

11093

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-40 Office No. T-11093

LOCALITY

State Florida

General locality Orange Park

Locality St. Johns River

19/ 57-58

CHIEF OF PARTY

A.L.Wardwell, Tampa Photo. Office

L.W.Swanson, Div. Photo. Wash., D.C.

LIBRARY & ARCHIVES

DATE December 17, 1960

6-1870-1 (1)

11093

DATA RECORD

T-11003

Project No. (II): 10000-808

Quadrangle Name (IV):

Doctors Inlet to Ortega River

Field Office (II): Orange Park, Florida

Chief of Party: A. L. Wardwell

Photogrammetric Office (III): Washington, D. C.
and Tampa, Florida

Officer-in-Charge: L. W. Swanson
A. L. Wardwell

Instructions dated (II) (III): 6 January 1958

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Stereotriangulation-Stereoplanigraph, Compilation-
Stereoplanigraph and graphic and Kelsh Plotter

Manuscript Scale (III): 1:20000

Stereoscopic Plotting Instrument Scale (III): 1:15000
(Kelsh) 1:4736

Scale Factor (III): 1.0

Date received in Washington Office (IV):

81 MAR 1958

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

6/11/59

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): NAD 1927

Vertical Datum (III): MHW

Mean sea level except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (2) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III):

DUPONT

YACHT, 1934

Lat.: 30°14'51.305" (1579.8 m)

Long.: 81°38'32.553" (870.3 m)

Adjusted
Unadjusted

Plane Coordinates (IV):

State: Florida

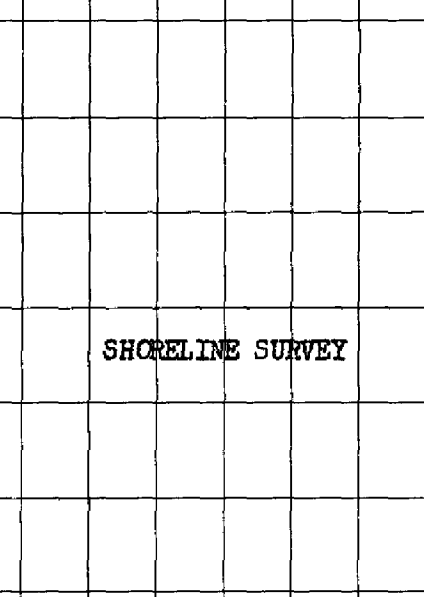
Zone: East Zone (3)

Y = ~~2,152,216.76~~
2,150,455.00

X = ~~282,147.91~~
297,164.83

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.



SHORELINE SURVEY

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

2

DATA RECORD

Field Inspection by (II): W. M. Reynolds
G. D. Bradford

Date: January 1958

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location):

Field Inspection - January 1958

Office identification - Date of Photography

Projection and Grids ruled by (IV): J. R. Haskins

Date: 1-14-58

Projection and Grids checked by (IV): I. Y. Fitzgerald

Date: 1-24-58

Control plotted by (III): K. N. Maki

Date: 2-27-58

Control checked by (III): R. E. Fuechsel

Date: 2-27-58

Radial Plot or Stereoscopic

Date: February 1958

Control extension by (III): George Ball, Robert Fuechsel

Planimetry George Ball
Stereoscopic Instrument compilation (III): John Perrow, Jr.
~~Controlled by~~ W. W. Dawsey

Date: February-March
1958

Date: May 1958

Manuscript delineated by (III): Willard A. Kuncis
W. W. Dawsey

Date: 3-10-58
June 1958

Photogrammetric Office Review by (III): M. M. Slaney

Date: June 1958

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

Date:

Camera (kind or source) (III):

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time	E.S.T.		
57-W-454 thru 474	21/11/57	10:00-10:05 AM		1:24,000	0.86ft.above MLW
475 thru 488	21/11/57	10:10-10:17 AM		1:24,000	" " "

Note:

This is equivalent to:
0.16 feet above MTH
0.51 " " MSL

Tide (III)

Reference Station: MAYPORT, FLORIDA
Subordinate Station: ORANGE PARK, FLORIDA
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	4.5	5.3
0.16	0.7	0.8

Washington Office Review by (IV):

W. Streifer

Date: *May 1959*

Final Drafting by (IV):

by scribing at Tampa Office

Date: *1958*

Drafting verified for reproduction by (IV):

