13008

13008

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey CHART COMPILATION

Field No. PH-6606 *Office No.* T-13008

LOCALITY

State FLORIDA

General locality APALACHICOLA RIVER

Locality BAINBRIDGE

1968

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

(1)

FORM C&GS-181a
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T -13008

PROJECT NO. (III):

PH-6606

FIELD OFFICE (II):	CHIEF OF PARTY
PHOTOGRAMMETRIC OFFICE (III):	OFFICER-IN-CHARGE
Rockville, Maryland	V. Ralph Sobieralski

INSTRUCTIONS DATED (II) (III):

July 29, 1965
Amendment 1 August 23, 1965
New Schedule June 15, 1966
Instructions January 10,1967
Instructions February 1967

METHOD OF COMPILATION (III):

Stereoscopic compilation B-8 Stereplotter

MANUSCRIPT SCALE (III):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:40,000	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):	VERTICAL DATUM (III):
N. A. 1927	MEAN SEA LEVEL EXCEPT AS FOLLOWS: *Elevations shown as (25) refer to mean high water* *Elevations shown as (5) 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 (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.

USCOMM-DC 16276A-P61

(2)

FORM C&GS-181b
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-13008

FIELD ~~INSPECTION~~ BY (II): Edited by William H. Shearouse	DATE: June 29, 1968
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): No Tidal Waters	
PROJECTION AND GRIDS RULED BY (IV): L. Van Zant Marine Charts ~~Section~~ Division	DATE 2-24-67
PROJECTION AND GRIDS CHECKED BY (IV): Marine Charts ~~Section~~ Division	DATE
CONTROL PLOTTED BY (III): John C. Richter	DATE Sept. 1967
CONTROL CHECKED BY (III): Martha Webber.	DATE Sept. 1967
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): Irving Saperstein	DATE July 1967
STEREOSCOPIC INSTRUMENT COMPILATION (III): J. B. Phillips — PLANIMETRY	DATE December 1967
CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): Field Edit Rose Anne Youngblood J. B. Phillips	DATE July 1968 March 15, 1968
SCRIBING BY (III):	DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): J. Battley	DATE August 1969
REMARKS:	

USCOMM-DC 36393B-P66

(3)

FORM C&GS-181c
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-13008

CAMERA (KIND OR SOURCE) (III):
RC-9 Camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
65M 633-637	Oct.24, 1965		1:70,000	No Tidal Waters
65L (C) 7190-7196	Oct. 16, 1965		1:40,000	
65 L (C) 7218-7225	Oct. 16, 1965		1:40,000	

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:			
SUBORDINATE STATION:			
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): J. P. Battley — DATE: May 1969

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:
Photographs used for field edit (additional drainage navigation aids, landmarks, roads, names etc.) were Oct. 16 65L 7191 to 7196
7221 to 7224

(4)

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).

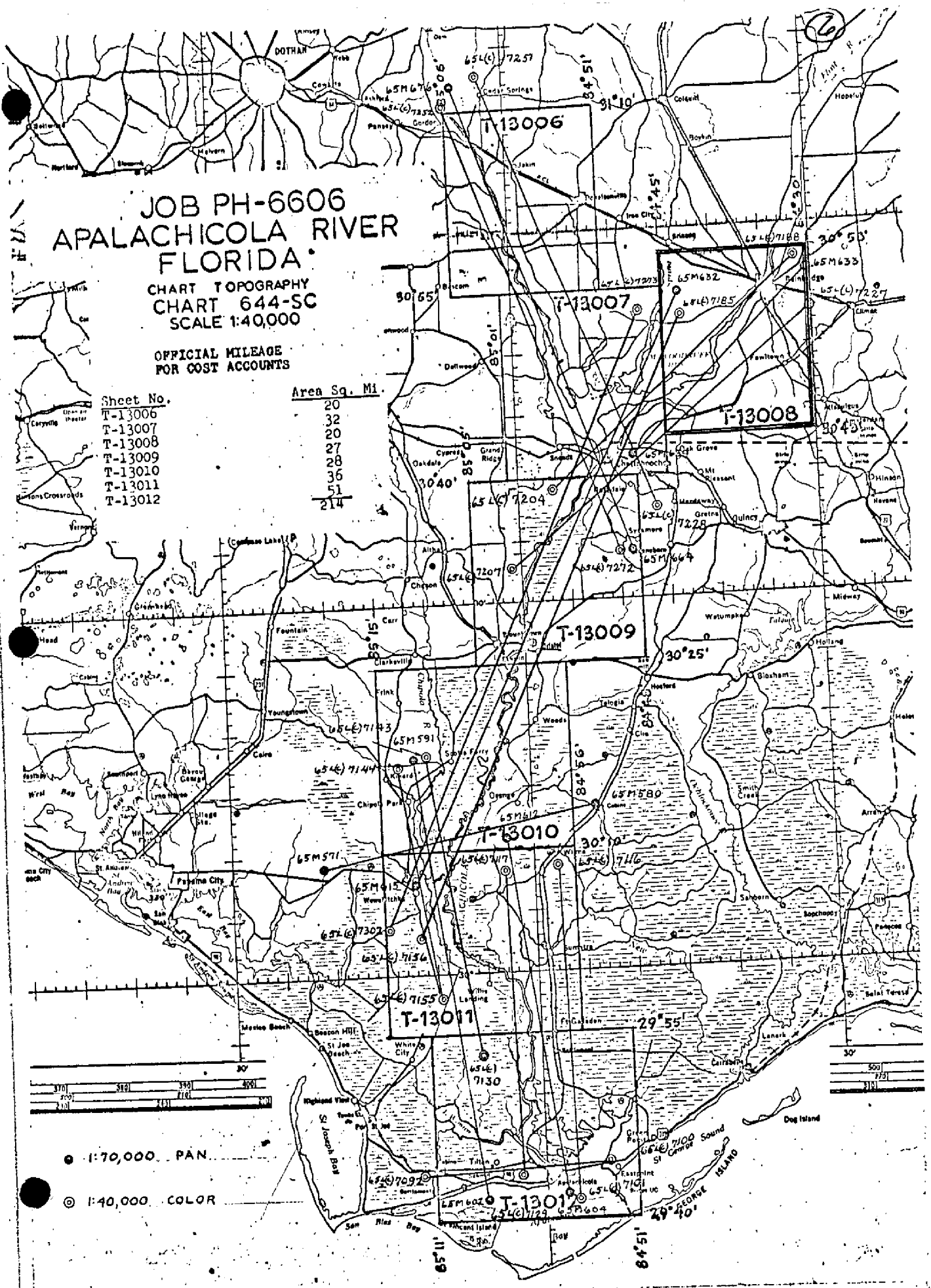
Field inspection of the project area was limited to the premarking of control and was completed in September 1965. The area was flown in October 1965 providing 1:70,000 scale panchromatic bridging photography, 1:40,000 scale compilation photography and 1:15,000 scale color for location of aids.

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 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 projectwwas set aside for higher priority work.


JOB PH-6606
APALACHICOLA RIVER
FLORIDA
CHART TOPOGRAPHY
CHART 644-SC
SCALE 1:40,000
OFFICIAL MILEAGE
FOR COST ACCOUNTS
Sheet No. Area Sq. Mi.
T-13006 20
T-13007 32
T-13008 20
T-13009 27
T-13010 28
T-13011 36
T-13012 51
214
T-13006
T-13007
T-13008
T-13009
T-13010
T-13011
T-13012
1:70,000 PAN
1:40,000 COLOR

(7)

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 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.

(10)

COMPILATION REPORT
PROJECT PH- 6606
T-13008
APALACHICOLA FLORIDA
DECEMBER 1967

31.Delineation

This manuscript was compiled on the B-8 Stereoplotter using 1:70,000 M Photography taken in 1965. The manuscript was delineated at 1:40,000 scale. To assist in interpretation color photography was available, 1965L at a scale of 1:40,000

32. Control

Control was adequate. See photogrammetric plot report.

33. Supplemental Data

— Geological Survey Quad. Bainbridge, Ga. 1955 scale 1:62,500 for Geographic names standard.

34. Contours and drainage

Contours inapplicable.
Drainage- Drainage is shown on the manuscript.

35. Shoreline and Alongshore Details

The shoreline was delineated by office interpretation of the photographs. Delineation of grass in water, Hyacinth and numerous apparent snags requires clarification by field edit. (see edit report)

36. Offshore Details

None

37. LANDMARKS AND AIDS

Triangulation stations Silver Tank and Municiple Standpipe may be recommended as landmarks,

Field edit was done 6-29-68, Landmarks and Aids were located and transferred to this manuscript and listed of form 567.

38. Control for future Surveys

None

39. Junction

Junction has been made and is in agreement to the West with T-13007. There are no other contemporary surveys to junction with.

40. Horizontal and Vertical Accuracy

No comment.

41.-45.

None

(11)

46. Comparison with Existing Maps

Comparison has been made with Geological Survey Quad. Bainbridge, Ga. 1955 Scale 1:62,500.

47. Comparison with Nautical Chart

No Chart of this area.

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

Submitted by

J. B. Phillips
Cartographer

(12)

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 cronaflex, 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

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 thefield edit sheet. The Engineers have assigned names to these landings and they have been shown on an ozalid 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. Theapproximate 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.

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 OF COMPILATION

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 ABABAMA/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 65L7180. 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 stregthened when triangulation station IRWIN is plotted, as this station falls on or very near the State line. (See Field Edit Sheet T-13006)

Submitted 6/29/68

William H. Shearouse
Chief, Photo Party 60

(16)

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 spoting 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,

Chief, Photogrammetric Br.

