<table>
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<th>Type of Survey</th>
<th>CHART COMPILATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>PH-6606</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-13007</td>
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</table>

**LOCALITY**

State: GEORGIA—ALABAMA—FLORIDA

General locality: CHATTahoochee—APALACHICOLA

Locality: CHATTahoochee, FLORIDA

1965-68

CHIEF OF PARTY
V. Ralph Sobieralski
Div. of Photogrammetry, Wash., D.C.

LIBRARY & ARCHIVES

DATE
DESCRIPTIVE REPORT - DATA RECORD

T - 13007

PROJECT NO. (III):
PH-6606

FIELD OFFICE (II): CHIEF OF PARTY

PHOTOGRAFMETRIC OFFICE (II):
OFFICER-IN-CHARGE

Rockville, Maryland
V. K. Ralph Sobiersalski

INSTRUCTIONS DATED (III) (IV):
July 29, 1965
Amendment 1. August 23, 1965
New Schedule June 15, 1966
Instructions January 10, 1967
Instructions February 2, 1967

METHOD OF COMPIILATION (III):
Wild B-G

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):

GEOGRAPHIC 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):
STATE ZONE

X =

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (III) FIELD PARTY, (III) PHOTOGRAFMETRIC 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

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

PROJECTION AND GRIDS RULED BY (IV):
Marine Chart Section

PROJECTION AND GRIDS CHECKED BY (IV):
Marine Chart Section

CONTROL PLOTTED BY (III):
Henri Lucas

DATE
Sept. 67

CONTROL CHECKED BY (III):
John Richter

DATE
Sept 1967

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

DATE
July 1967

STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY
Henri Lucas

DATE
November 1967

CONTOURS

MANUSCRIPT DELINEATED BY (III): Field data applied by John Richter
Henri Lucas

DATE
July 1968
November 1967

SCIBING BY (III):

DATE

PHOTOGRAWMETRIC OFFICE REVIEW BY (III):
J. Battley

DATE
August 1969

REMARKS:
**Photographs (iii)**

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<td>M 665 to 671</td>
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<td>1:70,000</td>
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<td>Oct. 16, 1965</td>
<td>08:25-11:35</td>
<td>1:40,000</td>
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<td>L(C) 7188 to 7204</td>
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<td>L(C) 7207 to 7302</td>
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**Tide (iii)**

**Reference Station:**

**Subordinate Station:**

**Washington Office Review by (iv):**

**Proof Edit by (iv):**

**Date:**

**Number of triangulation stations searched for (ii):**

**Recovered:**

**Identified:**

**Number of BM(S) searched for (ii):**

**Recovered:**

**Identified:**

**Number of recoverable photo stations established (iii):**

**Number of temporary photo hydro stations established (iii):**

**Remarks:**

* 1:40,000 Color Photographs listed for complete project. Photographs used for field edit (additional Drainage, Navigational aids, Landmarks, Roads, Names etc.) were October 16, 1965:

- L 7178 to 7184 7261-7202
- 7233 to 7236 7238
- 7265-7266-7268
- 7279
Summary to Accompany
Descriptive Reports T-13006 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 adjust-
ment 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, 366 and 365. 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,

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 RG-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 IBM readout.

23. **Adequacy of Control**

All horizontal control was premarked with white panels with the exception of a subpoint for WEWAHITCHKA, EMPIRE SERVICE CO. SILVER TANK, 1934. One USGS station No. 1272 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,

/\[Signature\]

Irving L. Saperstein

Approved and forwarded,

/\[Signature\]

Henry P. Behar
Acting Chief, Aerotriangulation Section
ANALYTIC AEROTRIANGULATION
APALACHICOLA RIVER, FLA.
PH-6606
June 1967

1. Wewahitchka, Empire Service Co. Silver Tank
2. Bainbridge, Flint River Mill, Large Silver Tank

△ Control used in the adjustment

065M photos.
Compilation Report

Project PH-6606
T-13007
November 1967

31. Delineation

Compilation was done on the B-8 Plotter at manuscript scale 1:40,000. Color photographs (1:40,000 were also used to assist in 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

Color Aerial Photographs were flown at 1:40,000 for comparison or assistance during compilation, also U. S. Army Engineers Navigation Charts were used for the purpose mentioned above.

