

5669

Form 504 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, Director	
DESCRIPTIVE REPORT	
Map, Drawing <del>Photograph</del> Hydrographic	Sheet No. T-5669
U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES	
MAR 7 1940	
Acc. No. _____	
State FLORIDA	
LOCALITY	
St. Johns River	
JACKSONVILLE, northern part	
Photographs taken Feb. 1939	
193	
CHIEF OF PARTY	
Riley J. Sipe	

5669

Applied <sup>in part</sup> to chart 577- 10/29/40 P.B.C.

Applied to chart 1243 7/21/41 J.K.S.

Applied <sup>in full</sup> to chart 577 Aug 30, 1941. L.A.M.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 4

REGISTER NO. T-5669

**T5669**

State FLORIDA

General locality St. Johns River

Locality JACKSONVILLE, northern part

Scale 1:10,000 Date of ~~survey~~ Photographs November 1933

February 1939 19

Party ~~U. S. Army~~ Air Photographic No. 2-A

Chief of party Riley J. Sipe

Surveyed by See notes on compilation

Inked by See notes on compilation

Heights in feet above ..... to ground to tops of trees

Contour, Approximate contour, Form line interval ..... feet

Instructions dated March 4, 1935

Remarks: U. S. Army A.C. -Single lens camera, and U. S. C.

and G. Survey nine lens camera used.

Field inspection made in summer of 1935, and summer, fall and winter of 1939.

LEGEND TO BE USED ON FIELD INSPECTION AND ROUGH DRAFTING

TREES

A = Ash  
Br = Brush  
Cit = Citrus  
Cy = Cypress  
Gum = Gum  
Oak = Oak  
Pal = Palmetto  
Pi = Pine  
Plm = Palm

ROADS

Rd-1 = 1st class paved  
Rd-1d = 1st class dirt  
Rd-2 = 2nd class  
Tr = Trail

All roads not labeled are  
6 m or less in width.

VEGETATION

C = Cultivated  
DT = Deciduous trees  
Fl = Flooded area  
TGr = Tropical grass  
HW = Heavily wooded  
M = Marsh  
Mg = Mangrove  
Sw = Swamp  
Sct = Scattered

FMP = Florida Mapping Project  
USE = U. S. Engineers

PONDS

P = Pond  
CyP = Cypress Pond  
GP = Grassy Pond  
IP = Intermittent Pond  
PiP = Pine Pond

STREAMS

Ca = Canal (width)  
Cr = Creek  
D = Ditch  
IS = Intermittent Stream  
EDU = Probable drainage unsurveyed  
Str = Stream

MISC

Blf = Bluff (height)  
Brg = Bridge  
Ch = Church  
Cv = Culvert  
FB = Fire break (width)  
Fn (f) = Fence  
H = House  
Ham = Hammock  
Hdg = Hedge  
HWL = High water line  
LWL = Low water line  
OP = Overpass  
PO = Postoffice  
R = Reef  
RR = Railroad  
S = Sand  
Sch = School  
UP = Underpass  
G = Gravel

# TIME SHEET

Field Sheet No. 4  
Register No. T-5669

The radial plot was nearly finished before time records were begun on this sheet. This is a smooth drafted sheet.

Pricking Points for Plotting	14	hrs.
Radial Plot (Overlay Sheet)	24	"
Pricking Additional Points for Detail	131	"
Plotting All Control	14	"
Detailing Roads, Buildings, Fences, Trails, etc.	443	"
Detailing Symbols	26	"
Shoreline	2	"
Field Inspection	229	"
Reports	19	"
Field Review of Sheet	76	"
Total	978	"

Time record for this sheet does not indicate costs for the project as a whole as this is a city sheet and is was further complicated by the fact that the work was laid aside in 1935 and not taken up for completion until 1939

1397

# NOTES ON COMPILATION

Sheet No 4 (Field)

Register No: T-5669

## PHOTOGRAPHS

Single	Lens	Flight No	No. <u>M-221-222</u> Inclusive.
"	"	"	" M-181-191 "
"	"	"	" M-148-157 "
"	"	"	" M-192-200 "
"	"	"	" M-229-233 "
Nine	"	"	" 03227-03229 "
"	"	"	" 03173-03175 "

Nov 1933

Feb 1939

SCALE PLOT: W. H. Burwell and B. Benson.

