**Form 504**

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>CHART COMPILATION</th>
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<tbody>
<tr>
<td>Field No.</td>
<td>PH-6606</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-13009</td>
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**LOCALITY**

<table>
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<tr>
<th>State</th>
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<tr>
<td>General locality</td>
<td>APALACHICOLA RIVER</td>
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<tr>
<td>Locality</td>
<td>BLOUNTSTOWN</td>
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</table>

**1965-68**

**CHIEF OF PARTY**

V. Ralph Sobierski  
Div. of Photogrammetry, Wash. D.C.

**LIBRARY & ARCHIVES**

**DATE**
### DESCRIPTIVE REPORT - DATA RECORD

**T - 13009**

**PROJECT NO. (II):**

PH-6606

**FIELD OFFICE (III):**

CHIEF OF PARTY

**PHOTOGRAMMETRIC OFFICE (III):**

Rockville, Maryland

**OFFICER-IN-CHARGE**

V. Ralph Sobieralski

**INSTRUCTIONS DATED (III) (III):**

July 29, 1965

Amendment 1 August 23, 1965

New Schedule June 15, 1966

Instructions January 10, 1967

Instructions February 2, 1967

**METHOD OF COMPILATION (III):**

Wild B-8

**MANUSCRIPT SCALE (III):**

1:40,000

**STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):**

1:70,000

**DATE RECEIVED IN WASHINGTON OFFICE (IV):**

**DATE REPORTED TO NAUTICAL CHART BRANCH (IV):**

**APPLIED TO CHART NO.:**

**DATE:**

**DATE REGISTERED (IV):**

**GEOMETRIC DATUM (III):**

N. A. 1927

**VERTICAL DATUM (III):**

Mean sea level except as follows:

Elevations shown as (2) refer to mean high water

Elevations shown as (3) refer to sounding datum

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

**REFERENCE STATION (III):**

**LAT.:**

**LONG.:**

☐ ADJUSTED

☐ UNADJUSTED

**PLANE COORDINATES (IV):**

X =

**STATE**

**ZONE**

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

When entering names of personnel on this record give the surname and initials, not initials only.
**FIELD INSPECTION BY (III):**
Edited by William H. Shearouse

**DATE:**
May 8, 1968

**MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):**
No Tidal waters

**PROJECTION AND GRIDS RULED BY (IV):**

<table>
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<th>Nautical Charts</th>
<th>DATE</th>
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<tr>
<td>Marine Chart Division</td>
<td></td>
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**PROJECTION AND GRIDS CHECKED BY (IV):**

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<th>DATE</th>
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**CONTROL PLOTTED BY (III):**
John C. Richter

**DATE:**
September 1967

**CONTROL CHECKED BY (III):**
Martha Webber

**DATE:**
September 1967

**RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):**
Irving Saperstein

**DATE:**
July 1967

**STEREOSCOPIC INSTRUMENT COMPILATION (III):**

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<tr>
<td>John C. Richter</td>
</tr>
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<table>
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<tr>
<th>CONTOURS</th>
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<tr>
<td>John C. Richter</td>
</tr>
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**DATE:**
Oct. 1967

**MANUSCRIPT Delineated BY (III):**
John C. Richter  Manuscript and Field Edit

**DATE:**
Nov. 1968 Edit
Oct. 1967

**SCRIBING BY (III):**

**DATE:**

**PHOTOGRAFMETRIC OFFICE REVIEW BY (III):**
J. Battley

**DATE:**
Sept., 1969
**PHOTOGRAPHS (III)**

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<td>65 M 622 thru 627</td>
<td>Oct. 24, 1965</td>
<td>10:05-10:10</td>
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<td>No Tidal Waters</td>
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<td><em>65L (C) 7092 thru 7185</em></td>
<td>Oct. 16, 1965</td>
<td>08:25 thru 11:35</td>
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<td>65L (C) 7188 thru 7204</td>
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<td>65L (C) 7207 thru 7302</td>
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**TIDE (III)**

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| WASHINGTON OFFICE REVIEW BY (IV): J. P. Bатель | DATE: May 1969 |

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| NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): |
|-------------------------|-----------------|

| NUMBER OF BM(S) SEARCHED FOR (III): |
|-------------------------|-----------------|

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<table>
<thead>
<tr>
<th>NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):</th>
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**REMARKS:**

* 1:40,000 color photographs listed for complete project.

Photographs used for field edit (additional drainage, Navigational aids, landmarks, roads, names etc.) were, Oct. 16 65L-7169-7172 to 7174, 7176 to 7178 7210 to 7212 7268, 7285, 7286, 7288, 7289
Summary to Accompany
Descriptive Reports T-13005 thru T-13012
PH-6606
February 1970

This project consists of seven 1:40,000 scale Chart Compilation Manuscripts compiled to provide the base for new chart 644-SC. The area covered is the Apalachicola River from its mouth at the town of Apalachicola (T-13012), north to its end at the Jim Woodruff Dam. From the dam the Chattahoochee River continues northwest (T-13006) and the Flint River branches northeast (T-13008).

Field inspection of the project area was limited to the premarking of control and was completed in September 1965. The area was flown in October 1965 providing 1:70,000 scale panchromatic bridging photography, 1:40,000 scale compilation photography and 1:15,000 scale color for location of aids.

As a result of higher priority projects, completion of an analytical bridge was not realized until July 1967. Six strips of 1:70,000 scale panchromatic photographs were bridged. Due to the lack of control a block adjustment was used to tie the strips together.

The Washington compilation office completed the B-8 compilation of the seven manuscripts in May 1968. The manuscripts were compiled following the general instructions for compiling topography to chart scale. Except in the area of T-13012, there is no existing chart for comparison and subsequent revision.

Field edit was accomplished from March thru June 1968 and encompassed the location of extensive day beacons, channel markers and lights. In addition the river abounds in piling, dolphins, snags and single piles - most of which were located during field edit. A complete geographic names check was also made during field edit.

The application of field edit data was completed in the Washington compilation office in November 1968. The Marine Chart Division revised their needs at that time and the project was set aside for higher priority work.
T-13012 was reviewed and copy forwarded to Marine Charts to serve as a revision base for Charts 1262, 866 and 865. Forms 567's were listed, scaled and submitted for each sheet.

A Chart Division Manuscript copy of each manuscript was supplied the Marine Chart Division.

Registration manuscript copies will be registered in the Bureau Archives under their respective T-numbers.

Submitted by,

Jeter P. Battley, Jr.

J. P. Battley, Jr.
PHOTOGRAMMETRIC PLOT REPORT
Job PH-6606
Apalachicola River, Florida

July 14, 1967

21. Area Covered

This report covers the Apalachicola and Chattahoochee Rivers, Florida, and consists of seven (7) 1:40,000 scale T-sheets, T-13006 thru T-13012.

22. Method

Analytic aerotriangulation methods were used to bridge six strips, consisting of 1:70,000 scale panchromatic photography taken with the RC-9 camera. Common tie points were drilled on plates between all strips where applicable.

Because of placement and lack of control, a block adjustment was used to tie together Strips 1, 5, 6 and part of Strip 3.

The attached sketch shows the strips bridged and the placement of triangulation furnished that were used in the adjustment.

Mercator values have been furnished for all bridge points on the IEM readout.

23. Adequacy of Control

All horizontal control was premarked with white panels with the exception of a subpoint for WEAHITCHKA, EMPIRE SERVICE CO. SILVER TANK, 1934. One USGS station No. 1772 centerline of the public road at the crossing of Apalachicola Northern Railroad was used and held with WILMA FIRE TOWER, 1938. (See USGS Sumatra Quadrangle pamphlet.)

Although horizontal control was sparse, it is believed adequate for 1:40,000 scale charting.

Vertical control needed for the adjustment was taken from USGS quadrangles.
25. **Photography**

The definition and quality of the "M" photography is fair.

The coverage is adequate.

Respectfully submitted,

I/S

Irving L. Saperstein

Approved and forwarded,

Henry P. Fichart
Acting Chief, Aerotriangulation Section
31. Delineation

Compilation was done on the B-8 Stereo-plotter at manuscript scale 1:40,000. Color photographs (scale 1:40,000) along with 1:15,000 color transparencies were also used to assist with delineation. The Marine Chart Division furnished compilation limits approximately 5 miles wide. Field edit is to be accomplished to provide information for charting aids to navigation etc.

32. Control

See photogrammetric plot report.

33. Supplemental Data

U.S. Army Engineers Navigation Chart for Apalachicola, Chattahoochee and Flint Rivers.

34. Contours and Drainage

The largest of named creeks that are tributaries of the Apalachicola River, ponds and swamps of importance are included on the map manuscript. No contours.

35. Shoreline and Alongshore Details

No tidal waters in this area. The Army Engineers Navigation Charts show rocks along the shore that could not be seen on the photographs and also landings with buildings.

36. Offshore Details

No comment.

37. Landmarks and Aids

Numerous front and rear range Lights are shown in the light list will be determined or located during field edit.

38. Control for Future Surveys

None

39. Junctions

To the North with T-13007
To the South with T-13010

40. Horizontal and Vertical Accuracy

This survey complies with the national standards of accuracy.

41. thru 45

Inapplicable

46. Comparison with Existing Maps

Comparison was made with the following maps. Blountstown, Fla. 1945, Bristol, Florida, 1945, Rock Bluff, Florida 1955, Sneads, Florida, Georgia, 1954. Chattahoochee, Florida, Georgia, scale
1:24,000 U.S. Army Engineers Navigation Charts, Alabama, Florida, Georgia.