W. Streifer

Date: *May 1959*

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): *33.8*

Shoreline (More than 200 meters to opposite shore) (III): *33*

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): ***54*

Recovered: *23*

Identified: *25*

Number of BMs searched for (II): ***7*

Recovered: *5*

Identified: *2*

Number of Recoverable Photo Stations established (III): *4*

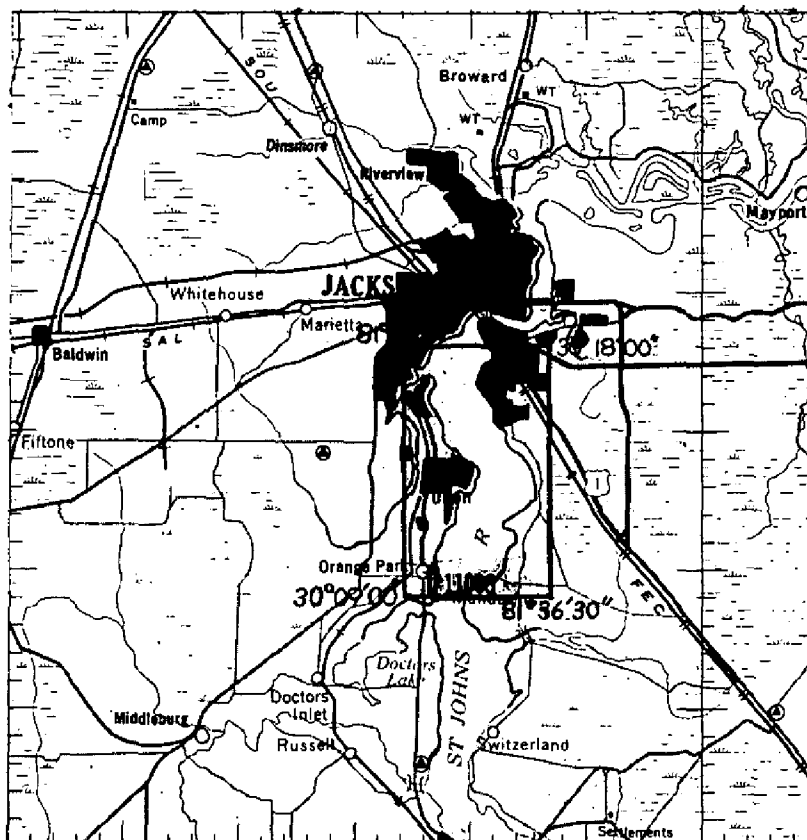
Number of Temporary Photo Hydro Stations established (III):

Remarks: * 16 stations outside the project limits were searched for.
7 were recovered and 6 identified. One station was established.

** Only tidal bench marks were searched for.

Shoreline Mapping Project 10,000-808

Florida, Saint Johns River



Official Milage for Cost Accounts

Sheet No.	Area sq.mi.	Lin. mi. Shoreline
T-11093	33	43

Summary
to accompany Shoreline Manuscript T-11093

T-11093 is the only survey representing project PH-10000-808. It originated with the request of the Commanding Officer of the Jacksonville Naval Air Station for a new hydrographic survey of that portion of St. Johns River adjacent to said Air Station. Subject shoreline manuscript was compiled first as an incomplete manuscript in support of this hydrographic survey (H-8412) at the Washington Office, and later after field inspection (including the establishment of hydrographic signals) and subsequent field edit, was completed at the Tampa District Office. The medium furnished the Washington Office for final review is the result of an adequately scribed sheet and suitable for direct reproduction of permanent file copy.

This shoreline manuscript is situated directly south of Jacksonville, Florida, and covers both shores of that portion of St. Johns River between Sadler Point at the entrance of Ortega River and Orange Point at Doctors Inlet.

The area is subject to little change from natural causes. Cultural changes, however, in this heavily populated region are continuous, effecting the shoreline also. The present condition (as of 1958) of shoreline, bulkheads, wharfs and numerous piers is depicted clearly on this ~~field~~^{final} compilation.

A Cronar film positive at the compilation scale of 1:20000 and the Descriptive Report will be registered and filed in the Bureau Archives.

May 1959

FIELD INSPECTION REPORT
PROJECT 10,00-808

2. AREAL FIELD INSPECTION

The project is located in Florida, along the St. Johns River and just south of the city of Jacksonville. It is comprised mostly of residential areas of the city.

Field inspection was performed in accordance with Project Instructions dated 6 January 1958 and is believed complete. No items were deliberately left for field edit.

Photography was of recent date and of good quality and no difficulty was encountered in interpreting the photographs in the field. The banks of the river are mostly covered by large Oak trees and in some areas the overhanging trees obscured the mean high water line. These areas were carefully inspected and the mean high water line indicated on the photographs at the base of the banks.

3. HORIZONTAL CONTROL

All Coast and Geodetic Survey control was searched for and where recovered was identified. The only exception is station GRAHAM 1926, which was recovered for use in establishing WALL 1958.

Station WALL 1958 was established by Three Point Fix on other stations. Four stations were used in order to have a check on the position.

The horizontal control requirements, as laid out on a copy of the project diagram were adequately met. One or more stations were identified in each of the designated areas.

The following stations were reported lost: TYSON 2 1934, BUCKLEY 2, SADLER 1934, CLAY 1934, BALCONY 1934, BIGHT 1876, PINET 1934, PINEY POINT BEACON 1934, FOSTER 1934, GREENWOOD 1934, OLIVE 1934, DOCTOR 1876, MANDARIN POINT LIGHT 29 1950, ORANGE PARK LIGHT 38 1950, COCHLEY 1934, SOUTH JACKSONVILLE E.O.P. WATER TANK 1909, CLUB 1909, YARD 1934, LA VISTA REFERENCE MARK 1876, PHILLIPS POINT BEACON NO. 25 1934, BUCKLEY BLUFF BEACON NO. 27 1934, MERRILL (USE) 1908, LAKESIDE 1934, AB 24, AB 26, AB 27, AB 28, AJ 3 and AJ 103.

