINEATION

Compilation was done by Kelsh Plotter. The field inspection was adequate. Many buildings, other than public buildings, indicated by the field inspector were not shown by the compiler.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Streams in the heavily wooded swamps were delineated by the Kelsh Plotter as far as they could be seen. Some streams had been inked on the field photographs by the field inspector, and these were shown thus on the manuscript.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated according to the field inspector's notes. All piers, bulkhead, etc. have been shown. The shoreline inspection was adequate.

No low-water line has been shown.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with T-10829 to the north, T-10834 to the west, USGS Quadrangle ARLINGTON to the east and USGS Quadrangle BAYARD to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS Quadrangle ARLINGTON, FLA., 1:24,000, edition of 1950. The manuscript compares favorably with the quadrangle except for cultural changes.

Comparison has been made with planimetric maps T-5665 and T-5666, 1:10,000, editions of 1939 and 1940. The planimetric maps compare very favorably with the manuscript except for recent cultural changes.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 577, 1:40,000, revised to 10 February 1958, and Chart 685, 1:40,000, revised 17 March 1958. The charts compare favorably with the manuscript in the area covered.

The bluff shown on Chart 685 was omitted from the northwest corner of this manuscript because it was felt to be of insufficient importance to map, after examination under the Kelsh Plotter.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Irving I. Saperstein
Cartographer (Photo)

APPROVED AND FORWARDED

Arthur L. Wardwell
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Azalea Terrace

Bennett Branch
Bowden

Duval County

Englewood

Florida
Florida East Coast RR

Holiday Hill

Kilarney Shores

Little Pottsburg Creek

Pottsburg Creek

Sans Souci
Silversmith Creek
Spring Glen

Tiger Hole Swamp

George M Baer
GEOGRAPHIC NAMES SECTION
4 NOVEMBER 1960

13/14

FORM 182
(6-12-56)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

50

PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T. 10835

1. Projection and grids WHS 2. Title WHS 3. Manuscript numbers WHS 4. Manuscript size WHS

4a. Classification Unclassified

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy WHS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) XX 7. Photo hydro stations XX 8. Bench marks XX
9. Plotting of sextant fixes XX 10. Photogrammetric plot report W.O. 11. Detail points W.O.

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline WHS 13. Low-water line XX 14. Rocks, shoals, etc. XX 15. Bridges WHS 16. Aids to navigation XX 17. Landmarks XX 18. Other alongshore physical features WHS 19. Other alongshore cultural features WHS

PHYSICAL FEATURES

20. Water features WHS 21. Natural ground cover WHS 22. Planetable contours XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features WHS

CULTURAL FEATURES

27. Roads WHS 28. Buildings WHS 29. Railroads WHS 30. Other cultural features WHS

BOUNDARIES

31. Boundary lines WHS 32. Public land lines XX

MISCELLANEOUS

33. Geographic names WHS 34. Junctions WHS 35. Legibility of the manuscript WHS 36. Discrepancy overlay XX 37. Descriptive Report WHS 38. Field inspection photographs WHS 39. Forms WHS

40. William H. Shearouse — Milton M. Slavney

Reviewer: William H. Shearouse

Supervisor, Review Section or Unit: Milton M. Slavney

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:

COMM-DC 34529

Review Report of
Planimetric Map Manuscripts T-10823 through T-10836
October 1960

62. Comparison with Registered Topographic Surveys:

T-411	1:10,000	1853
T-550	1:10,000	1855
T-551	1:10,000	1855
T-552	1:10,000	1855-56
T-712	1:10,000	1858
T-713	1:10,000	1858
T-963	1:10,000	1864
T-965	1:10,000	1864
T-1232b	1:20,000	1871
T-1459a	1:20,000	1876-77
T-2027	1:80,000	1875
T-4068	1:20,000	1924
T-4084	1:20,000	1924
T-5235	1:10,000	1933
T-5664	1:10,000	1935
T-5665	1:10,000	1933-39
T-5666	1:10,000	1933-39
T-5667	1:10,000	1933-39
T-5669	1:10,000	1933-39
T-5670	1:10,000	1939
T-5671	1:10,000	1933
T-5672	1:10,000	1933
T-6376b	1:10,000	1934
T-6487a&b	1:10,000	1934
T-6488a&b	1:10,000	1934
T-11093	1:20,000	1957-58
T-11454	1:10,000	1951-54

Cultural and shoreline changes have been continuous and extensive. Considerable differences exist between topographic survey of 1951-54 and the land area of effected sheet of subject surveys. T-10823 through T-10836 are to supersede above-listed surveys of identical areas and detailing for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

Trout River, Fla.,	1:24,000,	1948,	U.S. Geological	Survey
Eastport, Fla.,	1:24,000,	1948,	"	"
Mayport, Fla.,	1:24,000,	1948,	"	"
Jacksonville, Fla.,	1:24,000,	1948,	"	"
Arlington, Fla.,	1:24,000,	1948,	"	"
Jacksonville Beach, Fla.,	1:24,000,	1948,	"	"

These topographic quadrangles seem inadequate in consideration of all the changes caused by growth and development of subject area.

64. Comparison with Contemporary Hydrographic Surveys:

H-8107	1:10,000	1954
H-8412 (plus add. work)	1:20,000	1958-59
H-8462	1:20,000	1958-59
H-8463	1:10,000	1958-59
H-8464	1:10,000	1959

a. Fort George Inlet as shown on H-8107, has been subjected to considerable changes - see T-10827 for shoreline of 1958-59. Advanced shoreline and control of subject surveys was furnished to aid in the construction of remaining hydrographic surveys (H-8412, 8462 through 8464) and in the comparison, no major differences were noted.

65. Comparison with Nautical Charts:

569	1:40,000	Revised to 12/8 1958
577	1:40,000	" " 12/21 1959
685	1:40,000	2nd Ed. 12/7 1959
1243	1:80,000	Revised to 2/22 1960

There are minor shoreline differences throughout. Considerable differences exist at Fort George Inlet and at the entrance of St. Johns River as depicted on Chart 569 (with inset of these features at scale 1:10,000). Charts 577 and 1243 are effected accordingly. The position of "RIBAULT CHANNEL DIRECTIONAL LIGHT" at the southwest corner of Mayport Basin - as shown on chart 569 - should be corrected also from available information from 1958 and as indicated on T-10827.

Dome Point - Fulton Cutoff Light 40, 1958 at the mouth of Alligator Creek should be added to Chart 577 (see T-10825).

66. Adequacy of Results and Future Surveys:

Subject T-sheets (14) have been compiled according to instructions and meet the requirements of adequacy and accuracy. Future frequent surveys of subject area are recommended because of continuous growth and development.

Reviewed by:

Josef J. Streifler

Approved:

L C Lande
Chief, Review & Drafting Sec.
Photogrammetry Division

E E Wright 10/16/64
Chief, Nautical Charts Division

L. F. Woodcock
Asst. Chief, Photogrammetry Division

J. Bowie
Chief, Operations Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10835

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
7/16/63	636	J.H. Eaton	Fully ~~Before~~ After Verification and Review
6-4-70	685	C.L. Bell	Fully Appl. No Corr. Superseded by BP 63698 ~~Before~~ After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.