34. Contours and Drainage

The largest creeks and geographic named streams or creeks that are tributaries of the Chattahoochee and Flint Rivers, also ponds, lakes, swamps of importance are included on the manuscript. No contours.

35. Shoreline and Alongshore Details:

No Tidal Waters in this area. Piers, Boathouses or Shoreline structure are shown from Photo interpretation. Onshore buildings are shown that are not hidden by trees.

36. Offshore Details

None

37. Landmarks and Aids

None visible on models, but were identified during field-edit and transferred to manuscript and recorded on form 567.

38. Control for Future Surveys

None

39. Junctions

Three junctions. To the north junction with T-13006, South with T-13009 and East with T-13008. All part of 644 SC.

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, USGS quadrangles]
7.5 minute series, scale 1:24,000 dated 1955, Fairchild, Fla. Reynoldsville, Ga., Sneads, Florida, Chattahoochee, Fla., Desser, Ga., and USGS Army Corps of Engineers Navigation Charts for the Apalachicola, Chattahoochee and Flint Rivers were #327 Dated 4-66

47. Comparison with Nautical Charts.

No Coast and Geodetic Survey Nautical Charts in this area.

Approved by
K. H. Maki
Kal. N. Maki
Chief, Compilation Section

Submitted by
Henri Lucas
Cartographer
FIELD EDIT REPORT

JOB PH-6606

MAPS T-13006, T-13007 and T-13008

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 was made at close range. Where changes, additions, etc. are needed notes are recorded on the photographs, the photo numbers being shown on the field edit sheet.

There is a short section of the Apalachicola River on Map T-13007 in which three river navigation ranges exist. These are the only nonfloating Coast Guard maintained aids in these maps. Form 567 is submitted. For a detailed discussion of the location of the many ranges to the south on the Apalachicola river refer to Field Edit Report for Maps T-13009 and T-13010.

Coast Guard maintained buoys mark the main channels of Lake Seminole and the Flint and Chattahoochee Rivers. Other aids to navigation in Lake Seminole are shown as "Channel Markers" only. They are maintained by the Corps of Engineers and are not shown in the Light List nor has Form 567 been executed. The channel markers range from large stakes to 12 inch piling. Some have pointers on them but the majority do not. They are important because without them a boat operator would be in difficulty in some areas. Considerable effort was made to field locate and position them on the chart, all being shown with a circle approximately 0.6 mm in size. Methods of location were: (1) sextant fixes, (2) theodolite angle and distance, and (3) direct pricking where the marker is located in a constricted area, a point of land or in the mouth of a creek where direct marking was considered of reasonable accuracy.

In addition to commercial traffic, Lake Seminole has been used for many years by non-registered vessels. This fact is noted on the chart in small white type signal letters generally near the shore line.
developed by the Corps of Engineers as a recreational area. There are many landings, picnic sites and camping areas. At each there is a small-boat ramp which has been indicated on a photograph and listed on the field edit sheet. The Engineers have assigned names to these landings and they have been shown on an oxalid print labelled Field Edit Sheet No. 2.

When the lake was formed by the dam that backed up the waters of the Chattahoochee and Flint rivers, which converge at the Jim Woodruff Lock and Dam, many square miles of low, swampy area were inundated, causing the cypress and other swamp-type trees to die. There are now vast areas of these, on down to single trees and snags. The compiler designated most of these as "Cypress" or "Scattered Cypress". They should be relabelled "Dead trees, snags and stumps" unless otherwise noted on the field edit sheets. Most of this discussion refers to Map T-13007 which Field Edit Sheet has many notes regarding the situation. Special effort should be made to show these objects by delimiting lines and label or by symbol. Most of them have been indicated on the photographs. (It would appear that they should be quite clear on the transparencies.) It is also suggested that the note "Caution should be used when navigating outside the marked channels as there are areas of submerged snags and stumps throughout the lake", or a similar appropriate one be shown on the chart.