The following lost stations were identified to aid in control of the plot, AB 24, BUCKLEY 2 and TYSON 2. A monument with the disk hole intact was found in the described location of AB 24. It was reasonably sure that the monument was AB 24 and was so identified.

8

The station monuments for BUCKLEY 2 and TYSON 2 have been washed out and one of the reference marks was identified in lieu of the stations.

4. VERTICAL CONTROL

The following Coast and Geodetic Survey Tidal Bench Marks were recovered: ORANGE PARK, ST. JOHNS RIVER BM N 30 (1932), ORANGE PARK, ST. JOHNS RIVER BM 3 (1934), ORTEGA RIVER ENTRANCE, ST. JOHNS RIVER BM'S 1, 2, and 3.

No other control was searched for.

5. CONTOURS AND DRAINAGE

Inapplicable.

6. WOODLAND COVER

Woodland cover is adequately covered by classification on the photographs. (See Item 2)

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline of the river is either the bank or the base of the numerous bulkheads. The bulkheads have been labeled and the compiler is to draft in the mean highwater line at the base. In areas not covered by bulkheads, the mean highwater line is the base of the natural river bank. The mean highwater line has been indicated on the photographs. These areas in some cases are obscured by overhanging trees and the compiler is to follow the natural bank of the river.

All bluffs to be symbolized have been labeled on the photographs.

Numerous piers are found along the shoreline. The piers are plainly visible on the photographs and were not labeled in the field. However, the compiler is to map all piers. The piers in ruin and one new pier have been indicated on the photographs.

The shore ends of all submarine cables, covered by photography have been indicated on the photographs. One submerged and one overhead cable located on the northeast side of the U.S. 17 highway bridge, over Ortega River, were not covered by photography. These cables are along-side and parallel to the northeast side of the bridge.

8. OFFSHORE FEATURES

See Item 9.

9. LANDMARKS AND AIDS

All landmarks were inspected and have been indicated on the photographs.

All fixed aids to navigation were located by theodolite cuts from triangulation stations or identifiable photograph points.

10. BOUNDARIES, MONUMENTS AND LINES

Inapplicable.

11. OTHER CONTROL

The following recoverable topographic stations were established: AGRB(1950)1958, BARE(1950)1958 and COCHLEY(U.S.E.) RM 1(1934) 1958. Form 524 is submitted.

12. OTHER INTERIOR FEATURES

All roads have been classified in accordance with project instructions.

The numerous boathouses and sheds on piers have been indicated on the photographs.

Public and Landmark buildings have been indicated on the photographs.

The only airport in the area is Jacksonville Naval Air Station.

Horizontal and vertical clearances were determined for the following bridges and cables:

BRIDGE	FIELD MEASUREMENTS			BRIDGE BOOK	
	TYPE	HOR.	VERT.	HOR.	VERT.
Doctors Inlet (U.S.17)	SW	62N	9 Ft.(MHW)	62	9.29
Ortega River (Old U.S.17)	B	53	9 Ft.(MHW)	53	9
Ortega River (U.S.17)	B	40	4 Ft.(MHW)	Not	Listed
Ortega River A.C.L. RR	B	40	2 Ft.(MHW)	40	2
Goodby Creek State Hwy 13	F	37	11 Ft.(MHW)	27	10

The vertical clearance for an overhead power line on the north-east side of U.S.17 bridge, over Ortega River was determined at 65 feet above mean high water. (See Item 7).

10

13. GEOGRAPHIC NAMES

A systematic search of Geographic Names was not required. No discrepancies in published names were encountered during field inspection.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

1 Section Nautical Chart 685

1 Volume Form 251a, Observations of Horizontal Directions.

Submitted,

William M. Reynolds
William M. Reynolds
Cartographer

Approved and Forwarded:

A. L. Wardwell
A. L. Wardwell
Chief of Party

//

PHOTOGRAMMETRIC PLOT REPORT
ST. JOHNS RIVER, FLORIDA
Project 10,000-808
Scale 1:20,000

21. AREA COVERED

St. Johns River, Orange Park, Florida,
sheet T-11093.

22. METHOD

Stereotriangulation of 3 short strips was performed on the stereoplanigraph. A straight line adjustment was performed on all 3 strips. Most of the other models have sufficient control that will allow them to be set up independently. The remainder of the models cannot be cleared of parallax on the stereoplanigraph because of excessive water areas. In these cases, graphic methods of compilation will be necessary.

23. ADEQUACY OF CONTROL

Except for the bridged strip 57W-477 through 480 where there was a minimum of control, the control was adequate. The strip could not be extended to include other control because of excessive water areas on both ends of the strip.

All the triangulation control stations held within 0.1mm at manuscript scale.