SCALE FACTOR USED: 1:00

PROJECTION BY: Benson

CONTROL PLOTTED BY: V. L. Riehl

CONTROL CHECKED BY: W. H. Burwell

SMOOTH RADIAL PLOT BY: W. H. Burwell and H. Mach

TOPOGRAPHY TRANSFERRED BY: W. H. Burwell

TOPOGRAPHY CHECKED BY: H. O. Fortin

SHORELINE INKED BY: Burwell and H. Mach

DETAIL INKED BY: H. Mach

OVERLAY SHEET BY: H. Mach

DESCRIPTIVE REPORT BY: H. Mach

REVIEWED BY: H. O. Fortin

AREA OF DETAIL INKED: 26.14 Sq. Statute Miles

LENGTH OF SHORELINE (Over 200 m): 19.24 Statute Miles

LENGTH OF SHORELINE (Under 200 m): 41.38 Statute Miles

LENGTH OF SHORELINE OF SMALL LAKES: 4.00 Statute Miles

Reference Station: Duval, South Base, 1932

Latitude: 30° 24' 47.166" (1452.4 meters)

Longitude: 81° 39' 04.341" (115.9 meters)

(Adjusted) ✓

X coordinate: 294,722.13 FT.

Y coordinate: 2,210,666.72 FT.

Refer to next page for date

Supplemented by other surveys to 1939 of this survey

Date of Air Photographic Survey T-5669

Single lens photographs taken Nov. and Dec. 1933

Nine lens photographs taken February 1939

Field inspection in 1935 and Nov. - Dec. 1939

Work was first started on this survey in 1935 but was left incomplete until after the new nine lens photographs were taken.

Details on T-5669 are of the date of the nine lens photographs, February 1939, except as follows:

1. Triangulation and topographic stations for which year of location is shown on the survey. The month of location is also shown on topographic stations which are aids because of the many changes in aids in this area.

## DESCRIPTIVE REPORT

### TO ACCOMPANY

Field Sheet No. 4  
Register No. T-5669

#### General

This smooth map drawing was compiled from air photographs taken by the U. S. Army Air Corps, using a single lens camera, and a nine lens camera, designed by the U. S. Coast and Geodetic Survey.

The projection was made with a scale factor of 1:00.

Only public buildings, churches, hospitals, schools, and very large buildings were shown within the City Limits. In the outside areas only prominent buildings were shown. Along the shoreline of the St. Johns River nearly all the industrial buildings, tanks, etc., were shown.

Because the single lens photographs were closer to scale they were used whenever possible. The nine lens photographs were used when the single lens photographs were not clear enough and where recent changes along the St. Johns River shoreline made it necessary. The northern edge of the map drawing matches with the photographs of the Topographic Survey No. T-5131, 1933, scale 1:20,000, U.S.C. & G. Survey. One part of the Broward River (Cedar Creek) in the center of the upper edge of this drawing does not agree with the blue match lines and had to be corrected according to the latest photographs.

#### Control

A total of 87 control stations were plotted on this sheet; 64 of which fall within the limits of this map drawing. 19 were U. S. C. & G. Survey triangulation stations; 3 were U. E. Engineers stations; 37 were described topographic stations taken from Graphic Control Sheets Nos. "AA" and "BB". In addition there were 4 Florida Mapping Project Stations, which were used in the general control, and one new landmark. <sup>c.s. 167M</sup>  
T6488b In some cases the names of the beacons and lights have been changed. Both names were shown on the overlay. The old names that were used on the triangulation descriptions are shown in parenthesis; the other names being taken from the ~~U.S.C. & G. Survey~~ Light List, and checked against the U.S.C. & G. Survey Chart No. 577.

#### Radial Plot

A radial plot for this map drawing was made directly on the celluloid from the single lens photographs in 1935 and 1936. All corresponding points on the nine lens photographs, that could be clearly identified, were pricked. Many could not be satisfactorily located, necessitating the plotting of additional points. The nine lens pictures were flown to a little larger scale than the original single pictures. This led to extra work in endeavoring to properly orient the nine lens pictures to the single lens plot, however it is believed that the final



drafting of the map drawing is well within the allowable limits of error. (0.3 to 0.5 m.m. for intersected points)

#### Interpretation of the Photographs

The photographs were clear and no unusual conditions were found to exist.

#### Field Inspection and Supplemental Surveys

Field Inspection trips were made in the summer of 1935 and by truck in the summer, fall and winter of 1939. No supplemental surveys were necessary.

#### Graphic Control Surveys.

This map drawing is covered by G.C. Sheets "AA" and "BB". There are some places where the shoreline is not in agreement with that as shown on the G.C. Sheets. These discrepancies were caused by different interpretation of the shoreline and by erosion due to stream flow, since the G.C. control survey was made.

All details on the above graphic control surveys within the areas of this photographic survey are shown on the air photographic survey except:

1. Magnetic Declination.
2. Azimuth of Ranges.
3. Temporary Stations for control of Hydrography.

#### Hydrographic Surveys

Hydrographic Surveys in this area covered by this map drawing were made prior to the delineation of the shoreline from the air photographs. No shoreline has been transferred to the hydrographic smooth sheets covering this area by this party.

#### Comparison with Surveys by other Organizations.

As no maps or charts of this area of a scale large enough to permit an intelligent comparison being available, this has been omitted.

#### Comparison with Charts Nos. 577239/2/14 and 1243 (date destroyed)

Due to the fact that there were large differences in scales, no accurate comparison of the shoreline or other details could be made. Dredging activities have changed the shoreline around Reddie Point, as comparison between the single and nine lens photographs plainly show.

#### Comparison with early Coast and Geodetic Surveys.

No copies of early Coast and Geodetic Surveys of this area were available in this office.

#### Landmarks

New landmarks and those which were destroyed are listed on Form No. 567; a copy of which is attached to this report. ~~This work copy received with the report. These landmarks are filed in Preparation for Inking the next of charts to be~~

This map drawing having been started two or three years ago when the shoreline was put on for the hydrographic party, was found to be quite dirty. It was washed and cleaned with a soft eraser and before

T 64886 (1935) C.S. 167M (1935)

inking carbonate of magnesia was applied to the surface about to be inked.

#### Junctions

On the south this map drawing joins T-5667; on the east T-5670, and on the west T-5668. On the north it matches the air photo compilation T-5131, scale 1:20,000. All match lines with other map drawings have been checked with this drawing and corrected.

#### Bridges

The vertical and horizontal clearances have been listed on the smooth drawing, in accordance with "List of Bridges over the Navigable Waters of the United States, 1935". When the vertical clearance was given without the stage of tide, no data was available, and as these small streams were not considered Navigable Waters, no extra time was spent in obtaining this data.

#### Miscellaneous

The two Eastern Airway Trans. Radio Masts as shown on this map drawing belong to the Army and should be so changed on the charts covering this area.

Florida Mapping Project traverse station "AA 3" has been destroyed, and has not been shown on the overlay.

The main roads, trails and other details match T-5131 within the allowable limits. The shoreline of Trout River and Cedar Creek (Broward River) match well, except west of the S.A.L. Ry. bridge and Cedar Creek and the small tributaries of both streams. The difference is probably due to the difference in scale of the two map drawings, to the swampy area through which they run, and to the lack of control, due to the difficulty of pricking radial points in swampy areas. Due to oversight map drawing T-5668 was not matched with map drawing T-5131. It is recommended that the office match this small strip from T-5131.

No attempt was made to show the shoal water line, for it was thought that the previous hydrographic survey had a better determination of it.

Forwarded R-Riley-J.-Sipe

Henry O. Fortin  
By Henry O. Fortin

Respectfully submitted

Henry Mach  
Henry Mach

*Clearances not shown on printed copy of T-5669 as these can be taken from bridge book. Graphic control survey shows clearances slightly different from bridge book but latter is accepted.*

## Remarks.

## Decisions

1	Approved for H-6536	304816
2		303816
3	Broward River is USGB decision (1926), which	304816 U.S.G.B.
4	rejected Cedar Creek	304816
5		303816
6		303816
7		303816
8	Very recent decision (1940)	303816 U.S.G.B.
9		303816
10		303816
11		303816
12		303816
13		303816
14		303816
15		303816
16		303816
17		303816
18		304816 U.S.G.B.
19	Only source USGS "Jacksonville"	(303816)
20		304816
21	Used on a very old survey, T-551, but not	(303816)
22	well defined on present charts.	303816
23		303816 U.S.G.B.
24		304816
25		303816
26	For title	303816 U.S.G.
27		