47. Comparison with Nautical Charts.
   No Nautical Charts in this area.

Approved by
K. N. Maki
Chief, Compilation Section

Submitted by
John C. Richter
Cartographer
FIELD EDIT REPORT

JOB PH-6606

MAPS T-13009 and T-13010

In accordance with Instructions—FIELD EDIT—Job PH-6606; Chart Topography, Chart 644-SC; Apalachicola River, Alabama, Florida, and Georgia (C1413).

51. METHODS

Visual comparison of shoreline delineation of the river and principle tributaries was made. Where corrections or addition of shoreline structures are needed, these have been indicated on the photographs, reference to the photo number being recorded on the Field Edit Sheet.

Roads and streets were ridden to verify existence as compiled. Those in map T-13010 were classified before oral instructions were received that classification was no longer required. Highway numbers have been recorded on the Field Edit Sheet and/or photograph from posted highway signs. Official State of Florida County Transportation Maps were also furnished as part of project data.

Isolated buildings and others of chart landmark value have been circled on the photographs. Many interior buildings were compiled. These were not inspected because they are not considered applicable to the small-craft chart.

Some concern is felt over the omission of a number of creeks flowing into or out of the main river. It is respectfully suggested that further effort be made to add some of these. Without actually following the stream through the swamp, some have been indicated on the photographs. These are evident by the notes that will be found on the photos. Also, it may be helpful to refer to the U. S. Geological quadrangle maps for guidance. I believe these maps are reasonably reliable for the streams. It appears that since the chart is largely for small-craft operators—sportsmen and the like—the addition of some of these creeks would make it more useful.

There are no landmarks for charts in map T-13010. Three were found in T-13009. They were indicated on the Field Edit
Sheet, identified on the photographs and Form 567 executed.

Nonfloating Aids are confined to ranges. These range day-beacons are rectangular boards approximately 3' x 6' insiss, mounted on 4" x 4" posts and are international orange in color with a 8" white reflecting stripe down the middle. These are placed by the U. S. Coast Guard at spots designated by the Corps of Engineers and are for the purpose of navigating short reaches of the river channel. In no case was the distance between front and rear markers found to be more than 125 feet. Practically all are less than 100 feet apart, some being under 50. At the scale of 1:40,000, it was considered impractical to obtain a point-on-range as it would be meaningless. Therefore, points on range were omitted.

It will be noted that these daybeacons are shown in the 1967 Light List as "white square slatted daymark on post", and "10 yards" from front to rear daybeacon in each instance. The Coast Guard informs us that these all have been replaced in the past 1 to 3 years.

None of the range daybeacons could be seen on the photographs or transparencies, nor were they located at places where direct marking could be done (such as on a sharp, well-defined point of land) with desired accuracy. The Coast Guard has geographic positions but in testing them they appear to be less accurate than we would like. The Corps of Engineers do not have positions on them. They do have a third-order traverse along the river banks and in the cases of Ranges "F", "H", "L", "Q", and "T" their stations were used to tie-in the range daybeacons. In addition to angles and distances submitted on appropriate forms, coordinates as furnished by the Corps of Engineers are also transmitted so that the positions of the markers may be computed or graphically plotted.

Other ranges had to be located photogrammetrically. The 1:40,000 scale color photographs were used and images such as overhanging trees, tiny beaches, etc., identified and used in theodolite fixes. A set-up was made at or near one of the daybeacons and a "round" of angles observed, distances being measured to one or both markers as the set-up required. These were in turn, laid out graphically on sheets of paper, fixed under the crofacflex print of the map manuscript and the positions of the range markers thus obtained, pricked and labelled. None of these have been scaled but a single guidance copy of Form 567 is submitted.
Range "P" had only a single marker, believed to be Range Front. Ranges "N", "NH" and "U" are shown in the 1967 Light List, but do not exist. Coast Guard authorities were questioned regarding these omissions. Their answer: "we are waiting for the Corps of Engineers to tell us where to put them".

In addition to the cronaflex and Field Edit Sheets, field edit information will be found on photos: 65L7140, 7143, 7146, 7147, 7148, 7161, 7162, 7163, 7164, 7165, 7166, 7167, 7168, 7169, 7172, 7173, 7174, 7176, 7177, 7210, 7211, 7212, 7284, 7285, 7286, 7287, 7288, 7289, 7290, 7291, 7292, 7294, 7295, 7296, 7297, and 7298.

Violet ink was used for all field edit notes.

52. ADEQUACY OF COMPILATION

After application of field edit corrections, additions and deletions, compilation will be adequate.

53. MAP ACCURACY

No tests were made.

54. RECOMMENDATIONS

None offered.

55. EXAMINATION OF PROOF COPY

Not required.