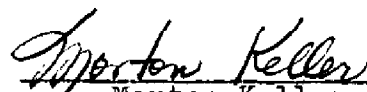
24. SUPPLEMENTAL DATA

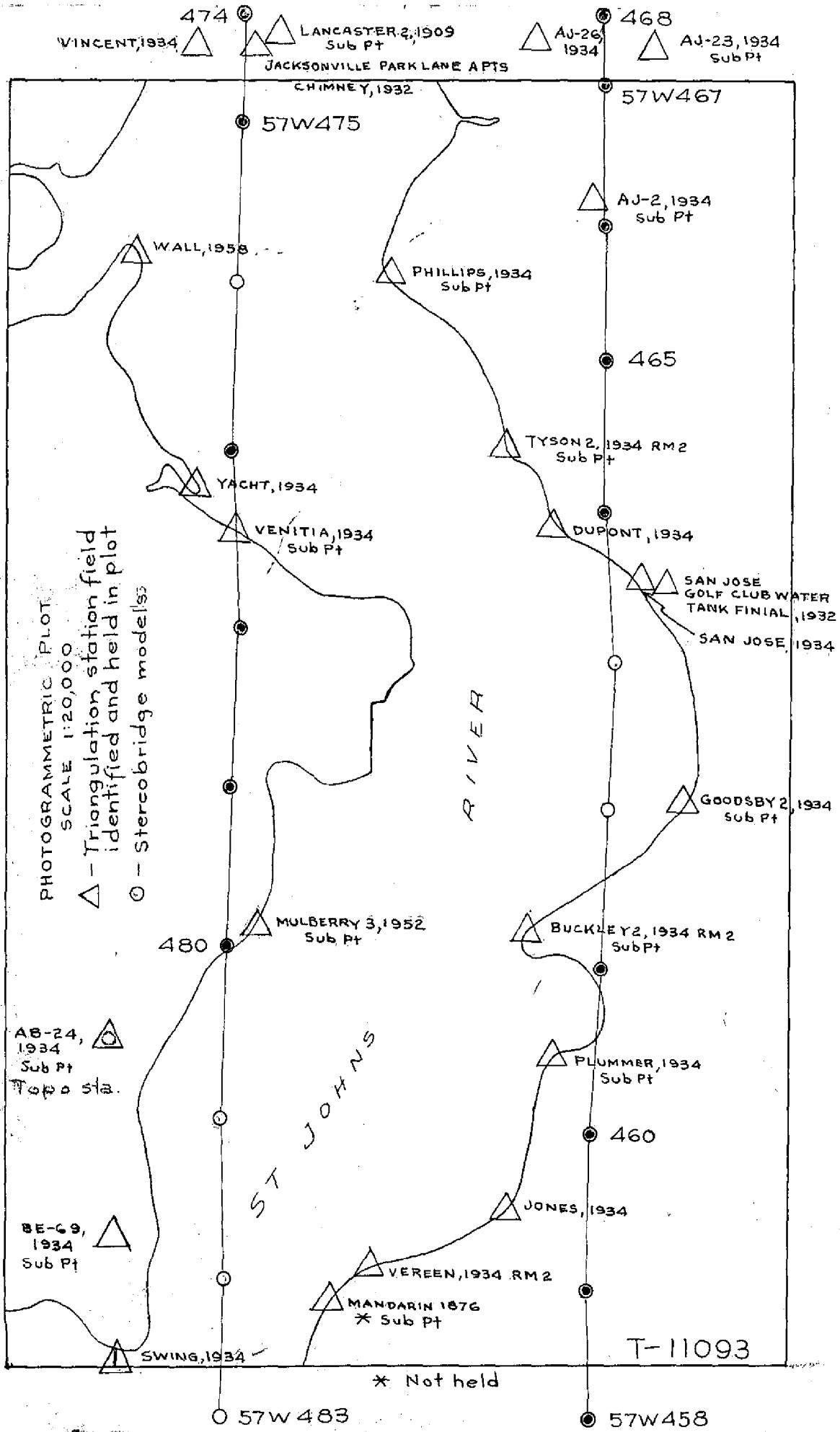
U.S.G.S. Quad Orange Park, Fla. 1:24,000, 1952
U.S.G.S. Quad Jacksonville, Fla. 1:24,000, 1948

25. PHOTOGRAPHY

The photography was adequate.

Submitted


Morton Keller
Supervisory Cartographer
7 March 1958



Florida, East Zone (3)
Coordinates

Photogrammetry

MAP T. 11093 PROJECT NO. 10,000-808 SCALE OF MAP 1:20,000 SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)	FORWARD	(BACK)	FORWARD	(BACK)
Wall 1958	3 pt. fix 1927	NA	2,162,393.43						
	Clay County		279,750.86						
AB 24	Index p. 1	"	2,128,421.22						
			278,131.13	This station to be used as a topo station					
AB 24, sub. pt.		"	2,128,488.87	See recovery card					
			278,116.57						
BE-69, 1934	Clay County		2,120,768.18						
	Index p. 6	"	278,159.11						
BE-69 Sub. pt.			2,120,766.65						
			278,182.06						
AJ-23, 1934	Duval County		2,171,782.35						
	Index p. 5	"	303,251.19						
AJ-23 Sub Pt.		"	2,171,718.96						
			303,208.37						
Phillips, 1934	P.C.'S	"	2,161,321.75						
	p. 60	"	290,529.97						
Phillips sub pt		"	2,161,347.32						
		"	290,579.90						
Mulberry 3, 1952	P.C.'S	"	2,133,914.09	+					
	p. 61	"	284,788.80						
Sub Pt			2,134,105.97						
Mulberry 3		"	284,534.59						
Graham 1926	P.C.'S	"	2,179,363.32	N of Ms					
	p. 9	"	291,853.92						

