

10823

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-10823

LOCALITY

State Florida

General locality Duval County

Locality Trout River

1958-59

CHIEF OF PARTY

J.P.Randall, Chief of Field Party

A.L.Wardwell, Tampa District Office

LIBRARY & ARCHIVES

DATE October 1961

USCOMM-DC 5087

10823

DESCRIPTIVE REPORT - DATA RECORD

T-10823

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): Stereoscopic instrument (Kelsh Plotter)

Manuscript Scale (III): 1:10,000

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

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

Date received in Washington Office (IV): 8/4/60 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 low water~~ 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): DUVAL SOUTH BASE 1932

Lat.:

Long.:

Adjusted
~~coordinates~~

Plane Coordinates (IV):

State: Florida ✓

Zone: East

Y= 2,210,666.72 Ft.

X= 294,722.13 Ft.

Roman numerals indicate whether the item is to be entered by (I) Field Party, (II) 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)**

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **Jerome E. Tolodziecki**
Joseph K. Wilson
Oliver J. Weber Date: **Oct. 1958**
Feb. 1959
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 (W.O.)** Date: **Aug. 1958**

Projection and Grids checked by (IV): **R. D. Shoup (W.O.)** Date: **Aug. 1958**

Control plotted by (III): **E. Pursel** Date: **Feb. 1959**

Control checked by (III): **W. W. Dawsey** Date: **Feb. 1959**

~~Reading Plotter~~ Stereoscopic Date: **Jan. 1959**

Control extension by (III): **Washington Office**

Planimetry **W. W. Dawsey** Date: **Sept. 1959**

Stereoscopic Instrument compilation (III):
~~CHECKED~~ Date:

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

of compilation
Photogrammetric Office Review/by (III): **I. I. Saperstein** Date: **Nov. 1959**

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

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **Single-lens Wild "S"**

Number	Date	Diapositives		Scale	Stage of Tide
		Photo	(II)		
58S2930	8 May 1958			1:25,000	± 0.9
" 2931	"			"	"
" 2932	"			"	"
" 2958	"			"	± 1.0
" 2959	"			"	"
" 2960	"			"	"

Predicted Tide (III)

Reference Station: **Mayport Fla.**
Subordinate Station: **Dame Point, Phoenix Park**
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
--	4.5	5/3
0.56	2.5	2.9

Washington Office Review by (IV): *W. Streifer*
Final Drafting by (IV): **V. P. Cackowski, Tampa District Office**
W. W. Dawsey, " " "
" " Reviewed by: **W. H. Shearouse Tampa District Office**
Drafting verified for reproduction by (IV): *W. Streifer*
Proof Edit by (IV): *W. Streifer*

Date: *Aug. 1960*
Date: **Mar. 1960**
Date: **Apr. 1960**
Date: **May 1960**
Date: *Aug. 1960*
Date: *18 Jan. 1961*

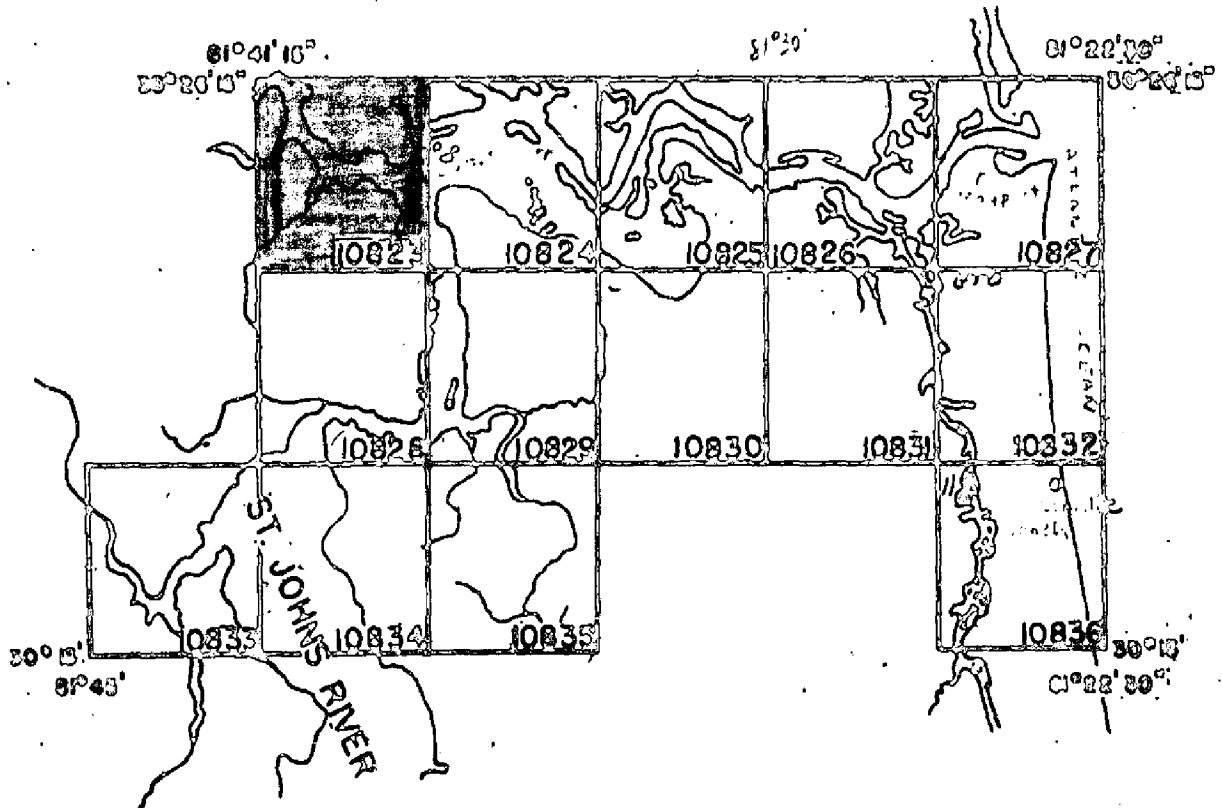
Land Area (Sq. Statute Miles) (III): **11.9**
Shoreline (More than 200 meters to opposite shore) (III): **16.7**
~~Shoreline (Less than 200 meters to opposite shore) (III):~~
Control Leveling - Miles (II): **Inapplicable**
Number of Triangulation Stations searched for (II): **10*** Recovered: **4*** Identified: **4***
Number of BMs searched for (II): **None** Recovered: Identified:
Number of Recoverable Photo Stations established (III): **3****
Number of Temporary Photo Hydro Stations established (III): **None**

Remarks: * Including those stations outside map and project limits
** Natural objects - no Form 524 submitted

PROJECT PH-5802

Planimetric Mapping

Florida, St. Johns River



Official Millage for Cost Accounts

Sheet No.	Area Sq. Mi.	Lin. Mi. Sharline			
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	19.6	6.3			
10836	12.7	8.8			
			Total	Area	Lin. Mi.
				164.7	205.2

6

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.

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

FIELD INSPECTION REPORT
SUBMITTED WITH T-10824

MAP T. 10, R. 23 PROJECT NO. 5802 SCALE OF MAP 1:10,000 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		DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
AA 1 1934	Duval Co. F65 P-3	NA 27	2213 273.67 295 483.20	674 607.2 90 063.5	-	-	WWD P.L.S.P. v W.D.		
AA 2 1934	Duval Co. F65 P-3	NA 27	2216 775.36 296 576.18	675 674.5 90 438.3	-	-	WWD P.L.S.P. v W.D.		
AA 4 1934	Duval Co. F65 P-3	NA 27	2220 068.55 288 234.25	676 678.5 87 444.9	-	-	WWD P.L.S.P. v W.D.		
AA 5 1934	Duval Co. F65 P-3	NA 27	2219 970.97 280 137.90	676 648.5 85 386.2	-	-	W.A. Proj.		
AB 1 1934	Duval Co. F65 P-4	NA 27	2193 248.85 271 457.51	668 509.9 82 748.8	-	-	W.A. Proj.		
AB 2 1934	Duval Co. F65 P-4	NA 27	2194 173.22 270 473.11	668 785.3 82 449.4	-	-	W.A. Proj.		
Duval South Base 1932	PC-4	NA 27	2210 666.72 294 722.13	673 812.6 89 846.4	-	-	P.L.S.P. v W.D.		
Riverview 1932	PC-4	NA 27	2209 930.18 282 058.22	673 508.1 85 971.5	-	-	P.L.S.P. v W.D.	West of Proj.	