# GEOGRAPHIC NAMES

Survey No. T-5669

(No. 1)  
Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A.	B.	C.	D.	E.	F.	G.	H.	K.	
<u>Blockhouse Creek</u>									1
<u>Brentwood</u>									2
<u>Broward River</u>									3
<u>Cedar Heights</u>									4
<u>Deer Creek</u>									5
<u>Edges Branch</u>									6
<u>Hogan Creek</u>									7
<u>Long Branch</u>									8
<u>Long Branch (district)</u>									9
<u>Lueders Branch</u>									10
<u>Moncrief Creek</u>									11
<u>Moncrief Park</u>									12
<u>Moncrief Springs</u>									13
<u>New Springfield</u>									14
<u>Oakhurst</u>									15
<u>Panama Park</u>									16
<u>Phoenix Park</u>									17
<u>Ribault River</u>									18
<u>Pride City</u>									19
<u>Riverview</u>									20
<u>Sandfly Point</u>									21
<u>Smiths Branch</u>									22
<u>Trout River</u>									23
<u>Turner Pond</u>									24
<u>East Springfield</u>									25
<u>Jacksonville</u>									26
									27

T-5669

(No. 2)

Remarks

Decisions

1		USGB
2		304816
3		303816 U.S.G.B.
4		(Chaseville) 303816
5		304816
6		303816
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# GEOGRAPHIC NAMES

Survey No.

T-5669

(No. 2)

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
<u>St. Johns River</u>									1
<u>Drummond Creek</u>									2
<u>Reddie Point</u>									3
<u>Chaseville</u>									4
<u>                    Airport</u>									5
<u>Jacksonville Municipal</u>									6
<u>Springfield</u>									7
<u>North Shore</u>									8
									9
									10
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									26
									27

Name underlined in red approved  
by L. Heck on 9/19/40

# GEOGRAPHIC NAMES

Survey No. T-5669

Name on Survey	<div>On Chart (C &amp; G. S.) No. 577 &amp; 1243</div> <div>On previous survey No. AA, BB, &amp; Z</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>									
	A	B	C	D	E	F	G	H	K	
Blockhouse Creek				X						1
Brentwood	X		X	X	X					2
✓ Cedar Creek		Z		X						3
✓ Cedar Heights	X	Z		X						4
Deer Creek	X			X	X					5
Edges Branch				X	X					6
Hogan Creek	X	BB		X	X					7
Long Branch (Stream)		BB		X	X					8
Long Branch (District)	X		X	X						9
Ineders Branch			X	X	X					10
Moncrief Creek	X	AA	X	X	X					11
Moncrief Park				X	X					12
Moncrief Springs ?				X	X					13
New Springfield	X		X	X	X					14
Oakhurst			X	X						15
Panama Park	X		X	X	X					16
Phoenix Park	X		X	X						17
Ribault River	X	AA	X	X	X					18
<del>Pride City</del> Reddie Pt			X							19
Riverview			X	X						20
Sandfly Point		AA	X	X						21
Smiths Branch				X	X					22
Trout River	X	AA	X	X	X					23
Turner Pond	X			X						24
East Springfield										25
Jacksonville										26
St. Johns R.										27