Florida, East Zone (3)
Coordinates

Photogrammetry

MAP T-11093

PROJECT NO. 10,000-808

SCALE OF MAP 1:20,000

SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR N - COORDINATE LONGITUDE OR E - 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)	
AJ 2, 1934	Duval County Index 5	NA 1927	2,164,081.90 299,552.99		X				
AJ 2 Sub Pt		"	2,164,118.86 299,563.39						
Vereen, 1934	P.O.'S p 67	"	2,119,237.85 289,670.18						
Vereen RM 2		"	2,119,123.91 289,722.61						
Goodsby 2, 1934	P. C.'S p 69	"	2,138,651.88 302,937.81						
Goodsby 2 Sub Pt		"	2,138,707.51 303,147.56						
Plummer, 1934	P.O.'S p 67	"	2,128,085.10 297,343.96						
Plummer Sub Pt		"	2,128,231.74 297,256.58						
Buckley 2, 1934	P.O.'S p 61	"	2,133,423.12 295,934.71						
Buckley 2 Rm 2		"	2,133,427.90 296,039.38						
Buckley 2 Rm 2 Sub Pt		"	2,133,583.06 296,052.41						
Yacht, 1934	P.O.'S p 69	"	2,152,216.76 282,147.91						

1 FT. = 3048006 METER

COMPUTED BY: C. O. Demarr

DATE 25 Feb 58

CHECKED BY: GTS

DATE Feb 58

M-2308-12

Florida, East Zone (3)
Coordinates

Photogrammetry

MAP T-11093 PROJECT NO. 10,000-808 SCALE OF MAP 1:20,000 SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR U-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)
Lancaster 2, 1909	P.C.'S p 36	NA 1927	2,173,331.36	N of MS			
Lancaster 2, Sub Pt		"	286,271.40	"			
			2,173,464.85	"			
			286,283.05				
Tyson 2 1934	P.C.'S p 68	"	2,153,868.52				
			295,193.70				
Tyson 2 Rm 2		"	2,153,979.36				
			295,198.06				
Tyson 2 Rm2 Sub Pt		"	2,153,697.47				
			295,205.81				
Julington 1934	P.C.'S p 69	"	2,107,541.80	S of MS			
			296,449.63				
Julington Sub Pt		"	2,107,334.48	"			
			296,526.17				
Jones, 1934	P.C.'S p 61	"	2,121,102.41				
			295,149.58				
Jones Rm 3		"	2,120,950.55				
			295,272.94				
Huntington 1876	P.C.'S p 69	"	2,108,302.45	S of MS			
			291,593.80				
Huntington Rm 1		"	2,108,322.78	"			
			291,644.79				
Huntington Rm 1 Sub Pt		"	2,108,537.34	"			
			291,721.91				

Florida, East Zone (3)
Coordinates

Photogrammetry

MAP T. 11093 PROJECT NO. 10,000-808 SCALE OF MAP 1:20,000 SCALE FACTOR 1.0

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR U-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)
Mandarin, 1876	P.C.'s p 209	1927	2,117,687.54 287,465.01				
Mandarin Sub Pt.		"	2,117,619.53 287,412.38				
Venetia, 1934	P.C.'s p 61	"	2,150,621.45 283,368.08				
Venetia Sub Pt		"	2,150,644.97 283,335.97				
Park Lane Apts CHY, 1932	P.C.'s p 10	"	2,173,078.62 285,235.77	N of Ms			
Vincent, 1934	P.C.'s p 60	"	2,172,216.23 282,229.11				
San Jose 1934	P.C.'s p 61	"	2,148,506.71 301,016.92				
San Jose, Golf Club Water Tank Finial 1936	P.C.'s p 8	"	2,147,562.45 305,121.18				
Dupont, 1934	P.C.'s p 68	"	2,150,455.00 297,164.83				
Swing 1934	P.C.'s p 69	"	2,114,807.67 278,464.47	S of Ms			
A J 26	Duval County Index p 6	"	2,171,860.57 294,847.15				

COMPILATION REPORT
T-11093

31. DELINEATION

The shoreline in the following models was delineated on the stereoplanigraph.

Models 57W-459 thru 462
463 thru 468
474 thru 475
477 thru 480

The shoreline in the following models was delineated by graphic methods.

Models 57W-475 thru 477
480 thru 483
462 thru 463

Photographic coverage and field inspection were adequate. Only those features necessary to support hydrographic operations such as shoreline bulkheads, photo centers, pass points, detail points, piers and some few aids to navigation were shown on this initial partial compilation. The map will be completed following completion of the hydrographic survey and the positions of all topographic stations, landmarks and aids to navigation will then be furnished.