Chief, Photogrammetry Div.

Reviewed by,

Peter P. Bartley Jr
Cartographer

Chief, Marine Charts Div.

(18)

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6606 (Georgia - Florida border area)

T-13008

Bainbridge
~~Baltou Creek~~ not compiled
Bateau Pond
Bethany
Big Horseshoe Bend
Big Slough
Black Jack Pond
Butlers Creek
Commodore Decatur Airport
Curry Hill
~~Cyrene~~ not compiled (off sheet)
~~Dry Creek~~ not compiled
~~Duck Pond~~ not compiled
~~Emanuel Church~~ not compiled
Faceville
Faceville Landing
Flint River
~~Fountain Head Church~~ not compiled
~~Fountain Pond~~ not compiled
Fourmile Creek
Fourmile Pond
~~Fowlstown~~ not compiled (off sheet)
~~Fowlstown Swamp~~ not compiled
Georgia State Docks
~~Ginhouse Creek~~ not compiled
Big Slough Park Access Area FWP AJW
Bainbridge Municipal Park FWP AJW
Bainbridge By-pass Park FWP AJW

~~Highway Church~~ not compiled
~~Lake Decatur~~ not compiled (off sheet)
Lake Douglas
Lake Seminole
~~Little Attapulgus Creek~~ (off sheet)
Little Horseshoe Bend
Long Pond
~~Magnolia Church~~ not compiled
~~Mt. Neba Church~~ not compiled
~~Mt. Olive Church~~ not compiled
~~Mt. Zion Church~~ not compiled
~~Mt. Zuba Church~~ not compiled
~~New Salem Church~~ not compiled
~~Parramore Creek~~ not compiled
Peter Pond
Recovery
Sanborn Creek
Seaboard Coast Line
Silver Lake
~~Spring Creek~~ not compiled (off sheet)
~~Taylor Road~~ (off sheet)
Twin Lakes
West Bainbridge
~~Willacoochee Creek~~ not compiled
Ten Mile Still Landing FWP AJW
Hutchinson Ferry Landing FWP AJW
Hale's Landing FWP
Yankee Fence Bulkhead FWP AJW
Horseshoe Bend Landing FWP AJW

Approved by:

A. Joseph Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett (by AJW)
Frank W. Pickett
Cartographic Technician

C&GS FORM 567
(11-41)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS~~ OR LANDMARKS FOR CHARTS

19

TO BE CHARTED
~~DISCONTINUED~~
~~REVISED~~
} STRIKE OUT TWO

Chattahoochee, Fla. June 20, 1968

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

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

T-13008

William H. Shearouse
William H. Shearouse *Chief of Party.*

STATE GEORGIA - FLORIDA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	POSITION LATITUDE* ″ D.M. METERS	POSITION LONGITUDE* ° ′	POSITION LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	MARKER CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				43.5		56.2							
05 TANK	(ELEV) ht= 104 (200)′		30 54.7	1339.5	84 35.0	1492.5	N.A. 1927	Photo Plot T-13008	6/17/68				644-SC
				50.7		26.6	"	"					
06 TANK	(ELEV) ht= 131 (225)′		30 53.8	1541.3	84 36.4	706.5	"	"	"				"
				12.442		44.770	2	Photo Plot					
13 RADIO TOWER	skeleton steel ht= 200 (290)′		30 52.2	383.2	84 45.8	1189.3	"	T-13007	6/17/68				"
				46.134		43.852	"	"					
14 TANK	(ELEV) ht= 110 (312)′		30 42.8	1420.7	84 55.7	1166.8	"	"	6/16/68				"
				33.656		20.124	"	"					
15 STACK	brick, ht= 125 (225)′		30 42.6	1036.7	84 52.5	801.6	"	"	6/12/68				"
				08.191		15.578	"	"					
16 STACK	brick, ht= 151 (240)′		30 40.1	252.2	84 53.3	413.9	"	"	"				"
				27.938		31.752	"	"	5				
17 TANK	(ELEV) ht=163 (393)′		30 42.5	860.3	84 50.5	814.9	"	"	6/16/68				"
				29.367		30.726	"	"					
18 TANK	(ELEV) ht= 120 (230)′		30 42.5	904.3	84 52.5	817.6	"	"	"				"
				46.004		20.060	"	"					
19 TANK	(ELEV) ht= 101 (193)′		30 42.8	1416.7	84 53.3	933.8	"	"	"				"
			31 08	40.8	03	64.4	"	Photo Plot					
20 TANK	(ELEV) ht= 135 (235)′		~~30 00.8~~	1256.5	85 ~~05.7~~	1706.1	"	T-13006	6/13/68				"
			31 09	50.6	05	43.6	"	"					
21 TANK	(ELEV) ht= 160 (275)′		~~30 08.7~~	1558.3	85 ~~03.3~~	1154.8	"	"	"				"

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 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

USCOMM-DC 14234-P61