M 234

## GEOGRAPHIC NAMES

- ✓ **BLOCKHOUSE CREEK.** One half mile east of Lem Turner Road Bridge. Not recommended.
- ✓ **BRENTWOOD.** Old community just east of Duval County Fair Grounds. Recommended.
- ✓ **CEDAR CREEK.** Sources A and B give it as Broward River. Cedar Creek Recommended. See discussion under descriptive report for T-5670.
- ✓ **CEDAR HEIGHTS.** Small community on south shore of Cedar Creek. Recommended.
- ✓ **DEER CREEK.** Small creek flowing into the St. Johns River at the extreme southeast corner of sheet. Recommended.
- ✓ **EDGES BRANCH.** Small stream flowing into Moncrief Creek about one half mile from its mouth. Recommended.
- ✓ **HOGAN CREEK.** Sometimes called Hogan's Creek from City Map of Jacksonville, flowing through Springfield Park. Hogan Creek recommended.
- ✓ **LONG BRANCH.** Stream flowing into the St. Johns River just north of Gulf Refining Company site. See Director's letter of July 14, 1939, reference 80-DRM, and Lieut. Sipe's letter of July 20, 1939 in reply to same. Long Branch recommended for stream as well as for community of that name just of the stream. City Map of Jacksonville calls the stream "Long Branch Creek".
- ✓ **WEDERS BRANCH.** Small stream running into the headwaters of Moncrief Creek. Recommended.
- ✓ **MONCRIEF CREEK.** Prominent stream flowing into Trout River. Recommended.
- ✓ **MONCRIEF PARK.** District just west of Moncrief Road and south of 26th Street. Recommended.
- ✓ **MONCRIEF SPRINGS.** District just northeast of intersection of A. C. L. Railway tracks and Moncrief Road. Recommended.
- ✓ **NEW SPRINGFIELD.** District just west of the intersection of a group of railroad tracks and south of 21st Street. Recommended.
- ✓ **OAKHURST.** Prominent community just southwest of Lem Turner Road before crossing Ribault River. Recommended.
- ✓ **PANAMA PARK.** District on south shore of Trout River between S. A. L. and A. C. L. railroad tracks. Source E gives it as Panama. Former recommended.
- ✓ **PHOENIX PARK.** District just south of Panama Park. Recommended.
- ✓ **RIBAULT RIVER.** Prominent river flowing into Trout River. Sometimes called Six Mile Creek. Former recommended.
- ✓ **PRIDE CITY.** District about one third of a mile northwest of Moncrief Springs. This name was not familiar to any of the residents of this district. Not recommended.



✓ RIVERVIEW. District west of Lem Turner Road and north of Ribault River. Recommended.

✓ SANDFLY POINT. Point about 100 meters east of A. C. L. Railway bridge across Trout River. Not recommended.

✓ SMITHS BRANCH. Headwaters of Long Branch. City Map of Jacksonville calls it Smith's Branch. Former recommended.

✓ TROUT RIVER. Prominent river flowing into the St. Johns River. Recommended.

✓ TURNER POND. Pond in the Jacksonville Municipal Airport. Recommended.

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✓ JACKSONVILLE and ST. JOHNS RIVER are well established names.

REVIEW OF AIR PHOTO COMPILATION NO.T-5669

Chief of Party: Riley J. Sipe

Compiled by: H. Mach

Project: A-P-No. 2A

Instructions dated: March 4, 1935

1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b,c,d,e,g and i; 26; and 64)  
Yes.
2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g,n) Yes.
3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d,e) Yes.
4. Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28) Blue Prints of Different Sys.
5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report. Tracings showing changes-attached.
6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 66 c,h,i) Yes.
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)  
Yes.

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."

8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41) **Yes.**
9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)  
Previously sent in by Lieut. H. A. Paton
10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60) **Yes.**
11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c) **Yes.**
12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)  
**Yes.**
13. The geographic datum of the compilation <sup>1927</sup> ~~is~~ North American and the reference station is correctly noted. **Yes.**
14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j) **Yes.**
15. The drafting is satisfactory and particular attention has been given the following: **Yes.**
  1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report.
  2. The degrees and minutes of Latitude and Longitude are correctly marked.**Yes.**

3. All station points are exactly marked by fine black dots. Yes.
  4. Closely spaced lines are drawn sharp and clear for printing. Yes.
  5. Topographic symbols for similar features are of uniform weight. Yes.
  6. All drawing has been retouched where partially rubbed off. Yes.
  7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground. Yes.
- (Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

16. No additional surveying is recommended at this time.  
None.

17. Remarks:

18. Examined and approved; *Henry O. Fortin.*  
Lieut. Henry O. Fortin, (J.g.)

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Riley J. Sipe  
Chief of Party

## PLANE COORDINATE GRID SYSTEM

Positions of grid intersections used for fitting the grid to this compilation were computed by Division of Geodesy and the computation forms are included in this report.