The map has been classified as an "Advance Manuscript" for the degree of delineation shown thereon.

This preliminary compilation report will be rewritten on completion of the map manuscript.

(See next page)

COMPILATION REPORT T-11093

PHOTOGRAMMETRIC PLOT REPORT

Stereoplanigraph bridge by Washington Office.

31. DELINEATION

The "Incomplete Manuscript" submitted by the Washington Office was completed by the Tampa Photogrammetric Office after field edit.

Small changes were made in the shoreline and alongshore details in the area of latitude $30^{\circ}16'45''$ to $30^{\circ}18'$ - Longitude $81^{\circ}42'$ to $81^{\circ}43'$.

Discrepancies in this area were noticed during field edit while cutting in photo points that were used for locating aids to navigation. The points were corroborated with the Kelsh plotter in this office.

32. CONTROL

No statement.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours were not applicable. Drainage was delineated according to photograph interpretation and field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high-water was shown as indicated by the field inspection. No low-water line was shown. Reference Field Edit Report.

No shoal areas were evident on the photographs nor indicated by the field inspection. All shoreline features were delineated according to field inspection notes. The shoreline inspection was adequate.

36. OFFSHORE DETAILS

All offshore details were delineated as indicated by the field inspector and the field editor.

37. LANDMARKS AND AIDS

All aids to navigation and landmarks were shown as specified by the field inspection and listed on Form 567.

38. CONTROL FOR FUTURE SURVEYS

Three (3) Topographic stations are being submitted on Form 524 and are listed under Item 49.

39. JUNCTIONS

A satisfactory junction was made with the U.S. Geological Survey Quadrangles JACKSONVILLE FLA. and ORANGE PARK FLA. scale 1:24,000

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the Quadrangles listed under item 39 and except for changes due to the passage of time, they were found to be in fair agreement.

47. COMPARISON WITH NAUTICAL CHARTS

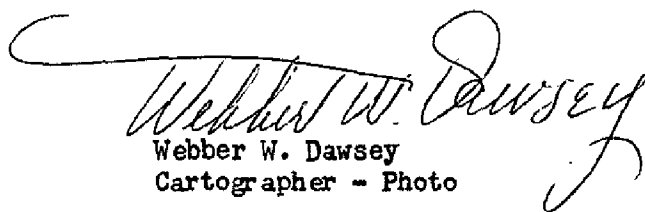
Comparison was made with U.S.C. & G.S. Chart No. 685, scale 1:40,000, 2nd edition revised to 6/4/56. The same differences found under item 46 apply here.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

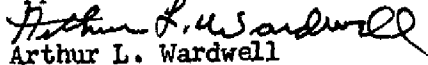
None.

ITEMS TO BE CARRIED FORWARD

None.


Webber W. Dawsey
Cartographer - Photo

Approved and Forwarded:


Arthur L. Wardwell

48. GEOGRAPHIC NAME LIST

BLACK POINT -
 BEAUGLERC BLUFF -
 BIG FISHWEIR CREEK -

CASA LINDA LAKE -
 CHRISTOPHER CREEK -
 CHRISTOPHER POINT -
 CRAIG CREEK -

DEEP BOTTOM CREEK -
 DOCTORS LAKE -
 DOCTORS INLET -

FLORIDA YACHT CLUB -

GOODBYS CREEK -

HOLLINGWOOD -
 JACKSONVILLE NAVAL AIR STATION -
 JACKSONVILLE -
 JOHNSON SLOUGH -

MULBERRY COVE -
 MANDARIN ^{COMMUNITY 8-29-50}
 MANDARIN POINT -

ORTEGA RIVER -
 ORANGE PARK LANDING -
 ORANGE PARK -
 ORANGE POINT -
 ORTEGA TERRACE -
 ORTEGA -

PLUMMERS COVE -
 PIRATES COVE -
 POINT LA VISTA -
 PLUMMERS POINT -
 PINEY POINT -

SOUTH JACKSONVILLE -
 SADLER POINT -
 ST JOHNS RIVER -

TIMUQUANA COUNTRY CLUB -

VENETIA ^{Not shown} -
 VENETIA PENINSULA -

4-30-54
 George M. Bull
 Geographic Names

49. NOTES FOR THE HYDROGRAPHER

Photo-hydro stations were cut in on a positive print of the manuscript at the time of Field Edit and the print furnished direct to the hydrographic party. All signals were built at the time of identification. None of the photo-hydro signals appear on the manuscript.

Three topographic stations were located as follows:

BARE (1950) 1958
ACRE (1950) 1958
COCHLEY (USE) RM 1 (1934) 1958

FIELD EDIT REPORT T-1109351. METHODS

The entire shoreline and alongshore features were field edited while the establishment of signals for the hydrographic party was in progress. It was noted that the mean highwater and mean lowwater lines were synonymous.

A skiff was used for the entire operation.