COMPILATION REPORT

T-10823

PHOTOGRAMMETRIC PLOT REPORT

Submitted by the Washington Office and is bound with T-10827.

31. DELINEATION

Manuscript was delineated using the Kelsh Plotter.

The field inspection was generally adequate. The field inspector has shown the two railroad bridges across the Trout River as double track bridges. After very careful inspection of the photographs and examining all available maps, these bridges appear to be single track trestles and are thus shown. Specific attention is called to C & G S map T-5669 which labels one a "one track trestle".

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

Two (2) maps were used in clarifying roads, railroads and boundaries.
1. Print of Imeson Airport.
2. Print of Navy Fuel Depot.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high-water line was delineated using the field inspector's notes. Shoreline inspection was adequate. The low-water line was delineated where indicated by the field inspection. All alongshore details were shown as indicated excepting the bridges discussed in Item 31.

36. OFFSHORE DETAILS

All offshore details were shown according to the field inspection.

The field inspector noted on field inspection photos only 58 S 29 59, that the old highway (17) bridge crossing Trout River was "being taken out" (4 Feb. 59). It was established later that only the center portion had been removed and the remainder retained for fishing purposes. See Nautical Chart letter # 243 (1959) - 4 March 1959 - J. Shufeldt.

37. LANDMARKS AND AIDS

No non-floating aids to navigation were located.

Two (2) landmarks for charts and one aeronautical aid were located and are reported on Form 567.

38. CONTROL FOR FUTURE SURVEYS

Three natural objects were established as topographic stations. Their usefulness to the hydrographer is unknown and they have not been listed under Item 49.

39. JUNCTIONS

Junctions have been made with the following:

T-10824 to the east; T-10828 to the south.

This survey lies within the southeast quarter of USGS. Quadrangle TROUT RIVER FLA. Junction of details appears to be satisfactory except for recently constructed roads, etc.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS Quadrangle TROUT RIVER 1:24,000 Edition of 1950. Except for the man-made changes that have occurred, the comparison was favorable.

Comparison has been made with Planimetric map T-5669, 1:10,000 surveyed to 1939. In general the same differences exist as mentioned in the foregoing paragraph.

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Tampa District Office
P O Box 190 Tampa 1 Florida

6 August 1959

To: Chief, Photogrammetry Division
Coast and Geodetic Survey
Washington, D. C.

Subject: Geographic Names in Ph-5802

The Field Inspection Report for Ph-5802 recommends all "names checked in red" on a "recent map of Jacksonville". This office is in doubt about the desirability of showing all these subdivision names and solicits your advice.

There are enclosed copies of pages 12 and 13 (GEOGRAPHIC NAMES) from the Field Inspection Report for Ph-5802, and two U.S.G.S. quadrangles sent by the Washington Office to use as Name Sheets. The "checked" names are circled in red on the overlay of the Jacksonville map and some conflicts are noted. The maps concerned are now being compiled and your early attention is invited.

Arthur L. Wardwell
CDR, C&GS, Tampa District Office

William A. Ragure
By direction of the District Office

WAS/o

732/rrj

10 August 1959

To: Tampa District Officer
Coast and Geodetic Survey
P. O. Box 190
Tampa 1, Florida

Subject: Geographic Names, Project PH-5802

Reference: Your letter, same subject, dated
6 August 1959

Reference letter and associated data were referred to the Geographic Names Section for checking and their recommendation. Their comments appear in blue wax pencil on the overlay cover.

All names are acceptable and should be mapped except that HOGAN and OAKWOOD VILLA are to be omitted and BOWDEN, LARSEN, ST. NICHOLAS and SOUTH JACKSONVILLE are to be retained as names recommended for mapping.

Your office shall make copies of this and the reference letter a part of each descriptive report written for this project.

Data forwarded with reference letter are being returned herewith.

J. E. Waugh, Acting Chief
Photogrammetry Division

Enclosures

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 577, scale 1:40,000, revised to 22 June 1959.

