

Original

8373

Diad. in detail on Special Diag. Ch. No. 1007

8373

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>Topographic</u>	
Field No. <u>T-8373</u>	Office No. _____
LOCALITY	
State <u>Florida</u>	
General locality <u>Tampa Bay</u>	
Locality <u>Plant City</u> (<u>Ant</u> <u>qu</u> <u>A</u>)	
<u>194 3</u>	
CHIEF OF PARTY	
Ray L. Schoppe	- Field
Kenneth G. Crosby	- Compilation
LIBRARY & ARCHIVES	
DATE <u>Sept 25 - 1946</u>	

DATA RECORD

T-8373

Quadrangle (II): Antioch

Project No. (II): CS 290 B

Field Office: 1101 E. Broadway
Tampa, Florida

Chief of Party: Ray L. Schoppe

Compilation Office: "

Chief of Party: Kenneth G. Crosby

Instructions dated (II III):
Nov. 16, 1942Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 12/3/43

Reported to Nautical Chart Section: 12/4/43

Reviewed: 3/25/44

Applied to chart No.

Date:

Redrafting Completed: 5/19/44

Registered:

Published: 1944

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L. 1929

Reference Station (III): DC-121, 1939 (F.M.P.) R. 1943

Lat.: 28°01'55"944 (1722.1m) Long.: 82°14'41"720 (1139.6m) Adjusted
Unadjusted

State Plane Coordinates (VI): found on R card Florida West Zone

X = 420,987.21

Y = 134443.577

Military Grid Zone (VI)

"B"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
11736	Nov. 12, 1942		1:20,000	Inshore Sheet
11737	"		"	
11816	Nov. 13, 1942		"	
11817	"		"	
11818	"		"	

Tide from (III): --

Mean Range: --

Spring Range: --

Camera: (Kind or source) U.S.C. & G.S. 9 lens

Field Inspection by: Mr. Elliot Gillerman
Jr. Topo. Engineer

date: May, 1943

Field Edit by: *C.C. Fryer, Jr. Topo. Engineer*

date: *February, 1944*

Date of Mean High-Water Line Location (III):

Projection and Grids ruled by (III) B.R.C. & F.E.B. date: 4/22/43

" " " checked by: " date: 4/22/43

Control plotted by: B.R.Finch, Jr. Engr. Drafts. date: 8/16/43

Control checked by: H.W.Thune, Jr. Photo. Engr. date: 8/16/43

Radial Plot by: Tampa Office Personnel date: 8/19/43

Detailed by: M. Rutkin, Asst. Engr. Draftsman date: Oct.-Nov. 1943

Reviewed in compilation office by: *A.L. Midwell, Jr. Topo. Engr.*
J.H.S. Billmyer date: Nov. 1943
Asst. Photo. Engr.

Elevations on Field Edit Sheet

checked by: *C.C. Fryer, Jr. Topo Engr*

date: *February, 1944*

STATISTICS (III)

Land Area (Sq. Statute Miles); 65.8

Shoreline (More than 200 meters to opposite shore); --

Shoreline (Less than 200 meters to opposite shore); --

Number of Recoverable Topographic Stations established; --

Number of Temporary Hydrographic Stations located by radial plot; One
Topographic

Leveling (to control contours) - miles; 118.7

Roman numerals indicate whether the item is to be entered by,

(II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname
and initials (not initials only).

Remarks:

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S. 290-B, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs.

Contouring by planetable directly on the photographs. Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, driveways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Compilation on the map manuscripts by radial plot methods (celluloid hand templets) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the ~~Baltimore~~ Tampa Photogrammetric Office.

FIELD EDIT

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

COMPILATION REPORT
TO ACCOMPANY
SHEET NO. T-8373

26. CONTROL

Five control stations fall within the tracing limits of this sheet. Although these stations fall in the southern part of the quadrangle, they, in conjunction with the stations on the adjoining sheets, are sufficient to control the radial plot of the area covered by the sheet. All five stations could be "held to" in the plot.

27. RADIAL PLOT

The main radial plot is discussed in the compilation report for Sheet T-8368.

28. DETAILING

The photographs, from which the detailing was done, were of good scale and clear. The field inspection was satisfactory and complete, so no trouble was experienced in the interpretation of the photographs.

A slight discrepancy was found along the junction with sheet T-8374, where the road and railroad cross the junction at latitude $28^{\circ}06'13''$. This discrepancy was caused by correcting the position of a radial point on T-8373. The positions of the road and railroad are shown correctly on this sheet and the detail on T-8374 should be changed to agree. Other junctions agree satisfactorily.

29. SUPPLEMENTAL DATA

The only data used to supplement the photographs and field inspection was a map of Plant City which was obtained by the field party and loaned to the compiling office.

36. LANDING FIELDS AND AERONAUTICAL AIDS

One airplane beacon was shown on a field print and was picked direct on the survey sheet as a very definite radial point was picked approximately 40 meters from its location.

The position of this beacon is shown on attached form 567.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There were no existing standard topographic quadrangle maps available in the Tampa Office with which T-8373 could be compared.

45. COMPARISON WITH NAUTICAL CHARTS

None of the published nautical charts show the area covered by this sheet in detail.

Respectfully submitted,

Morris Rutkin,
Asst. Engineering Draftsman

Morris Rutkin

Forwarded by:

Kenneth G. Crosby
Kenneth G. Crosby,
Chief of Party...

LANDMARKS FOR CHARTS

TO BE CHARTED
~~FOR THE BEST INTEREST~~ } STRIKE OUT ONE

Tampa, Florida

November 30, 1943 19

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, be charted on (~~charts~~^{charts}) the charts indicated.

The positions given have been checked after listing

Kenneth G. Crosby

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. 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.

DESCRIPTIVE REPORT

QUADRANGLE T-8373 PROJECT CS 290 B

1. DESCRIPTION OF THE AREA.

The area involved is a 7 1/2 minute quadrangle bounded on the west by longitude 82° 15' 00"; on the north, by latitude 28° 07' 30"; on the east, by longitude 82° 07' 30"; and on the south, by latitude 28° 00' 00". The quadrangle is situated in Hillsborough County, Florida.

The area ranges in elevation from 37 feet above mean sea level(in the extreme northwestern corner of the quadrangle near the Hillsborough River) to 155 feet above mean sea level in the south central portion of the area(in the sand hills west of Plant City). The prevailing slope of the land is to the northwest, toward the Hillsborough River. The land configuration of the northern half of the area is smooth, and the area is pocketed with many small intermittent ponds and cypress swamps occupying depressions of from one to five feet below the general land surface. Many of these appear to have no definite drainage, whereas others are connected and drain into intermittent, but definite streams, the trend of which is northwest toward the Hillsborough River.

The southern half of the quadrangle is rougher and more wooded, with rolling hills and small lakes and numerous deciduous swamps in the low areas. The swamps are drained by streams trending north and northwest.

The southern half of the area is well populated, and much given to truck farming. A large portion of Plant City, a town of about 7500 inhabitants, is located in the southeast corner of the quadrangle. The northern portion is sparsely settled, roads are few and poor, and the area is used mostly for grazing purposes.

The extreme northwest corner of the quadrangle touches on the edge of a large and extensive swamp along the Hillsborough River.

2. COMPLETENESS OF FIELD INSPECTION.

The field inspection for the clarification and classification of detail was done on photographs 11735, 11736, 11737, 11817, 11818, and 11807, and has been completed. All roads, vegetation, culture, drainage, and boundary lines have been classified and clarified as explained below.

The railroads in the vicinity of Plant City are clarified on the photographs with the exception of that portion of the Seaboard Airline Railroad entering Plant City from the north and extending south and west through the central part of the town. A sketch of this portion of the railroad is attached to this report, showing the track layout. This is not to scale, but distances and street intersections are marked thereon.

A street map of Plant City is also attached. This is not up to date, and, accordingly, a few changes are noted upon it.

3. INTERPRETATION OF THE PHOTOGRAPHS.

Deciduous trees appear on the photograph in darker tones and, where isolated or in small clumps, appear as round ink spots. Evergreen trees have a lighter tone, and isolated evergreen trees throw elongated shadow. In general, a heavy growth of deciduous trees indicates a swamp and correspondingly low elevation, whereas higher ground which is not too wooded shows as a lighter grey. Orchards occupy high ground.

In sparsely wooded areas, darker tones indicate low ground and lighter tones indicate high ground. Numerous intermittent ponds show up as rounded spots simulating water spots on the photo.

5. VERTICAL CONTROL.

All supplemental level lines, along roads, trails, and ditch lines, were run by Walter G. Robohn, Sr. Photo. Aid. Elevations were placed at road intersections, and other identifiable points. Where the point was indefinite, stakes were used to provide greater accuracy for the contour party in locating the point. This is

primarily true of the northern half of the quadrangle. It is to be noted here that supplemental level elevations in this area are ground level elevation.

Bench marks in this area were established by the United States Coast and Geodetic Survey, the Hillsborough County Engineering Dept. and the W.P.A. in cooperation with the U.S.C&G Survey and the Florida State Survey in cooperation with the U.S.C&G Survey.

Bench marks which had not previously been located on the photographs, were searched for and those found were picked on the photographs direct. These included A106, B106, J105, and K105, all of which are newly established bench marks, having been placed in 1942, and H18, and F33. Five other bench marks--F35, F36, F37, F39, and F40 were searched for but could not be found. It is believed that the last two have been covered up or destroyed in the repaving of Alexander Avenue in Plant City, whereas the first three may have been destroyed in the construction or improvement of U.S.Highway 92.

This area was well covered with 1st and 2nd order level lines, so that the procedure of this party was to run 6 connecting lines between benches on these lines; after these lines were completed, the topographer and levelman decided where supplementary lines were needed and they were run between points on the main level loops.

After the line was run and an acceptable closure was attained, all the points were adjusted to the correct elevation. The greatest error of closure was 0.60' in the RAV line. Probably this line should have been rerun, but the topographer was on hand with his party to begin work in this area, so it was adjusted and not rerun. All other lines were closed with 0.40' and adjusted.

The points on this area were set in the center line of roads wherever possible. If no road was available, the points were on the ground at the base of a stake with a guard stake to aid in recovery by topographer.

A small builders level and stadia-type rods were used with a four man party. The instrument man kept his own notes and the "note-keeper" acted as a spotter for the rod men.

All recovery of B.M.'s was completed and proper notes submitted prior to the beginning of running the levels.

The elevations of points were inked on the photos after each line was completed and elevations were inked to hundreths.

No B. M.'s other than U.S.C&G S. were used. The total length of level lines was 118.7 miles.

6. CONTOURS AND DRAINAGE.

The contouring of quadrangle 8373 was done on Photos. # 11735, 11736, 11737, 11817, and 11818. The contours were located by plane-table method, with a party of four men, including an instrument man, a recorder, and two rod men. The plane-table location was taken from identifiable points on the photographs, and traverses were run from such points to the desired set-up.

The table was oriented by sighting at or along detail on the photograph wherever possible. In addition, a magnetic meridian was placed upon the photograph by setting up at a point where a strong orientation could be obtained. This was checked frequently and, with the aid of a declinator, was used to orient the plane-table when no other method was available. Standard topographic methods were used in carrying the location and in locating individual rod shots.

The error of closure of all traverses run was within the levels of error, both horizontal and vertical, allowable on this project. All major streams and lakes are marked on the photographs and classified. Their location was checked with the stereoscope and the plane table. It will be noted that some of the larger streams and lakes are shown as intermittent, and the permanent water line of the larger lakes is shown as having receded. This is correct as of the date of the completion of the

field work. However, the past season was one of abnormal drought, and excessive dryness. Ordinarily the large streams would carry water the year round, and the larger lakes would probably exceed even the limits shown on the photographs.

Much of the northern half of the area is covered by numerous small intermittent ponds and cypress swamps or ponds. The drainage of many of these is indefinite and seem to show no definite drainage, although others are connected by small ditches and intermittent streams. On the photographs enough of these swamps, ponds, and intermittent streams are indicated to enable the compilation office to pick them all out, since their appearance is characteristic.

In the southern portion of the quadrangle, there are many large marshes and swamps. These are indicated. In many of these, ditches run through them, but in others, the drainage is difficult to pick out due to the dense foliage and the fact that no definite drainage channels are present.

All major drainage ditches are indicated. Ditches alongside roads, small ditches and field ditches are not indicated.

13. LANDING FIELDS AND AERONAUTICAL AIDS.

No landing field are present within the limits of the quadrangle. However, an airplane beacon is located in the western part of the area and is indicated on the photograph.

14. ROAD CLASSIFICATION.

All roads have been classified in accordance with the instructions. Roads obscured by foliage were put in with the plane table and are indicated by a red line. Most of the roads are Rd. 4 or Rd. 2 with but one Rd. 1 - U. S. Highway 92. Names of roads are indicated where obtainable. Roads to be deleted are so indicated.

A street map of Plant City is attached hereto, showing names and classification of streets within Plant City. All streets in Plant City are Rd. 4 unless otherwise indicated.

15. BRIDGES.

All bridges have been classified according to the instructions by Mr. Clarence C. Fryer, Jr. Topo. Engineer.

16. BUILDINGS AND STRUCTURES.

All buildings in the quadrangle were checked and, if they should be shown on the compilation, they have been circled and identified. All buildings within Plant City which are not otherwise indicated are dwellings, except those within the blue line on Photo. 11807. These are ~~commercial~~ buildings as explained in a note on the photo. Names of all public buildings, churches, schools, etc. are indicated. Buildings obscured by foliage and new buildings were located by measuring from some identifiable detail, or put in with the plane table. These are blocked in. Any building not circled or blocked in is to be deleted.

17. BOUNDARY MONUMENTS AND LINES.

The boundaries of a small military reservation in the northern part of Plant City are indicated. These boundaries were obtained from the commanding officer of the reservation and were identified on the ground and the corners located on the photograph by the plane table.

The city limits of Plant City are marked on the photograph and were taken from the street map of Plant City attached and checked by markers on the main highways leading into Plant City.

18. GEOGRAPHIC NAMES.

The portion of the work covering geographic names was accomplished by Mr. Jack W. Stingley, Jr. Topo. Engineer, and is covered by a special report. *LR*

19. VEGETATION.

All vegetation was classified in accordance with the instructions, and so indicated on the photographs. The symbols are so placed as to enable the compilation office to determine the nature of the vegetation over the entire quadrangle.

JUNCTION.

Junction to the north with quadrangle 8366, and to the east with quadrangle 8372 were compared and checked in the field. No junction was made with quadrangle 8374 to the west as the work on this quadrangle has not been completed. To the south, no junction could be made as this area has never been mapped topographically, and is outside the area included within the present mapping project.

21. It is to be noted that the contouring and field inspection was delayed and handicapped by the fact that the contour party and the supplemental level party were forced to work out of the same truck. In addition the boundaries of the quadrangle were overdrawn on the west, east, and south some distance, thus extending the final date of completion of the work.

22. All additions, deletions, and corrections and classifications are indicated on the photograph. All drainage symbols are shown in blue; all cultural feature and vegetation are shown in red. Contours are drawn in brown, and elevations obtained by the plane table are indicated by a black x with the elevation in feet alongside. Supplemental level points are indicated by a blue dot, with the elevations alongside also in blue. Any feature to be deleted is so indicated by x's of the appropriate color -- blue for drainage, and red for culture.

Within Plant City, all buildings to be shown are circled. With the exception of those within the area enclosed by the blue line on photo 11807, the buildings are all dwellings unless otherwise indicated. Those buildings within the blue line area are commercial buildings. This pertains only to that portion of Plant City lying within the limits of quadrangle 8373.

Symbols used are those as listed in the instructions as to drainage, vegetation, and cultural features.

The levels for this quadrangle and that part of the report pertaining thereto were accomplished by Mr. Walter F. Robohn, Sr. Photo. Aid.

The field inspection and contouring and those parts of the report were accomplished by Mr. Elliot Gillerman, Jr. Topo. Engineer.

Respectfully submitted,

Elliot Gillerman
Jr. Topo. Engineer

Approved



Ray L. Schoppe
Comdr. U.S.C&G Survey
Chief of Party

FIELD EDIT REPORT TO ACCOMPANY
Quadrangle T-8373

For items 1, 2, and 3, refer to the Field Inspection Report.

4. Horizontal Control. Horizontal control was recovered and identified on the photographs prior to the time contouring was done. This was accomplished by W. Bever, Jr. Topo. Engr., and proper recovery notes submitted.

For items 5 and 6 refer to the Field Inspection Report. Items 7 through 12 are not applicable to this quadrangle. Refer to the Field Inspection Report for items 13 through 16.

17. Boundary Monuments and Lines. The street map of Plant City, mentioned in the Field Inspection Report, was not included with the report when it reached the field edit party.

For items 18 through 22, refer to the Field Inspection Report.

46. Methods. The field edit of this quadrangle was done by making a visual inspection of the area. Where it was necessary to add detail, measurements were taken from identifiable points on the manuscript, or taken directly from the photographs. All additions, corrections, and deletions have been made on the field edit sheets. Additions and corrections are shown in black; drainage and political subdivisions in blue; additions of contouring in brown; and deletions in green.


47. Adequacy of the Compilation. The compilation is adequate and with a few exceptions in the location of buildings, it may be said to be within the required limits of accuracy.

In many instances, low areas that contain water only in case of heavy rains, have been shown as marsh areas. These areas should not be considered as marsh areas, but rather as intermittent ponds. They are dry approximately 80 per cent of the year, and in a number of cases are under cultivation most of the year. There are a number of cypress swamps which contain water most of the year, and these are designated by the letters "Cy S W".

48. Accuracy Tests. For vertical accuracy test on work accomplished by Elliot Gillerman, refer to quadrangle T-8381.

For horizontal accuracy test, refer to section of traverse withheld on the Lakeland - Zephyr and Lakeland - Polk City traverses.

Approved:


Ray L. Schoppe

Chief of Party

Respectfully submitted:

C. C. Fryer
Jr. Topo. Engr.
March 2, 1944

Remarks

Decisions

1		280821
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		281821

GEOGRAPHIC NAMES

Survey No. T-8373

ANTIOCH quadrangle

Name on Survey

	A	B	C	D	E	F	G	H	K	
✓ Plant City	✓									1
✓ Reynolds Street										2
✓ Walden Road	✓									3
✓ Plant City Brick Road (part of State No. 29)	✓									4
✓ Plant City-Thonotosassa Road	✓									5
✓ Shilow (settlement?)										6
✓ Mt. Zion Church	✓									7
✓ Spartman Branch	✓									8
✓ Spartman Road	✓									9
✓ Turkey Creek	✓									10
✓ Turkey Creek Road	✓									11
✓ Mill Creek	✓									12
✓ Sweats Millpond	✓									13
✓ Cork Prairie	✓									14
✓ Cork Academy (both county map and names report spell it this way)	✓									15
✓ Cork School	✓									16
✓ Tom Black Road	✓									17
✓ Sam Allen Road	✓									18
✓ Bethany Church	✓									19
✓ Hartline Road	✓									20
✓ Knights	✓									21
✓ Knights School	✓									22
✓ Knights Methodist Church	✓									23
✓ Knights-Thonotosassa Road	✓									24
✓ Knights-Griffin Road	✓									25
✓ Knights Missionary Baptist Church	✓									26
✓ Moriczville	✓									27