Positions plotted by JOSEPH P. DUNICH

Positions checked by JOSEPH P. DUNICH

Grid inked on machine by JOSEPH P. DUNICH

Intersections inked by JOSEPH P. DUNICH

## Points used for plotting grid:

$\phi$  30° - 26' - 00"  $X = 284,638.89$   
 $\lambda$  81° - 41' - 00"  $Y = 2,218,084.51$

$\phi$  30° - 24' - 00"  $X = 295,074.90$   
 $\lambda$  81° - 39' - 00"  $Y = 2,205,899.62$

$\phi$  30° - 26' - 00"  $X = \overset{300,397.34}{\cancel{284,638.89}}$   
 $\lambda$  81° - 38' - 00"  $Y = 2,217,992.78$

$\phi$  30° - 21' - 00"  $X = 284,456.01$   
 $\lambda$  81° - 41' - 00"  $Y = 2,217,777.13$

$\phi$  30° - 21' - 00"  $X = 300,227.25$   
 $\lambda$  81° - 38' - 00"  $Y = 2,187,685.55$

X  
Y

X  
Y

X  
Y

## Triangulation stations used for checking grid:

1. DUVAL SOUTH BASE  $X = 294,722.13$   
 1932 r. 1933 d.m.  $Y = 2,210,666.72$

5. \_\_\_\_\_

2. \_\_\_\_\_

6. \_\_\_\_\_

3. JACKSONVILLE-WILSON-TOOMER-FERT. Co.

7. \_\_\_\_\_

4. WATER TANK, 1932  $X = 302,937.29$   
 No. 2  $Y = 2,185,813.36$

8. \_\_\_\_\_

$X = 62.71$

## REVIEW OF AIR PHOTOGRAPHIC SURVEY T-5669 (1:10,000)

June 11, 1940

Refer to page 1 of the descriptive report for the date of information shown on T-5669.

### Graphic Control Surveys

C.S. 176 (1:10,000) Dec. 1934, filed in Air Photo Unit  
T-6488a (1:10,000) Dec. 1934, additional work Mar. 1937  
T-6488b (1:10,000) Dec. 1934

The above graphic control surveys furnished locations of stations for hydrography, most of the aids to navigation and part of the water front details. All information on the graphic control surveys within the area of T-5669 is shown on T-5669 except the following:

1. Magnetic Declination. Declinations determined by the graphic control surveys agree with the charts within 2 degrees.
2. Temporary stations for hydrographic and topographic control.
3. Water front details that have changed since the graphic control surveys were made. T-5669 is a 1939 survey with the exception of the location of some of the aids to navigation.
4. Some of the recoverable (not described) topographic stations, such as gables of houses, have not been transferred to T-5669 because of the close spacing of the described stations.
5. Azimuths of ranges which are shown on the graphic control surveys and covered by T-5669:
  1. Trout River Range  $16^{\circ} 22'$ ; located by plane table with point on the extension of the range.

The descriptive report and Form 524 descriptions are missing for C.S. 176 at this date, June 11, 1940. The recoverable stations have been transferred to T-5669 without the (d) to indicate descriptions.

Hydrographic Surveys

H-6127 (1:10,000) 1935

The hydrographic survey was reviewed in 1936. Shoreline in the area covered by T-5669 was taken from T-5669 in 1935 prior to its completion. When T-5669 was completed and brought up to the date of the later photographs (February 1939) some of the shoreline was revised. These changes have not been made on H-6127 as H-6127 is not a contemporary survey.

Previous Topographic Surveys

T-551 (1:10,000) 1855

T-552 (1:10,000) 1855

T-5669 supersedes, for charting, the parts of the above surveys which it covers.

Chart 577 printing of August 8, 1939

The dates of all aids to navigation located on T-5669 are shown on the map drawing. T-5669 has not been applied to chart 577 or chart 1243 at the date of this review.

Refer to page 2 of the descriptive report regarding land marks.

Descriptions of Recoverable Topographic Stations

Descriptions are filed under T-6488a and T-6488b

General

The descriptive report and the compilation of map details complete. The quality of drafting is very good.

Reviewed in office by L. C. Lande, June 12, 1940

Inspected by B. G. Jones, June 12, 1940

Examined and approved:

*Thos B Reed*

Thos. B. Reed,  
Chief, Section of Field Records

*J. S. Benson*

Chief, Division of Charts

*K. T. Adams*

Chief, Section of Topography

*G. H. Wade*

Chief, Division of  
Coastal Surveys