The chart and manuscript appear to be in good agreement with the exception of four geographic names (Cedar Heights, Panama Park, Sandly Point, and Phoenix Park) shown on the chart and "not recommended" on the Geographic Name Sheet.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

W. W. Dawsey
W. W. Dawsey
Cartographer (Photo)

Approved and Forwarded:

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

48. GEOGRAPHIC NAME LIST

Atlantic Coast Line

Blockhouse Creek
*Broward River

Cedar Creek

Drummond Creek
Duval County

Edges Branch

Fairview Point
Florida

Highlands
Holly Ford

Imeson Airport

*Jacksonville

Lake Forest
Lake Forest Hills

Moncrief Creek

North Shore
Norwood

*Ribault River
Riverview

Seaboard Air Line
*St Johns River

*Trout River
Turner Pond

* B.G.N. Decision

George M. Bree
GEOGRAPHIC NAMES SECTION
22 OCTOBER 1960

~~MONTEGOMERY ADRIAN~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~REVISIONS~~
~~XXXXXXXXXX~~

~~Montgomery~~ Tampa Florida

5 May 1960

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

The positions given have been checked after listing by _____

E. H. Daussey

Arthur L. Hardwell

Chief of Party.

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE*		LONGITUDE*								DATUM
				D. M. METERS	° / '	D. M. METERS	° / '							
TANK	FLORIDA	Skeleton steel, Water ht= 120 (130)		30 22	81 38	15.02 101	N.A. 1927	Photo Plot Sept 1958	X	X		577 1263		
TANK	FLORIDA	Skeleton steel, water ht= 110(155)		30 23	81 40	17.67 108	N.A. 1927		X	X				
		* Month and year taken from field inspection photographs												

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

NONFLIGHTING AIDS OR LANDMARKS FOR NAUTICAL CHARTS

TO BE CHARTED
~~TO BE REVIEWED~~
~~TO BE DELETED~~
~~TO BE DELETED~~ } STRIKE OUT TWO

Tampa Florida 5 May 1960

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

The positions given have been checked after listing by

W. V. Daussey

Arthur L. Wardwell Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION			N.A. DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED		
				LATITUDE*	LONGITUDE*					NEARSHORE CHART	INSHORE CHART	OFFSHORE CHART
				D.M. METERS	° ' "	D.P. METERS						
FLORIDA	AERO	Skeleton steel revolving light on central tower bta 5(110)		30 25	82 38	48 22	1927	Photo Plot T-10823	Sept. 1958			Jacksonville
		*Month taken from field inspection photographs; day of month not available.										

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if determined, 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

PHOTOGRAMMETRIC OFFICE REVIEW of ADVANCE MANUSCRIPT

50.

T. 10823

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

Classification label unclassified

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy W.O. 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) WHS 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 WHS 14. Rocks, shoals, etc. XX 15. Bridges WHS 16. Aids to navigation XX 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 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 W. H. Shearouse Reviewer
W. M. Starneg W. M. Starneg 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 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).

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
Josef J. Streifler

Approved:

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

J. E. Waugh 10/16/61
Chief, Nautical Chart Division

L. J. Woodcock
Ass't. Chief, Photogrammetry Division

J. Bowie
Chief, Operations Division

5802

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey **PHOTOGRAMMETRIC SUPPORT TO
EAST COAST FIELD PARTY**

Field No. *Office No.*

LOCALITY

State **FLORIDA**

General locality **DUVAL COUNTY**

Locality **ST. JOHNS RIVER-DRUMMOND POINT TO
ORTEGA TERRACE
ATLANTIC COAST-ST. JOHNS POINT TO
JACKSONVILLE BEACH**

19.....

CHIEF OF PARTY

ROBERT S. TIBBETTS

LIBRARY & ARCHIVES

DATE

REPORT OF PHOTOGRAMMETRIC SUPPORT
TO
EAST COAST FIELD PARTY

PROJECT: GS-407 St. Johns River at Jacksonville, Florida and
Atlantic Ocean South and East of St. Johns
River Jetties.

15 September 1958 - 17 March 1959

A. PURPOSE AND SCOPE OF SUPPORT

Photogrammetric support for hydrographic operations by the East Coast Field Party was performed by a sub-unit of Photo Party No. 725 under the instructions for project GS-407 dated 7 August 1958. The field party was supplied with all necessary control. Signals were constructed, located, and transferred to the boat sheets by the Photogrammetrist.