T-8373

2

Remarks

Decisions

1		281822
2		"
3		"
4		"
5		280822
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		
17		OSGB
18		"
19		Railway Guide
20		" "
21		Road Maps
22		"
23		"
24		"
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8373

GEOGRAPHIC NAMES		Survey No. T-8373		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	
2	Name on Survey	A	B	C	D	E	F	G	H	K									
	<u>Two Hole Branch</u>																		1
	<u>Clay Gully</u>		✓																2
	<u>Hollomans Branch</u>		✓																3
	<u>Fort King Highway</u>		✓	(State No. 156)															4
	<u>Mountz Road</u>		✓																5
	<u>Antioch</u>		✓																6
	<u>Antioch Road</u>		✓																7
	<u>Antioch Church</u>		✓																8
	<u>McIntosh Road</u>		✓																9
	<u>Gallagher Road</u>		✓																10
	<u>Campbell Branch</u>		✓																11
	<u>Pemberton Creek</u>		✓	(continuation of Baker Creek, T-8374)															12
	<u>Moore Lake</u>		✓																13
	<u>Moore Lake Road</u>		✓																14
	<u>Snows Corner</u>																		15
																			16
	<u>Florida</u>		✓																17
	<u>Hillsborough County</u>		✓																18
	<u>Seaboard Airline Ry.</u>		✓																19
	<u>Atlantic Coast Line R.R.</u>		✓																20
	<u>U.S. No. 92</u> (Fla. 17)		✓																21
	<u>State No. 23</u>		✓	(in two directions from Plant City)															22
	<u>State No. 156</u>		✓	(across northwest corner of quad.)															23
	<u>State 315</u>		✓	(southward from Plant City)															24
																			25
																			26
																			27

Names underlined in red approved

by L. Heck on 4/19/24

M 234

Names underlined in red approved
by L. Heck on 4/19/24

RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.

published quadrangle at 1:20,000 scale
Black and white cloth-mounted copy of the ~~map~~
~~manuscript~~. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For ~~political boundaries~~, woodland, ~~march~~, and ~~swamp limits~~, refer to the published quadrangle for the finally adopted ~~positions~~. outlines.

Descriptive Report.

Division.

Filed in the Photogrammetric Section - Surveys Branch

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Reviewing Unit Section.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Original celluloid manuscript.

Copies of specifications and all instructions
to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

~~Special report on field work by Commander K. T.
Adams, 1944.~~

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L.
Gallen, 1944.

Season's report on field work by Commander R. L.
Schoppe, 1944.

Delivered to the Army Map Service in accordance
with the contract

Film negatives and film positives of the color
separation drawings.

All color separation drawings.

~~Original celluloid manuscript.~~

A correction sheet consisting of a copy of the
first edition of the quadrangle with notes in red
indicating changes desirable at the next printing.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8373

ANTIOCH QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy

Horizontal accuracy test -- see other side.

The nearest vertical accuracy test was run in quadrangle T-8381.

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

There are no previous topographic surveys in this area.

Comparison with Nautical Charts Nos.

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

There are no nautical charts which cover this area. It is an inland sheet.

HORIZONTAL ACCURACY TEST:

The accuracy test records on this quadrangle are lost at this date, 8/46. A considerable amount of third order traverse was run in this area and was used in part for control and reserved in part for testing after compilation. The area was well controlled and the reviewers notes indicate that the accuracy was within the required standards since no appreciable changes were made in the manuscript. The traverse records are filed in the Division of Geodesy but do not include a statement as to what part of the traverse was used for testing. The test records were to have been returned to the Division of Photogrammetry but cannot be found.

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Only changes of a minor nature were necessary during the review of this map manuscript.

Reviewed 3/25/44 By Zaira E. Schwaner
under direction of D. H. Benson (per W.M.)

Inspected by B. G. Jones B.G. Jones 8/46

Examined and approved:

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