

8395

Diag'd. on Diag. Ch. No. 1257-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photo Compilation

Field No. 290-B Office No. T-8395

LOCALITY

State Florida

General locality Tampa Bay Area

Locality Parish

1942-'44

CHIEF OF PARTY

R.L. Schoppe

LIBRARY & ARCHIVES

DATE June 2, 1949

8-1870-1 (1)

8395

DATA RECORD

W8395

Quadrangle (II): PARISH

Project no. (II): ²⁹⁰⁸~~289~~

Field Office: Tampa, Florida Chief of Party: Ray L. Schoppe

Compilation Office: Tampa, Fla. Chief of Party: Ray L. Schoppe

Instructions dated (I I I): 11/16/42 Copy filed in ^{Division of}
~~Photogrammetry~~ ^{Photogrammetry} Office Files.

Completed survey received in office: May 17, 1944

Reported to Nautical Chart Section:

Reviewed: ⁶⁻³⁴⁴ June 2, 1944 Applied to chart No. 586 Date: 5/16/47

Redrafting Completed: June 20, 1944

Registered:

Filed 688 April, 1945

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (II): 1.00

Geographic Lat. (III): N.A. 1927 Lat. Plane (III): M.S.L. 1929

Reference Station (II): PARISH, 1934

Lat: 27°35'25.656" (789.7M) Lon. 82°23'20.158" (552.9M) Adjusted
~~#####~~

State Plane Coordinates (VI):

X = 374,021.09

Y = 1,183,964.27

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>State of Tide</u>
11631	11/12/42	--	1:20,000	--
11646	"	--	"	--
11647	"	--	"	--
11648	"	--	"	--
11692	"	--	"	--
11693	"	--	"	--

Tide from (III): --

Mean range: --

Spring range: --

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

Contours and
Field Projection by: E. Gillerman

Date: Feb., 1944

Field Plot by: E. Gillerman

Date: Feb., 1944

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

Projection and Grids ruled by (III) Wash. Office

Date:

" " " checked by: " "

Date:

Control plotted by: V.F. Simmons

Date: Jan., 1944

Control checked by: E.C. Andrews

Date: Jan., 1944

Manual Plot by: Tampa Office Personnel

Date: Feb., 1944

Detailed by: F.M. Gaines and David Singleton

Date: Apr-May, '44

Viewed in compilation office by: J.A. Giles

Date: May., 1944

Map Manuscript
Elevations on ~~W. 101.0~~ ~~22.5~~ ~~West~~
checked by: C.M. Allen

Set on MAR 08 1944

STATISTICS (IIA)

Land Area (Sq. Statute Miles): 36

Shoreline (More than 200 meters to opposite shore):
Previously reported

Shoreline (Less than 200 meters to opposite shore):
Previously reported

Number of Recoverable Topographic Stations established: --

Number of Temporary Hydrographic Stations located by radial
plots: --

Leveling (to control contours) - miles: 77

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

T-8395

This quadrangle, together with similar adjoining maps produced under Project C.S. 250A, 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:

PREPARATION OF BASE MAPS

Assembly into quadrangle base sheets by photographic means of previously produced planimetric maps of the area. These maps were compiled by this Bureau from aerial photographs taken in 1939 and were published in 1945 at the scale of 1:10,000. Lithographic prints of the quadrangle base sheets on cloth-mounted paper were furnished to the field parties and similar prints in red ink on celluloid sheets were furnished to the compilation office. T-5745744

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. The field parties were permitted to make field inspection notes either on the photographs or on the planimetric base sheet.

Contouring by planetable, directly on the photographs or on the planimetric base sheet at the option of the field party. The contouring for this quadrangle was done on the

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

Revision of the planimetric base map from the new photographs and addition of contours and corrections obtained by the field parties. No radial plot was made for this work.

FIELD EDIT

Comparison of a copy of the corrected 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.

DESCRIPTIVE REPORT TO ACCOMPANY
QUADRANGLE T-8395
Project CS 290 B

1. Description of the Area. This quadrangle lies within Manatee County, Florida, and falls within latitudes $27^{\circ}37\frac{1}{2}'$ and $27^{\circ}30'$; and longitudes $82^{\circ}22\frac{1}{2}'$ and $82^{\circ}30'$. It is low-lying and flat, no point rising above mean sea level more than fifty feet.

The Manatee River flows through the southern portion of the area, and drains, with its tributaries, Gamble Creek and Mill Creek, the southern and eastern portions of the quadrangle. The northwestern part of the quadrangle is drained by Frog Creek, which flows west to Tampa Bay. Along the northern edge, drainage is north toward the Little Manatee River.

The area is covered with swamps, and numerous small ponds which have no exterior drainage. Large swamps occur principally along streams, chiefly in the eastern and southern portions, along Gamble Creek southeast of Parrish. Many of the larger streams have been artificially straightened and deepened, and ditches have been dug to provide a better drainage system.

The swampy areas are covered with a heavy growth of deciduous and underbrush, and the higher ground is wooded with pine and palmettos. Large patches of grassland, almost devoid of trees, occur in the central portion.

The region is devoted, primarily, to grazing, with citrus growing and truck gardening ranking second. There are numerous truck gardens especially in the vicinity of Parrish, located just east of the center of the quadrangle. U. S. Highway 41 cuts across the quadrangle from northeast to southwest, as does the Seaboard Airlines Railroad main line; and a branch of the Atlantic Coast Line runs just within the western boundary.

2. Completeness of Field Inspection. The field inspection was completed on nine-lens aerial photographs Nos. 11691, 11692, 11693, 11647, 11648, and 11631. All drainage, vegetation, and cultural features are clarified and classified, and standard symbols used, as listed in the instructions. The area covered by the compilation was also field inspected on the photographs listed above.

3. Interpretation of the Photographs. Deciduous trees appear on the photographs as dark masses, and when isolated trees are present, they appear as small ink spots. Isolated evergreen have a more elongated shape, and when the pines are thickly bunched, the tone is much lighter than where deciduous occur.

A heavy growth of deciduous indicates a swamp, although many of the high sand ridges are overgrown with oak. The distinction

between the two is easily made after one is familiar with the photographs.

High spots are usually lighter in tone, and lower areas are darker. White areas, covered with trees or bare, indicate sand spots, and are almost invariably high. In general, citrus groves are found in high places.

4. Horizontal Control. Refer to report submitted by W. Bever, Jr. Topo. Engr., and party, on horizontal control.

5. Vertical Control. Vertical control for the planetable work was accomplished by James M. Grover, Photo. Aid, and party, using U. S. Coast and Geodetic Survey and Florida Survey bench marks. Because of the lack of topographic detail which ordinarily controls the location of control points, many of these points were necessarily marked with stakes. Some areas were so barren of detail as to make even the use of stakes unreliable. It was considered wise to leave these to the contour party, who, having both vertical and horizontal control, could more accurately spot elevations in these areas. A check of all lines was made by C. B. Taylor, Jr., Jr. Topo. Engr., and any missing stakes replaced and an elevation determined for the new stake.

6. Contours and Drainage. Contouring was accomplished by standard methods. Planetable locations were taken from identifiable points on the photographs, or short traverses were run from such points to the desired setups. The table was oriented by sighting at or along detail on the photograph wherever possible. In addition, a magnetic meridian was placed on the photographs with the aid of the declinator, by setting up at a point where a strong magnetic orientation could be obtained. This was checked frequently, and was used to orient the planetable when other methods could not be employed. Standard topographic methods were used in carrying elevations and in locating the individual rod shots. Very little hand leveling was used, as the area is open except along streams.

The drainage was identified and classified wherever possible. Streams were located by rod shots and measurements, and by the stereoscope. In some of the heavily wooded swampy areas, the drainage could not be definitely determined. These areas are marked "P.D.U." - Probable Drainage Unsurveyed. A definite distinction was made between swamps, marshes, grassy ponds, and intermittent ponds.

7. Mean High²Water Line. Refer to descriptive report for original planimetric maps.

8. Low-Water Line. Refer to descriptive report for original planimetric maps.

9. Wharves and Shoreline Structures. Refer to descriptive report for original planimetric maps.

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10. Details Offshore from the High-Water Line. Refer to descriptive report for original planimetric maps. On the north bend of the Manatee River, just within the western edge of the quadrangle, the compilation shows some old piling just offshore. The location of this is in error. The exact location is shown in black ink on the compilation.

ch letter
268-44
in Naut. Chls.
files

11. Landmarks and Aids to Navigation. Eleven beacons, as indicated on the compilation, in the Manatee River upriver from the western boundary of the quadrangle were checked by intersection. Positions of seven of the beacons checked satisfactorily, and these are indicated by a small check in black ink on the compilation. The four beacons whose positions were relocated are indicated by a black dot and circle in ink on the compilation.

One beacon, just upriver from Redfish Point, a group of six beacons downriver from Fort Hamer, and two beacons in the vicinity of Fort Hamer, none of which are shown on the compilation, were located by intersection and are shown on the compilation by a black dot within a circle, in black ink. Numbers of the beacons are indicated wherever obtainable. The other beacons have evidently been numbered, but the numbers have faded.

No. 40
No. 42
4 with no No.

Planetable location of these beacons shown on Planetable board. Not shown on T-8395 or on Nautical Charts because they are not Federally maintained.

The compilation shows two beacons in the upper reaches of the river, near the eastern edge of the quadrangle. These were checked, and one, Beacon No. 59, found to be destroyed. This is marked on the compilation. Three additional beacons in the area were located by rod readings.

No. 59
No. 59

In taking the cuts on the beacons, the table was set up over an H. and T. station, and oriented on another H. and T. station, and the cuts taken. The table was then moved to another H. and T. station and the procedure duplicated. Where necessary, intermediate traverse stations were set, and necessary cuts were taken after checking the position by resection on a second H. and T. station.

It has been called to the field party's attention that a portion of the radial plot for this quadrangle has been rerun. A check should be made to see that, if any of the H. and T. stations' positions are changed, a corresponding change is made in the beacon positions.

12. Hydrographic Control. Refer to descriptive report for original planimetric maps. (T-5895246)

13. Landing Fields and Aeronautical Aids. There are no landing fields or aeronautical aids within this quadrangle.

14. Road Classification. All roads were classified according to instructions, and the route numbers or names indicated wherever they were obtainable.

15. Bridges. Bridges will be classified during the field edit of this quadrangle.

16. Buildings and Structures. All buildings to be shown on the finished map have been circled in red and classified. Names of public buildings are included. In Parrish, buildings circled but not classified, are to be classified as dwellings.

17. Boundary Monuments and Lines. Political subdivisions are shown in red ink on 1:20,000 scale photograph No. 11646. Political subdivisions for the western part of the quadrangle will be found on photographs to be forwarded with quadrangle T-8394.

18. Geographic Names. This will be the subject of a *W* special report.

19. Vegetation. All vegetation has been classified according to instructions.

20. Junctions. Junctions to the north, east, south, and west have been checked in the field and found to be satisfactory.

21. Data. All contouring and field inspection was completed on 1:20,000 scale nine lens aerial photographs Nos. 11691, 11692, 11693, 11648, 11647, and 11631. Supplemental levels are shown on photographs 11692, 11693, and 11646, and on the compilation. Beacons in the Manatee River are checked and located on metal mounted compilation. *(filed with the map manuscript)*

The two prints of the quadrangle, and photograph 11646 and 11647 and 11648, are forwarded at this time. Other photographs will be submitted with adjoining quadrangles.

The colors of the beacons in the Manatee River should be ascertained during the field edit of this quadrangle.

46. Methods. The entire area was field inspected on the photographs, and no attempt was made to field edit the compiled portion of the quadrangle, except for checking the beacons in the Manatee River. It will be necessary to field edit the entire quadrangle.

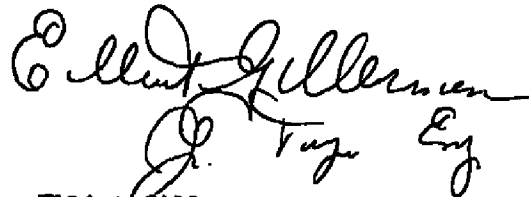
27. Adequacy of the Compilation. Errors in location of offshore pilings and beacons have been noted in black ink on the metal mounted print.

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48. Accuracy Tests. A horizontal accuracy test will be run over a portion of this quadrangle by the Geodetic Traverse party under the direction of Lieut. Comdr. G. W. Lovesee.

A vertical accuracy test will be run, and this report submitted at the time of the field edit report.

Respectfully submitted:



Elliot Gillerman
Jr. Topo. Engr.
March 7, 1944

Approved:



Ray L. Schoppe
Chief of Party

COMPILATION REPORT
To Accompany
SHEET NO. T-8395

26. CONTROL

Five control stations fall within the limits of the sheet and were recovered in the field. These stations were adequate for the control of the radial plot and all five could be held to.

27. RADIAL PLOT

A discussion of the main radial plot, of which this sheet was a part, is included in the compilation report for Sheet No. T-8384.

28. DETAILING

Two projections were furnished for this sheet to hasten the work. The north part of the sheet was compiled by one compiler and the south part, which was printed in red-line from a former compilation, was revised by another.

The southeastern part of the sheet had to be retraced to agree with the later radial plot.

The photographs were clear and of fair scale. The field inspection was adequate for detailing.

The boundary between precincts 9 and 15 should be extended westward on Sheet T-8396 and should follow the road on that sheet.

29. SUPPLEMENTAL DATA

No maps or plans by other organizations were used to supplement the field inspection and photographs.

34. LANDMARKS AND AIDS TO NAVIGATION

Non-floating aids to navigation on the Manatee River have been omitted from the sheet as their positions were in error. These aids will be investigated and correctly located on the 1:10,000 compilation. (7-5845)

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

No existing standard topographic quadrangle maps were available for comparison.