B. CONTROL

Nearly all hydrographic control stations were based on triangulation, topographic, or photogrammetric location. A few stations were located by a sextant fix or astro, as was necessary in several instances. All triangulation was plotted by geographic position and all topographic signals were pricked through from the black line impressions. Photogrammetric control stations were located principally by the radial plot method. The method of holding nearby detail points of equal elevation was also used to a lesser extent.

All photogrammetric data were on 1:10,000 scale. Sheet SCPT 2758 was on 1:20,000 scale. The signals were located photogrammetrically on the 1:10,000 scale manuscript and then transferred to the boat sheet by the accepted radial transfer method for change of scale. A blue line tracing at the scale of 1:20,000 was furnished by the Washington Office.

C. BOAT SHEETS

Three boat sheets were prepared by the East Coast Field Party. The shoreline, prior soundings, and triangulation were placed on the sheets by the East Coast Field Party. Topographic stations and photo-hydro stations were transferred to the boat sheets by the photogrammetrist.

An insert at 1:5,000 scale was made of a portion of sheet SCPT 1758. Shoreline for the insert was made with the use of the vertical map projector, and transferred to the boat sheet by the photogrammetrist.

D. STATUS OF SHEETS

At the time of this writing, all sheets were nearly complete in all respects. These sheets will be completed before the East Coast Field Party leaves the project area this Spring.

E. PHOTOGRAMMETRIC DATA

For photogrammetric data forwarded to the Chief, Division of Photogrammetry, see the last page of this report.

While not engaged in photo-hydro support, the photogrammetrist assisted Mr. Joseph K. Wilson in all phases of photogrammetric field surveys on project PB-3002.

Respectfully Submitted:

Othmar J. Weber
LEIS 0208

Approved:

Robert S. Ribbotts
Acting Chief of Party

LIST OF CONTROL STATIONS

PROJECT CS-407

SHEET ROP-4770

STATION	ORIGIN	MANUSCRIPT	
I. TRIANGULATION:			
AIN	YACHT, 1934	T-10053	
FIN	VINCEN, 1934	33	
NON	JACKSONVILLE, PARK LANE APT., CHICKNEY, 1932	34	
II. TOPOGRAPHIC:			
DOW	TANK, 1938	T-10034	
ELN	TANK, 1938	34	
OUT	E.V.T.R. (WGA - CH 12), 1950	28	
PIT	E.V.T.R. (MOR - CH 4), 1950	28	
WAX	SOUTHSIDE BAPTIST CHURCH SPIRE, 1938	34	
III. PHOTO-VIDEO:			
ACH	T-10038	KIN	T-10028
ALP	34	LNY	33
AMH	34	LIZ	28
BAT	33	MOO	28
BON	34	MOT	33
BOX	28	NIL	28
BUE	34	NON	28
CAF (a)	34	ONN	28
CAT	28	OIL	28
CUP	33	ORA	33
DES	33	PIE	28
DON	34	RAH	28
DUG	28	SIN	28
EAN	33	SIS	28
EAT (a)	33	TOY	28
FAR	33	TRY	28
FAT	28		
FIR	28		
GAD	33		
GHI	28		
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HAT	28		
HED	28		
HIS	33		
IES	33		
JAN	28		
JEN	28		
JUT	28		
KED	28		

(a) Signal located by contact fix or cuts.

LIST OF CONTROL STATIONS

PROJECT CS-407

GREEN RFR-1438

STATION	ORIGIN	MANUSCRIPT
I. TRIANGULATION:		
ABE	JACKSONVILLE, EPPINGER & RUSSELL CONSTRUCTING WORKS, RED BRICK ST/CK, 1926	T-10329
BARK	BARK (USE), 1908	29
BEN	BEN (USE), 1908	29
CON	MATTHEWS (USE), 1908	29
LAW	BRIDGE # (USE), 1926	29
MEN	MURKIN POINT (USE), 1926	T-10324 (2)
POP	JACKSONVILLE, FORD MOTOR CO. WATER TANK, 1926	29
RAT	HIGHLOW (USE), 1908	29
TEB	JACKSONVILLE, WILCOX-ROCHER FERTILL. ZEP CO. WATER TANK, 1926	29
TAT	GRAB (USE), 1908	T-10324 (2)
VIN	JACKSONVILLE, ARMOUR FERTILIZER CO. WATER TANK, 1926	29
YES	JACKSONVILLE CITY FIRE STA. J 44, WATER TANK, 1926	29
II. TOPOGRAPHIC:		
BAG	TANK, 1926	T-10324
BNH	BLAKE, 1927	29
JAY	LONG BLANCH RANGE FRONT LIGHT 75	29
KRY	SHOUT RIVER RANGE FRONT LIGHT	T-10324 (1)
LOS	SHOUT RIVER RANGE REAR LIGHT	24 (1)
HUB	ARLINGTON CUT RANGE FRONT LIGHT TANK, 1927	29
HUT	T.V.T.R. (WMA - CH 12), 1953	28
OUT	T.V.T.R. (WMA - CH 4), 1953	28
FIT	CITY LIMITS RANGE FRONT LIGHT	29
POP	LONGWOOD CREEK RANGE FRONT LIGHT	24 (2)
FUT	CITY LIMITS RANGE REAR LIGHT	29
SHB	HILLS CUT RANGE FRONT LIGHT	24 (2)
SUB	TANK, 1926	29
ZAG		29

III. PHOTO-HYDRO:

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LIST OF CONTROL STATIONS

PROJECT OS-407

SHEET NO. 2558

	<u>STATION</u>	<u>ORIGIN</u>	<u>MANUSCRIPT</u>
I. TRIANGULATION:			
	LIO	ST. JOHN'S LIGHTHOUSE, 1954	T-10027
	PAL	JACKSONVILLE BEACH BLANK MUNICIPAL WATER TANK, 1938	36
	RIR	FORT GEORGE ISLAND, REHABILIT CLUB, WATER TANK, 1929	27
	TEL	ATLANTIC BEACH HOTEL WATER TANK, 1932	32
II. TOPOGRAPHIC:			
	BRA	BANK BRACKEN, 1954	T-10027
	TAN	TANK, 1953	32
	DEB	TANK, 1950	(*)
III. PHOTO-METRIC:			
	AOT	T-10027	T-10032
	AMT	32	32
	SED	27	32
	BOA	32	32
	COE	32	36
	CUE	27	32
	DEK	27	32
	DUH	32	36
	EVA	32	32
	FOE	32	36
	GAD	32	27
	HBT	32	36
	ICE	32	27
	JAP	32	27
	KIN	32	32
	LES	32	32
	MAG	32	32
	MEM	32	32
	ODD		T-10032
	PET		32
	QED		32
	RIN		32
	SOL		36
	SUB		32
	TCM		32
	TRY		36
	USE		32
	VAN		36
	VEI		27
	VAS		36
	WIG		27
	YAK		32
	YEA		27
	ZNO		32
	ZOO		27

(*) The position of this text was obtained from a print of May Manuscript T-9506 which is submitted with the black line impressions.

LETTER TRANSMITTING DATA

DATE

6 *apr*
13 March 1970

TO: CHIEF, DIVISION OF GEOGRAPHY
Coast & Geodetic Survey
Dept of Commerce Building
Washington 25, D. C.

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY (Check):

- ORDINARY MAIL
- AIR MAIL
- EXPRESS
- REGISTERED MAIL
- G.B.L. (Give number) _____

DATA WERE FORWARDED (Date)

13 March 1970

(NOTE - A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or for transmitting accounting documents.)

1 Discipline impressions, 1:10,000 scale of the following: 2-10000, 2-10000 (1)
2-10000 (2), 2-10007, 2-10020, 2-10029, and 2-10033 thru 2-10036

1 Control point of Topographic Monument 2-9304

1 Control point each of the following (containing field edit data): 2-10003
2-10004 (2), 2-10007 thru 2-10029, and 2-10033 thru 2-10035.

1:10,000 scale field ratio prints: 50-0-2023, 2040, 2056, 2070, 2073, 2080,
2083, 2087, 2099, 2000, 2002, 2006, 2013, 2016, and 2017.

1:10,000 scale pantype ratio prints: 50-0-2023 thru 2070, 2070 thru 2073
2073 thru 2000, 2016 thru 2021, 2023 thru 2021, and 2005 thru 2020.

Oliver S. Weber
Chief, Sub-unit

(Signature)

Photo Party 789

Division of Party
P. O. Box 6370
Jacksonville 11, Fla.

Location

RECEIVED
THE ABOVE

NAME

TITLE

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10823

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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			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.