The Corps of Engineers has cut a number of channels through the thickest of these foul areas. Most of them are quite clear to the mariner and he is aided by pointers attached to trees. The approximate centerlines have been sketched on the photos, reference being made on the field edit sheet.

All main roads and highways were ridden to verify existence. Deletion of certain farm and woods roads not considered worthy of mapping has been recommended by X'ing off on the field edit sheet and/or photographs. Highway numbers have, in most cases, been entered on the field edit sheet. However, county road maps are submitted as an aid in this matter as are city maps for aid in delineation of streets.

Isolated buildings and others considered of chart landmark value have been circled on the photographs. The numerous interior buildings that were compiled were not edited.

Landmarks for charts are reported on Form 567. Their approximate position is indicated on the field edit sheets with the photo number on which they are identified being listed.

Violet ink was used for notes except for one crowded area on T-13007 cronaflex where red and green were used for clarification.
3.

In addition to the cronaflex and field edit sheets, field edit information will be found on photographs as follows:

Map T-13006: 65L7247, 7252 thru 7256, 7258 thru 7260.

Map T-13007: 65L7178 thru 7180, 7182 thru 7184, 7198, 7199, 7201, 7202, 7233 thru 7238, 7261 thru 7268, 7279, 7280.

Map T-13008: 65L7190 thru 7194, 7196, 7197, 7219 thru 7224.

52. ADEQUACY OFCompilation

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

53. MAP ACCURACY

No tests were made. Sextant fixes were made using map details as angle objects and no difficulty was encountered, indicating good accuracy of map details.

54. RECOMMENDATIONS

None offered.

55. EXAMINATION OF PROOF COPY

It is suggested that a proof copy be sent to the Reservoir Manager, Corps of Engineers, U. S. Army, Chattahoochee, Fla. 32324, for examination. This suggestion is made in light of the fact that changes are continuously being made along the lake shore. Especially would this be appropriate if there is a considerable time lapse before publication.

GEOGRAPHIC NAMES

This is the subject of a separate report.

56. STATE BOUNDARIES

An attempt to obtain the legal description of the GEORGIA/FLORIDA and ALABAMA/FLORIDA boundaries was made. That information as furnished by authorities in Tallahassee does not appear to be very helpful. Mr. Jon Beasley, of the State Road Photogrammetry Department states that there are no monuments marking the boundaries in this area, to his knowledge. The Legal Description is included as a part of this report. Neither Alabama nor Georgia State authorities were contacted.
Photographs show the accepted lines fairly well. The GEORGIA/FLORIDA line has been drawn in its approximate position on photograph 65L7120. The Corps of Engineers have monumented points on this line near Lake Seminole. Positions were furnished and are a part of this report.

The ALABAMA/FLORIDA line has been drawn in its approximate position on photograph 65L7258. There is an east/west road that is the accepted State line, that has been projected through a point on a north/south highway and on through a poorly visible, very old surveyed line on the photograph, to the river. The accuracy of this line will be strengthened when triangulation station IRWIN is plotted, as this station falls on or very near the State line. (See Field Edit Sheet T-13066)

Submitted 6/29/68

William H. Shearouse
Chief, Photo Party 60
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 met 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-13007

Apalachicola Correction Institution
Apalachicola Northern
Apalachicola River
Atlantic Coast Line
Battle Pond
Bellevue Church
Boram Lake
Boykin Branch
Brickyard Pond
Buffalo Pond
Buttonwood Pond
Calvary Church
Central School
Charley Pond
Chattahoochee
Church of God
Circle Hill Church
Decatur County
Dell School
Desser Landing
Devils Den Spring Run
Drakes Still
El Bethel Church
Fairchild
Fairchild Cemetery
Fairchild School
Buena Vista Landing
Fairchild State Park
Cypress Pond Landing
Butlers Ferry Landing
Apalachicola Game Management Area

Approved by:

A. Joseph Wright
Chief Geographer

FDR School
Fishpond Drain
Florida
Polley Branch
Freeman Cemetery
Gadsden County
Galilee Church
Georgia
Grand Ridge Lookout Tower
Half Moon Pond
Ham Pond
Harding Heights
Harvel Pond
Hattie Pond
Heath Pond
Hebrew Church
Holy Neck School
Hospital Reservoir
Industrial Railroad
Inwood
Inwood Church
Jackson County
Jane Pond
Jim Woodruff Dam
Jinks
Jones Pond

Prepared by:

Frank W. Pickett
Cartographic Technician

continued page 19
T-13007 continued:

- Kemp Pond
- Kit Hole
- Lake Decatur
- Lake Seminole
- Lewis Pond
- Little Dothan
- Little Zion School
- Louisville & Nashville Railroad
- Mill Pond
- Moore Pond
- Mosel Chapel
- Mosquito Creek
- Mount Pleasant Church
- Nash Pond
- Ned Pond
- North Mosquito Creek
- Oak Grove Church
- Ocheesee Pond
- Parramore
- Pope Cemetery
- Race Pond
- Randolph Cemetery
- Ray Lake
- Reynoldsville
- River Junction
- Rock Pond
- Salem Church
- Parramore Landing
- Rays Lake Landing
- Lake Decatur N&L Landing
- Hickory Pond
- The Flats
- Grassy Flats
- Coleman Lake
- River Road
- Cummings Landing
- Island Point Access Area
- Booster Club Landing
- Flint River Park
- Egst Bank Access Area
- Jim Woodruff Lock and Dam
- Sand Lake
- Sand Pond
- Seaboard Coast Line
- Sealy Springs Lodge
- Seminole County
- Shackleford Springs Run
- Shady Grove Church
- Shelter Bay
- Sixteenth Hill
- Sneads
- South Mosquito Creek
- Spring Creek
- Spring Creek Church
- Star Bethel Church
- State 271 (River Road)
- State Hospital Cemetery
- St. Peter Cemetery
- Sugar Mill Pond
- Sylvania School
- Tabernacle Church
- Thompson Pond Ditch
- Trawick Cemetery
- Turtle Shell Pond
- Wells Pond
- Wash Pond
- White Cemetery
- Yarb­er Pond
- Silver Lake
- Spring Creek
- Spring Creek No. 2 Access Area
- Seminole State Park
- Saunders Landing
- West Boatway
- Sealy Point Access Area
- Rattlesnake Point
- Tobacco Patch Lake
- Merritts Lake
- Fort Scott
- Blue Springs Landing
- Three Rivers State Park
- Sneads Municipal Park
- Spring Creek Landing
- Spring Creek to Flint River Channel
**STATE GEORGIA - FLOIDA**

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<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE*</th>
<th>LONGITUDE*</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<td>84 35.9</td>
<td>N.A. Photo Plot</td>
<td>1927 T-13008</td>
<td>6/17/68</td>
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<td>84 45.8</td>
<td>48.707</td>
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<td>T-13007</td>
<td>6/17/68</td>
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<td>84 53.3</td>
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</tbody>
</table>

*This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 21 inclusive, and Fig. 79. Positions of charted landmarks and non-floating aids to navigation, if reetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.*
**NONFLOATING AIDS OR LANDMARKS FOR CHARTS**

Chattahoochee, Fla.  June 7, 1963

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

The positions given have been checked after listing by Dennis E. Hearne

William H. Shearouse  Chief of Party

<table>
<thead>
<tr>
<th>STATE</th>
<th>FLORIDA</th>
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<tbody>
<tr>
<td>CHARTING NAME</td>
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<td>LAKE SEMINOLE, APALACHICOLA BAY</td>
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<tr>
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</tr>
<tr>
<td><strong>07 Dayb</strong></td>
<td>Range W Front</td>
</tr>
<tr>
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<td>30 40.7 37.065</td>
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<td>O-7 Dayb</td>
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<td>Range W Rear</td>
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<tr>
<td></td>
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<td>08 Dayb</td>
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<td>Range Y Front</td>
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This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-35, 2-39, 6-36, 7-18 to 22 Inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS