

10825

Diag. Cht. No. 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-10825

LOCALITY

State Florida

General locality Duval

Locality St. Johns River

Fulton - Dame Point Cut-Off

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

10825

DESCRIPTIVE REPORT - DATA RECORD

T-10825

Project No. (II): Ph-5802

Quadrangle Name (IV):

Field Office (II): Jacksonville, Fla.

Chief of Party: James P. Randall

Photogrammetric Office (III): Tampa, Fla.

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): 1:5000

Scale Factor (III): Pantographed to 1:10,000

Date received in Washington Office (IV): 1/19/60 Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 1/18/61

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III): MHW

~~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): LOOKOUT TOWER 1934

Lat.: 30°24'24.1622 (758.2m.)

Long.: 81°30'36.170 (965.4m.)

Adjusted
~~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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

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

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **Jerome E. Tolodziecki**
Joseph K. Wilson
Oliver J. Weber

Date: **October 1958**
January 1959
January 1959

Planetable contouring by (II): **Inapplicable**

Date:

Completion Surveys by (II): **Inapplicable**

Date:

Mean High Water Location (III) (State date and method of location): **Jan. 1959 - Air Photo Compilation**

Projection and Grids ruled by (IV): **P. J. Dempsey (W.O.)**

Date: **August 1958**

Projection and Grids checked by (IV): **R. D. Shoup (W.O.)**

Date: **August 1958**

Control plotted by (III): **E. Pursel**

Date: **March 1959**

Control checked by (III): **W. W. Dawsey**

Date: **May 1959**

~~Radar Plot~~ or Stereoscopic **Washington Office**
Control extension by (III):

Date:

Planimetry **W. W. Dawsey**

Date: **June 1959**

Stereoscopic Instrument compilation (III):

Contours **Inapplicable**

Date:

Manuscript delineated by (III): **W. W. Dawsey**

Date: **June 1959**

Photogrammetric Office Review by (III): **W. H. Shearouse**

Date: **November 1959**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **WILD AVIAGON "S" and INFRAGON "L"**

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
58-S-2939 36	8 May 1958	0955	1:10,000 Ratio	+1.7
58-S-2940 37	"	0956	"	+1.7
58-S-2952	"	1005	"	+1.7
58-S-2953	"	1006	"	+1.7
58-S-2954	"	1006	"	+1.7

Predicted

Tide (III)

Reference Station: **MAYPORT FLA**
Subordinate Station: **FULTON FLA**
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	4.5	5.3
-	3.4	4.0

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Date: *2 Aug. 1960*

Date:

Date: *Aug. 1960*

Date: *18 Jan. 1961*

Land Area (Sq. Statute Miles) (III): **11.9**

Shoreline (More than 200 meters to opposite shore) (III): **34.1**

~~Shoreline (Less than 200 meters to opposite shore) (III):~~

Control Leveling - Miles (II): **Inapplicable**

Number of Triangulation Stations searched for (II): **16**

Recovered: **7**

Identified: **2**

Number of BMs searched for (II): **6**

Recovered: **4**

Identified: **1**

Number of Recoverable Photo Stations established (III): **0**

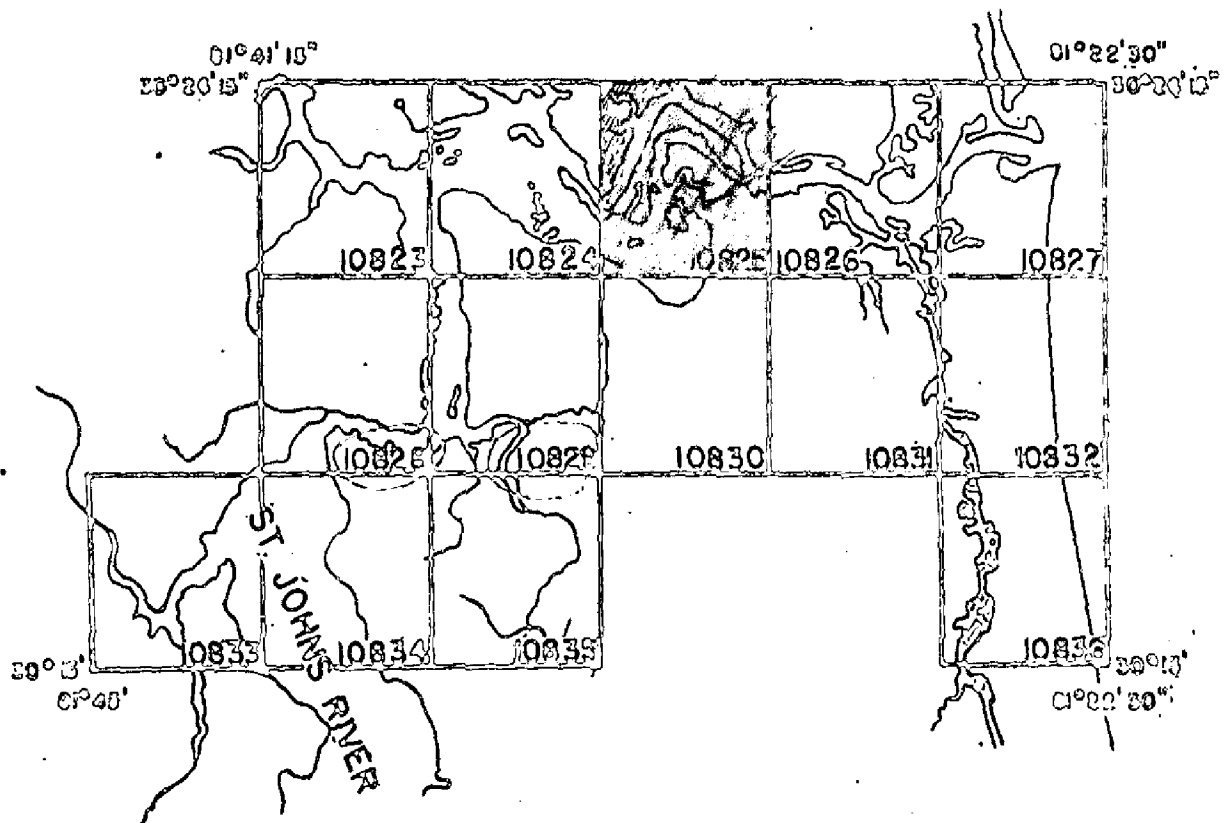
Number of Temporary Photo Hydro Stations established (III): **0**

Remarks:

PROJECT PH-5802

Planimetric Mapping

Florida, St. Johns River



Official Mileage for Cost Accounts

Shoot No.	Area Sq. Mi.	Lin. Mi. Shorline			
10823	11.9	16.7			
10824	8.0	23.4			
10825	11.9	24.1			
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	11.2	8.2			
10833	10.3	21.5			
10834	8.0	7.6			
10835	15.6	6.9			
Total	12.7	8.8	Total	Area 164.7	Lin. Mi. 203.2

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

Subject surveys represent Planimetric Mapping Project PH-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.

Grenar 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-10827

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

MAP T. 118 25 PROJECT NO. 5802 SCALE OF MAP 1:10000 SCALE FACTOR

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 DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
					FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
1934			2,208, 160.97	✓	673,048.82			Plotted 20 Feb 1959			
Lookout Tower	P.C. 67 NA 1927		339, 209.58	✓	103,391.36			Plotted			
Little 1926	P.C. 35 NA 1927		2,204, 850.42	✓	672,039.75						
			341, 298.14	✓	104,027.88						
Calder 2 (USE)	P.C. 35 NA 1927		2,204, 112.38	✓	671,814.80						
			325, 319.64	✓	99,157.62						
Callos 1926	P.C. 35 NA 1927		2,210, 319.76	✓	673,706.82						
			327, 991.81	✓	99,972.10						
Creek 2 (USE) 1926	P.C. 35 NA 1927		2,204, 268.96	✓	671,862.54						
			336, 563.83	✓	102,584.85						
Coon (USE) 1908	P.C. 38 NA 1927		2,209, 232.53	✓	673,375.41						
			333, 592.75	✓	101,679.28						
Vicks 1926	P.C. 35 NA 1927		2,209, 970.85	✓	673,600.45						
			331, 778.39	✓	101,126.26						
Teach (USE) 1908	P.C. 38 NA 1927		2,210, 148.95	✓	673,654.76						
			330, 797.69	✓	100,827.34						
Gator 2 1934	P.C. 67 NA 1927		2,206, 126.69	✓	672,428.76						
			327, 822.91	✓	99,920.62						
Radcl. Ho 2 (USE) 1926	P.C. 35 NA 1927		2,201, 507.88	✓	671,020.95						
			327, 346.65	✓	99,775.44						
Range (USE) 1926	P.C. 35 NA 1927		2,198, 672.49	✓	670,156.7						
			323, 562.93	✓	98,622.2						
Sack 2 (USE) 1926	P.C. 35 NA 1927		2,204, 869.77	✓	672,045.7						
			330, 601.97	✓	100,767.7						

1 FT. = 3048006 METER

COMPUTED BY: E. Purse

DATE 10 Feb 1959

CHECKED BY:

115

DATE

12 Feb 1959

COMM-DC-57843

SCALE OF MAP 1:10000

[illegible]

11 FT. = 3048006 METER
COMPUTED BY: E.

DATE 10 Feb 1957

CHECKED BY: 115

DATE 12 Feb 1959

COMM-DC-57843

COMPILATION REPORT T-10825

PHOTOGRAMMETRIC PLOT REPORT

Submitted with compilation report for T-10827.