All additions and corrections were noted in pencil on two prints furnished for this purpose. One print contains all field edit notes and the other print contains planetable cuts.

52. ADEQUACY OF COMPILATION

The compilation was adequate.

53. MAP ACCURACY


No horizontal accuracy tests were made.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Inapplicable.


W. W. Dawsey
Cartographer (Photo)

Approved and Forwarded:


Arthur L. Wardwell
Chief of Party

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T- 11093

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

4a Classification label

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XXX 32. Public land lines XXX

MISCELLANEOUS

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

40. William A. Rasure William A. Rasure
for Milton M. Slavney ^{Reviewer} Supervisor, Review Section or Unit
William A. Rasure

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
Shoreline Manuscript T-11093
May 1959

62. Comparison with Registered Topographic Surveys:

T-1459 ^a and ^c T-5319 ⁻	1:20000	1876-77
T-5663	1:10000	1935-39
T-5664	1:10000	1935
T-5665	1:10000	1935
T-5666	1:10000	1933-39
T-5667	1:10000	1933-39
T-9304 N & S	1:10000	1949-52

There is good agreement between all these surveys in consideration of time intervals. Only changes in cultural features were noted. Subject survey is to supersede above-listed surveys for nautical charting purposes of common areas.

63. Comparison with Maps of Other Agencies:

Jacksonville, Fla.	1:24000, Ed. of 1950, U.S. Geological Sur			
Arlington, Fla.	1:24000, Ed. of 1950, "	"	"	"
Orange Park, Fla.	1:24000, Ed. of 1952, "	"	"	"
Bayard, Fla.	1:24000 Ed. of 1952, "	"	"	"

There are some cultural changes between these surveys, which in a period of 6 to 8 years are to be expected in this ever expanding State of Florida. Basically, there is good agreement.

64. Comparison with Contemporary Hydrographic Surveys:

H-8412	1:20000	1958 (with add. work of 1959)
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Advance Shoreline of subject survey was furnished for this hydrographic survey and only minor changes were noted. A few noteworthy corrections in shoreline and piers on T-11093 after field edit of April 1958, however, have not been applied to hydrographic survey H-8412.

65. Comparison with Nautical Charts:

685	1:40000	Revised to 58	3/17
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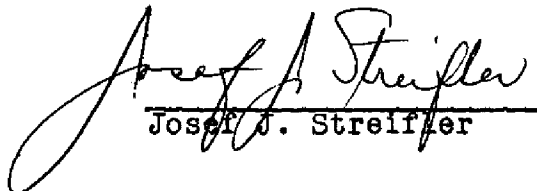
There is good agreement!

-2-


66. Adequacy of Results and Future Surveys:


This shoreline manuscript was completed according to project instructions. It meets the requirements of accuracy and adequacy of this type of survey.


Reviewed by:

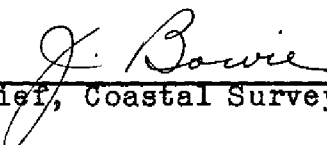

Josef J. Streiffer

Approved by:


Chief, Review & Drafting Section
Photogrammetry Division


Chief, Nautical Chart Branch
Charts Division


Chief, Photogrammetry Division
24 Sept '59


Chief, Coastal Surveys Division

TO BE CHARTED
~~NO/BE/DELETED~~

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa District Office, Photo Section 24 June 1958

I recommend that the following objects which have *(light/stop)* been inspected from seaward to determine their value as landmarks be charted on *(delete/stop)* the charts indicated.

The positions given have been checked after listing by

W. W. Pawsey

Arthur L. Fordwell Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	FLORIDA										METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				POSITION															
				LATITUDE*			LONGITUDE*												
				°	'	"	D.M. METERS	°	'	"	D.P. METERS	DATUM							
	ST. JOHNS RIVER	(Red square daymark on dolphin)		30	17	47.06		81	40	42.44		N.A. 1927		1958	X			685	
	LIGHT 2	(Black square daymark on dolphin)		30	17	47.74		81	40	26.38		"		"	X		"		
	LIGHT 3	(Black square daymark on dolphin)		30	17	07.57		81	39	28.28		"		"	X		"		
	LIGHT 5	(Black square daymark on dolphin)		30	15	233		81	40	07.06		"		"	X		"		
	LIGHT 9	(Black square daymark on dolphin)		30	10	1789		81	40	189		"		"	X		"		
	LIGHT 10	(Red square daymark on dolphin)		30	09	29.78		81	41	24.36		"		"	X		"		
	LIGHT 11	(Black square daymark on dolphin)		30	09	16.43		81	40	45.29		"		"	X		"		
	DAYBN 2	(Red triangular daymark on pile - red reflector)		30	17	31.44		81	40	52.16		"		"	X		"		
	DAYBN 3	(Black square daymark on pile - green reflector)		30	17	02.18		81	42	10.40		"		"	X		"		
	DAYBN 4	(Red triangular daymark on pile - red reflector)		30	16	35.01		81	42	46.13		"		"	X		"		
	MARKER	pile at southwest end of measured nautical mile		30	17	16.79		81	42	11.34		"		"	X		"		

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. 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.

