**10835**

*Form 504*

**U. S. DEPARTMENT OF COMMERCE**

**COAST AND GEODETIC SURVEY**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Planimetric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Ph-5802</td>
</tr>
<tr>
<td></td>
<td>Office No. T-10835</td>
</tr>
</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Florida</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Vicinity of St. Johns River</td>
</tr>
<tr>
<td>Locality</td>
<td>Pottaburg Creek</td>
</tr>
</tbody>
</table>

**19.58-59**

**CHIEF OF PARTY**

J.P. Randall, Chief of Field Party

A.L. Wardwell, Tampa District Office

**LIBRARY & ARCHIVES**

**DATE**

October 1961
FORM 181
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

T- 10835

Project No. (II): Ph-5802

Quadrangle Name (IV):

Field Office (II): Jacksonville, Florida

Chief of Party: James P. Randall

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Arthur L. Wardwell

Instructions dated (II) (III): 3 July 1958

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Kelsh Plotter

Manuscript Scale (III): 1:10,000

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

Scale Factor (III): Pantograph setting 2 to 1

Date received in Washington Office (IV):

May 3, 1960

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date: 1/19/61

Date registered (IV):

Publication Scale (IV):

Geographic Datum (III): N. A. 1927

Publication date (IV):

Mean Higher High Water except as follows:

Elevations shown as (29) refer to mean high water
Elevations shown as (25) refer to sounding datum
i.e., mean low water or mean lower low water

Vertical Datum (III): MHW

Reference Station (III): AJ 4 (FGS) 1934

Lat.: Adjusted

Long.:

Plane Coordinates (IV):

State: Florida

Zone: East

X = 306,567.98 FT.

Y = 2,152,496.77 FT.

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

When entering names of personnel on this record give the surname and initials, not initials only.
Areas contoured by various personnel
(Show name within area)

Inapplicable
DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): J. E. Toloziecki
J. K. Wilson
O. J. Weber

Planetable contouring by (II): Inapplicable

Completion Surveys by (II): Inapplicable

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

Projection and Grids checked by (IV): R. Shoup

Control plotted by (III): E. T. Ogilby

Control checked by (III): E. Pursel

Radial Plot or Stereoscopic Control extension by (III): Washington Office

Stereoscopic Instrument compilation (III): I. I. Saperstein

Manuscript delineated by (III): I. I. Saperstein

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

Elevations on Manuscript checked by (II) (III): Inapplicable
### Predicted Tide (III)

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5</td>
<td>5.3</td>
<td></td>
</tr>
<tr>
<td>0.144</td>
<td>2.0</td>
<td>2.3</td>
</tr>
</tbody>
</table>

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

Final Drafting by V. P. Cackowski, Tampa District Office
Reviewed by: W.H. Shearouse, Tampa District Office
Drafting verified for reproduction by:

- **Proof Edit by (IV):**

- **Date:** Oct, 1960
- **Date:** February 1960
- **Date:** March 1960
- **Date:** Oct, 1960
- **Date:** 18 Jan, 1961

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

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

**Accuracy not assured as this portion of creek is approximately 5 miles from subordinate tide station.
PROJECT PH-5802
Planimetric Mapping
Florida, St. Johns River

Official Mileage for Cost Accounts

<table>
<thead>
<tr>
<th>Sheet No.</th>
<th>Area (Sq. Mi.)</th>
<th>Lin. Ml.</th>
<th>Shoreline</th>
</tr>
</thead>
<tbody>
<tr>
<td>10823</td>
<td>11.9</td>
<td>16.7</td>
<td></td>
</tr>
<tr>
<td>10824</td>
<td>8.0</td>
<td>23.4</td>
<td></td>
</tr>
<tr>
<td>10825</td>
<td>11.9</td>
<td>34.1</td>
<td></td>
</tr>
<tr>
<td>10826</td>
<td>14.3</td>
<td>27.1</td>
<td></td>
</tr>
<tr>
<td>10827</td>
<td>6.4</td>
<td>15.8</td>
<td></td>
</tr>
<tr>
<td>10828</td>
<td>13.5</td>
<td>9.2</td>
<td></td>
</tr>
<tr>
<td>10829</td>
<td>12.7</td>
<td>12.6</td>
<td></td>
</tr>
<tr>
<td>10830</td>
<td>12.7</td>
<td>3.8</td>
<td></td>
</tr>
<tr>
<td>10831</td>
<td>15.6</td>
<td>10.1</td>
<td></td>
</tr>
<tr>
<td>10832</td>
<td>11.1</td>
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<td>10833</td>
<td>10.3</td>
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<tr>
<td>10834</td>
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<td>7.6</td>
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</tr>
<tr>
<td>10835</td>
<td>15.6</td>
<td>6.3</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17.7</strong></td>
<td><strong>8.7</strong></td>
<td><strong>Total</strong></td>
</tr>
</tbody>
</table>

Area: 168.7
Lin. Ml: 205.2
SUMMARY
To Accompany Planimetric Map Manuscripts
T-10823 through T-10836

Subject surveys represent Planimetric Mapping Project MH-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 (Keah Fletter) in 1958-59 at the Tampa District Office. The compilations are based on single-lens photography of May 1958 and field inspection of 1958-59. Advanced shoreline information and control (compiled at the Washington Office by stereoplanigraph) was made available to support hydrographic surveys of 1958-59.

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

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

October 1960
THE FIELD INSPECTION REPORT

IS SUBMITTED WITH T-10836
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>LATITUDE OR V-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2152 496 77</td>
<td>656 082 31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A J 4 1934</td>
<td>Duval Co</td>
<td>306 567 98</td>
<td>93 442 11</td>
<td></td>
</tr>
<tr>
<td>A J 18 1934</td>
<td>Duval Co</td>
<td>312 788 31</td>
<td>95 338 01</td>
<td></td>
</tr>
<tr>
<td>A J 20 1934</td>
<td>Duval Co</td>
<td>301 608 97</td>
<td>94 364 01</td>
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<tr>
<td>A J 21 1934</td>
<td>Duval Co</td>
<td>2173 810 59</td>
<td>663 386 85</td>
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<td>Bowden 1936</td>
<td>Duval Co</td>
<td>2173 794 40</td>
<td>654 699 01</td>
<td></td>
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<tr>
<td>A J 23 1934</td>
<td>Duval Co</td>
<td>303 251 2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PHOTOGRAphMETRIC PLOT REPORT

Submitted with T-10836.

31. DELINEATION

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

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

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

35. SHORELINE AND ALONGSHORE DETAILS

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

No low-water line has been shown.

36. OFFSHORE DETAILS

None.
37. **LANDMARKS AND AIDS**

None.

38. **CONTROL FOR FUTURE SURVEYS**

None.

39. **JUNCTIONS**

Junctions have been made with T-10829 to the north, T-10831 to the west, USGS Quadrangle ARLINGTON to the east and USGS Quadrangle BAYARD to the south.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No statement.

46. **COMPARISON WITH EXISTING MAPS**

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

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

47. **COMPARISON WITH NAUTICAL CHARTS**

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

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

None.

ITEMS TO BE CARRIED FORWARD

None.

[Signature]
Irving I. Saperstein
Cartographer (Photo)

APPROVED AND FORWARDED

[Signature]
Arthur L. Wardwell
Tampa District Officer
46. GEOGRAPHIC NAME LIST

Azalea Terrace
Bennett Branch
Bowden
Duval County
Englewood
Florida
Florida East Coast RR
Holiday Hill
Kilarney Shores
Little Pottsburgh Creek
Pottsburgh Creek
Sans Souci
Silversmith Creek
Spring Glen
Tiger Hole Swamp

GEOGRAPHIC NAMES SECTION
1 NOVEMBER 1960
PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT
T. 10835

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

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

ALONGSHORE AREAS
(Nautical Chart Data)
12. Shoreline
13. Low-water line
14. Rocks, shoals, etc.
15. Bridges
16. Aids to navigation
17. Landmarks
18. Other alongshore physical features
19. Other alongshore cultural features

PHYSICAL FEATURES
20. Water features
21. Natural ground cover
22. Planetary contours
23. Stereoscopic instrument contours
24. Contours in general
25. Spot elevations
26. Other physical features

CULTURAL FEATURES
27. Roads
28. Buildings
29. Railroads
30. Other cultural features

BOUNDARIES
31. Boundary lines
32. Public land lines

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

Reviewer: William H. Shearouse
Supervisor: Milton M. Slavney

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:
62. Comparison with Registered Topographic Surveys:

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
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<tbody>
<tr>
<td>T-411</td>
<td>1:10,000</td>
<td>1853</td>
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<tr>
<td>T-550</td>
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<td>1:10,000</td>
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<td>1855-56</td>
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<td>T-713</td>
<td>1:10,000</td>
<td>1859</td>
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<tr>
<td>T-963</td>
<td>1:10,000</td>
<td>1864</td>
</tr>
<tr>
<td>T-965</td>
<td>1:10,000</td>
<td>1864</td>
</tr>
<tr>
<td>T-1232b</td>
<td>1:20,000</td>
<td>1871</td>
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<tr>
<td>T-1459a</td>
<td>1:20,000</td>
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<td>T-2027</td>
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<td>T-4068</td>
<td>1:20,000</td>
<td>1924</td>
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<td>T-4084</td>
<td>1:20,000</td>
<td>1924</td>
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<td>T-5235</td>
<td>1:10,000</td>
<td>1933</td>
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<td>T-5666</td>
<td>1:10,000</td>
<td>1933</td>
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<td>T-5665</td>
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<tr>
<td>T-5667</td>
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<td>1933-39</td>
</tr>
<tr>
<td>T-5669</td>
<td>1:10,000</td>
<td>1933-39</td>
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<tr>
<td>T-5670</td>
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<td>T-6188bb</td>
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<td>1934</td>
</tr>
<tr>
<td>T-11893</td>
<td>1:20,000</td>
<td>1957-58</td>
</tr>
<tr>
<td>T-11154</td>
<td>1:10,000</td>
<td>1951-54</td>
</tr>
</tbody>
</table>

Cultural and shoreline changes have been continuous and extensive. Considerable differences exist between topographic survey of 1951-54 and the land area of affected 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, 1946, U.S. Geological Survey
- **Eastport, Fla.,** 1:24,000, 1946
- **Mayport, Fla.,** 1:24,000, 1946
- **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:**

<table>
<thead>
<tr>
<th>Quadrangle</th>
<th>Scale (1:10,000)</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-8107</td>
<td></td>
<td>1954</td>
</tr>
<tr>
<td>E-8412 (plus add. work)</td>
<td>1:20,000</td>
<td>1958-59</td>
</tr>
<tr>
<td>E-8462</td>
<td>1:20,000</td>
<td>1958-59</td>
</tr>
<tr>
<td>E-8463</td>
<td>1:10,000</td>
<td>1958-59</td>
</tr>
<tr>
<td>E-8464</td>
<td>1:10,000</td>
<td>1959</td>
</tr>
</tbody>
</table>

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

65. **Comparison with Nautical Charts:**

<table>
<thead>
<tr>
<th>Chart</th>
<th>Scale (1:10,000)</th>
<th>Revised to</th>
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<tbody>
<tr>
<td>569</td>
<td></td>
<td>12/8/1958</td>
</tr>
<tr>
<td>577</td>
<td></td>
<td>12/21/1959</td>
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<tr>
<td>665</td>
<td></td>
<td>12/7/1959</td>
</tr>
<tr>
<td>1243</td>
<td></td>
<td>2/22/1960</td>
</tr>
</tbody>
</table>

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 affected accordingly. The position of "RIBAULT CHANNEL DIRECTIONAL LIGHT" at the southwest corner of Mayport Basin - as shown on chart 569 - should be corrected also from available information from 1958 and as indicated on T-10827.

**Dome Point - Fulton Cutoff Light 40, 1958 at the mouth of Alligator Creek should be added to Chart 577** (see T-10825).
66. Adequacy of Results and Future Surveys:

Subject T-sheets (11) 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:

[Signature]

Josef J. Streifler

Approved:

[Signature]

Joseph H. Stange
Chief, Review & Drafting Sec.
Photogrammetry Division

[Signature]

Ellwood
Chief, Nautical Chart Division

[Signature]

J. T. Woodcock
Asst. Chief, Photogrammetry Division

[Signature]

J. Bowie
Chief, Operations Division
**NAUTICAL CHARTS BRANCH**

**SURVEY NO. T-10835**

Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/16/63</td>
<td>636</td>
<td>J.Eaton</td>
<td>Fully After Verification and Review</td>
</tr>
<tr>
<td>6-11-70</td>
<td>685</td>
<td>C.E. Dunn</td>
<td>Fully After Verification and Review</td>
</tr>
</tbody>
</table>

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.