31. DELINEATION

The Kelsh Plotter was used. The field inspection was adequate and no problems were encountered in the interpretation of the photographs, excepting some marsh areas where there were glare spots from sun reflection. Most of the large spoil areas that appeared to be of permanent nature have been shown as "open".

32. CONTROL

Reference photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours inapplicable. The drainage was delineated in accordance with the field inspection notes or was self-evident on the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. Alongshore detail, low-water and shoal lines were shown as indicated by the field inspector.

36. OFFSHORE DETAILS

See item 8 of the field inspection report.

37. LANDMARKS AND AIDS

All landmarks and aids are listed on form 567.

38. CONTROL FOR FUTURE SURVEYS

None established.

39. JUNCTIONS

Junctions have been made with T-10824 to the west, T-10826 to the east, T-10830 to the south. No contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with planimetric maps T-5670 and T-5671, scale 1:10,000, compiled from photographs of 1933. The major change is the three mile long FULTON-DAME POINT CUTOFF which straightened the channel of this part of the St. Johns River. Reed Island is no longer an island, being connected to the mainland by the spoil from dredging the cut-off, however the name has been retained for its local significance.

Comparison was made with U.S.G.S. Quadrangle Eastport, Fla., scale 1:24,000, edition of 1950. The same large differences exist that were mentioned in the preceding paragraph.

47. COMPARISON WITH NAUTICAL CHARTS

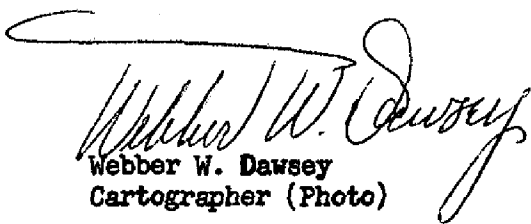
Comparison was made with C&GS Chart No. 577, scale 1:40,000, revised to the 10th of February 1958. The chart and this survey are in agreement, - the new cut-off being shown on the chart.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

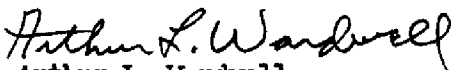
None.

ITEMS TO BE CARRIED FORWARD

None.


Webber W. Dawsey
Cartographer (Photo)

APPROVED AND FORWARDED


Arthur L. Wardwell
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Alligator Creek
Alligator Island

Back River
*Browns Creek
*Browns Island

Clapboard Creek
Coon Point

*Dame Point
Duval County

Florida
Fitzpatrick Creek
Fulton
Fulton-Dame Point Cutoff

Le Baron Island
Live Oak Creek
Little Clapboard Creek
Little Marsh Island

Mill Cove

New Berlin
Nichols Creek

Pelotes Island

Quarantine Island

Radcliffe Island
Reed Island
Round Top

*San Carlos Creek
Shipyard Creek
*St Johns River

Vicks Island

* B.G.N. Decision

George M. Bae
GEOGRAPHIC NAMES SECTION
21 OCTOBER 1960

STRIKE OUT TWO

Tampa, Florida

19 November 1959

The positions given have been checked after listing by

Webster W. Darsey

Arthur L. Harpell

Chief of Party.

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. Revisions shall show both the old and new positions. 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.

USCOMM-DC 27126

TO BE CHARTED
TO BE REVISED
TO BE DENIED

NONFLUENT AIDS OR LANDMARKS FOR CHARTS

Tampa, Florida

~~6561 - 3306266 61~~

I recommend that the following objects which have ~~(hasse-not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(detent-from)~~ the charts indicated.

The positions given have been checked after listing by

Robert W. Darsey

Chief of Party.

Arthur J. Warkentin

[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. Revisions shall show both the old and new positions. 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.

*** TABULATE SECONDS AND METERS**

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10825

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

Unclassified

Classification label

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 WHS 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 WHS 14. Rocks, shoals, etc. WHS 15. Bridges WHS 16. Aids to navigation WHS 17. Landmarks WHS 18. Other alongshore physical features WHS 19. Other along-shore 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 XX 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 MMS 38. Field inspection photographs WHS 39. Forms WHS

40. William H. Shearouse

William H. Shearouse

Milton M. Slavney
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.

Complier

Supervisor

43. Remarks:

16

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

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 "RIBAUT 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). *Lt. "40" removed in 1959 JJS*

- 3 -

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:

Joseph J. Streifler
Joseph J. Streifler

Approved:

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

J. E. Hughes 10/16/61
Chief, Nautical Charts Division

L. F. Woodcock
Chief, Photogrammetry Division

J. Bowce
Chief, Operations Division

Asst.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10825

Record of Application to Charts

[illegible]

M-216B-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.