GEOGRAPHIC NAMES

This is the subject of a separate report.

Submitted May 8, 1968

William H. Shearouse
Chief, Photo Party 60
Review Report
T-13006 thru T-13011
Chart Compilation Manuscripts

61. General Statement
See summary in preface.

62. Comparison with Registered Topographic Surveys
None

63. Comparison with Maps of Other Agencies
Comparison was made with the latest USGS quadrangle of the areas. See item 46 of the compilation report for a listing of these quads by individual T-sheets. A Corps of Engineers booklet comprised of photo-mosaics compiled in April 1966 was available throughout the project area for comparison. This was helpful in spotting the approximate location of range markers for use by field edit.

64. Comparison with Contemporary Hydrographic Surveys
None - no existing surveys in the area.

65. Comparison with Nautical Charts
None - no charts published for this area.

66. Adequacy of Results and Future Surveys
These surveys complied with the project instructions in every respect and meet the National Standards of Map Accuracy. Utilizing the latest analytic bridging methods, and following this with a B-8 stereoplotter compilation supplemented with a most thorough field edit, these manuscripts will provide a base for an excellent chart and any subsequent revision needs.
67. Geographic Names

A thorough geographic names investigation was conducted for this project. A listing of approved geographic names is included in each report.

Approved by,

[Signature]
Chief, Photogrammetric Br.

Reviewed by,

[Signature]
Cartographer

[Signature]
Chief, Photogrammetry Div.

[Signature]
Chief, Marine Charts Div.
GEOGRAPHIC NAMES
FINAL NAME SHEET

PH-6606 (Georgia - Florida border area)
T-13009

✓ Apalachicola River
✓ Beaverdam Creek
✓ Big Sweetwater Creek
✓ Blountstown
✓ Blountstown Landing
✓ Blue Spring
✓ Bristol
✓ Bristol Landing
✓ Brown Branch
✓ Bullhead Bay
✓ Calhoun Bridge
✓ Calhoun County - not compiled
✓ Caroway Bayou
✓ Cedar Bluff
✓ Coopers Landing
✓ Creech Pond
✓ Crooked Creek
✓ Durham
✓ East Minnow Branch - beyond limits
✓ Ferrell Branch
✓ Flat Creek
✓ Gadsden
✓ Galilee Church - not compiled
✓ Garner Branch
✓ Gin Branch
✓ Hickory Hill
✓ Graves Creek - unful.
✓ Aspalaga Landing
✓ Jim's Landing
✓ Jr's Landing
✓ Alum Bluff

Approved by:

A. Joseph Wright
Chief Geographer

✓ Hickory Landing
✓ Jackson County - Not Compiled
✓ Jenkins Creek - Beyond limits
✓ Johnson Creek
✓ July Lake - Not Compiled
✓ Kelley Branch
✓ Kennys Mill
✓ Lake Hilda
✓ Liberty County - Not compiled
✓ Little Sweetwater Creek
✓ Long Branch - beyond limits
✓ McNeal
✓ Mill Branch
✓ Mill Springs Church - not compiled
✓ Mud Swamp
✓ Mule Creek
✓ Neal Lumber Company Ditch
✓ Nettle Ridge Cemetery
✓ Ocheesee Creek
✓ Ocheesee Landing
✓ Parish Lake
✓ Peach Tree Ridge
✓ River Hill Church
✓ Rock Bluff
✓ Rock Creek
✓ Rock of Will Church - not compiled
✓ Rock Bluff Landing - unful.

Prepared by:

Frank W. Pickett (4/6/65)

Frank W. Pickett
Cartographic Technician

Continued page 18
T-13009 continued:

- Rosedale
- Scotts Corner
- Selman Ditch
- Shady Grove - beyond limits
- Short Branch - beyond limits
- Short Creek
- Simmons Creek
- Sinai
- Sinai Cemetery - not compiled
- Sinai Spring - not compiled
- Smokehouse Creek
- Spots Branch
- Spring Branch - not compiled
- Stafford Creek
- Starvation Creek - beyond limits
- Station Branch
- St. Rose Church - not compiled
- St. Stephens Church - not compiled
- Sutton Creek
- Sutton Lake
- Sweetwater
- Telogia Creek
- The Bayou
- Torreya State Park
- Turkey Creek
- White Branch - beyond limits
- White Springs - not compiled
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**Nonrotation Aids for Charts**

U.S. Department of Commerce

[Signature]

April 25, 1968

(Chesapeake Bay, Va.)
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**Note:** The positions given have been checked after sighting by [Signature]

The box marked "WARNING" the chart indicates that the following objects which have (check) been inspected from seaward to determine their relative positions to

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**Montaging Aids for Charts**

Coast and Geodetic Survey

U.S. Department of Commerce

Chart 

T. 13009

March 25, 1968