STROGRAMMETRIC REVIEW BRANCH

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

Page 1 of 2

TO BE CHARTED
~~VOID/REJECTED~~

STRIKE OUT ONE

NONNAVIGATIONAL LANDMARKS FOR CHARTS

Tampa District Office, Photo Section 24 June 1938

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

The positions given have been checked after listing by W. W. Tawney

Arthur L. Wardwell Chief of Party

STATE FLORIDA			POSITION										METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE #		LONGITUDE #				DATUM									
			°	'	D.M. METERS	°	'	D.P. METERS										
TANK (ELEV.)	Orange Park Water Tank 123 Ft. high (140)		30	10	11.01	81	41	52.36	N.A. 1927	T-11093	1938	X			685			
TANK (ELEV.)	Naval Air Station Hospital Water Tank 162 Ft. high (180)		30	12	20.17	81	40	59.33	"	"	"	X			"			
RADIO TOWERS	Naval Air Station Radio Tower 158 Ft. high (173) North of 3		30	11	44.65	81	41	40.83	"	"	"	X			"			
	Naval Air Station Radio Tower 158 Ft. high (173) Southwest of 3		30	11	1375	81	41	1092	"	"	"	X			"			
	Naval Air Station Radio Tower 158 Ft. high (173) Southeast of 3		30	11	41.21	81	41	43.10	"	"	"	X			"			
	Naval Air Station Radio Tower 158 Ft. high (173) Southeast of 3		30	11	1289	81	41	1153	"	"	"	X			"			
TANK (ELEV.)	Naval Air Station Water Plant No. 2 Tank 163 Ft. high (184)	2	30	13	41 21	81	41	38 34	"	"	"	X			"			
TANK (ELEV.)	Naval Air Station Water Plant No. 1 Tank (N) 162 Ft. high (174)	1	30	13	12.34	81	41	11.22	"	"	"	X			"			
TANK (ELEV.)	Naval Air Station Water Plant No. 1 Tank (S) 162 Ft. high (174)	1	30	13	380	81	40	300	"	"	"	X			"			
TANK (ELEV.)	Jacksonville, Lakewood Municipal Tank 153 Ft. high (173)		30	15	14.00	81	40	27.87	"	"	"	X			"			
TANK (ELEV.)	(San Jose Golf Club Water Tank Final 1932) 160 Ft. high (182)		30	14	431	81	37	732	"	"	"	X			"			
TANK (ELEV.)	(San Jose 1934) Bolles School Water Tank 145 Ft. high (167)		30	14	12.99	81	38	27.43	"	"	"	X			"			
TANK (ELEV.)	Jacksonville, Lakewood Street Munic. Tank 153 Ft. high (173)		30	17	400	81	38	734	"	"	"	X			"			
AIRPORT BEACON	Airport Beacon atop hangar at Naval Air Station		30	13	29.29	81	40	23.27	"	"	"	X			"			
	Two different tanks		30	13	902	81	38	622	"	"	"	X			"			
			30	14	23.109	81	37	01.667	"	"	1932	X			"			
			30	14	711.6	81	37	44.6	"	"	"	X			"			
			30	14	32.233	81	37	48.514	"	"	"	X			"			
			30	14	942.5	81	37	1297.1	"	"	"	X			"			
			30	17	06.33	81	38	39.51	"	"	"	X			"			
			30	17	145	81	38	1056	"	"	"	X			"			
			30	13	34.13	81	40	13.35	"	"	"	X			"			
			30	13	1051	81	40	357	"	"	"	X			"			
									"	"	"				"			
									"	"	"				"			

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. 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.

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW BRANCH

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED
~~TO BE REMOVED~~

STRIKE OUT ONE

NONFLUORATING/REVISION LANDMARKS FOR CHARTS

Tampa District Office, Photo Section, 24 June, 19 58

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~charts~~ the charts indicated.
The positions given have been checked after listing by W. W. Dancy

STATE		FLORIDA		POSITION										METHOD OF LOCATION AND SURVEY NO.		DATE OF LOCATION		HARBOR CHART		INSHORE CHART		OFFSHORE CHART		CHARTS AFFECTED	
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE *		LONGITUDE *		DATUM	METHOD OF LOCATION AND SURVEY NO.		DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED											
			D. M. METERS	D. P. METERS	D. M. METERS	D. P. METERS																			
TANK (ELEV.)	Jacksonville Munic. Tank, Old																								
	Beach Road 147 Ft. High (149)																								
SPIRE	Southside Baptist Church Spire																								
	134 (142)																								
TV TOWER	WJMP Television Tower																								
	472 Ft. High (498)																								
TOWER	WJMP Television Tower																								
	992 Ft. High (1002)																								
STACK	(Vincent 1934) St. Vincent's Hospital																								
	Stack 100 Ft. High (104)																								
BUILDING	(Jacksonville, Park Lane Apts																								
	Chimney 1932)																								
	All objects are outside sheet limits																								
	positions given by station manager																								

NAUTICAL CHARTS BRANCH

SURVEY NO. T-11093

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.