45. COMPARISON WITH NAUTICAL CHARTS

In comparing the sheet with U. S. C. & G. S. Chart No. 1257, (published June 1935 on a scale of 1:80,000), no outstanding discrepancies were noted, and minor ones would hardly show due to the great difference in scale.

Respectfully submitted,

Frances M. Gaines

Frances M. Gaines,
Photogrammetric Aid.

David G. Singleton, Jr.

David G. Singleton, Jr.,
Photogrammetric Aid.

Forwarded by

Ray L. Schoppa

Ray L. Schoppa
Chief of Party.

FIELD EDIT REPORT
To Accompany
SHEET NO. T-8395

46. METHODS

In editing the map compilation, all roads were traversed by truck. Due to the presence of many roads, walking was necessary only in a few places in order to make a visual inspection of all topographic features. All buildings, roads, ditches, etc. that were added to the compilation were plotted by measurements from topographic features.

The North half of the sheet was edited on the ozalid print of the map compilation. All additions, corrections and classifications were made in green ink. The South half of the sheet was edited on photostatic copy of the map compilation, in two parts. Yellow ink was used for all additions, corrections and classifications. Green ink was used for all deletions.

All citrus was classified by the field edit party. Where the trees are large and overlap the ground, they are classified as "A"; where they are small, or scattered they are classified as "C".

The elevations shown on the map compilation were not checked against those shown on the field photographs, as the photographs were not accessible to the field edit party.

47. ADEQUACY OF THE MAP COMPILATION

The compilation was found to be adequate and complete, except for the additions, corrections and deletions noted on the field edit sheet.

48. ACCURACY TESTS

A horizontal accuracy test was run in this quadrangle by a party under the direction of Lieut. Comdr. George W. Lovesee, and a separate report has been submitted.

A vertical accuracy test was run in this quadrangle by Mr. George E. Varnadoe and the contours were found to be within the limits of accuracy required. A separate report has been submitted.

14. ROAD CLASSIFICATIONS

All road classifications were checked in the field and corrections made where necessary. All roads not previously classified were classified according to instructions.

15. BRIDGES

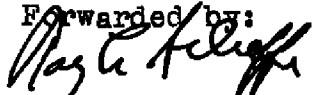
All bridges not previously classified were classified according to instructions and the classifications given to bridges by the field edit party are to supersede all other classifications.

Respectfully submitted,

Hiram B. Wright,
Photogrammetric Aid

May 22, 1944

Forwarded by:


Ray L. Schoppe,
Chief of Party.

Guin.

VERTICAL ACCURACY TEST

QUADRANGLE 8395

PROJECT CS-290 B

A vertical accuracy test in this quadrangle was accomplished by the writer on field photograph number 11693.

The test was accomplished by following a single contour and taking shots on the contour at intervals of approximately 150 feet, which are shown by red dots in prick holes.

The test proves the contours are within the limits of accuracy required.

Respectively submitted

George E. Varnadoe
George A. Varnadoe

T-8395

1

Remarks.

Decisions

1		USGB
2		
3		Railway Guide
4		"
5		275826
6		Road Maps
7		"
8		
9		274823
10		275823-24
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21	<i>deleted</i>	"
22		"
23	Pending with USGB. Name assigned to quad. is Parish, which is the p.o. spelling, but weight	"
24	of usage and recommendation of field party's names investigation is <u>Parrish</u>	"
25		"
26		"
27		"
M 234		

GEOGRAPHIC NAMES

Survey No. T-8395

Parish quadrangle

1 Name on Survey

	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	
A	B	C	D	E	F	G	H	K	
✓ Florida	✓								1
✓ Manatee County	✓								2
✓ Seaboard Air Line Ry	✓								3
✓ Atlantic Coast Line R.R.	✓								4
✓ Manatee River	✓								5
✓ U.S. 41/Fla. 5			(Tamiami Trail)						6
✓ Fla. 92, 309, (latter two places)									7
									8
✓ Rye Grade	✓ (road)								9
✓ Manhattan Cutoff	✓								10
✓ Mill Creek	✓								11
✓ Gates Creek	✓								12
✓ Gamble Creek	✓								13
✓ Fort Hamer	✓								14
✓ Shell Road	✓								15
✓ Devils Elbow	✓								16
✓ Redfish Point	✓								17
✓ Cypress Strand	✓								18
✓ Branches Hammock	✓								19
✓ Marsh Island	✓								20
✓ Main Branch	✓								21
✓ Milton Road	✓								22
✓ Barrish Parrish (Parish P.O.)	✓								23
✓ Parrish Methodist Church	✓								24
✓ Parrish Cemetery	✓								25
✓ Parrish School	✓								26
✓ Parrish Baptist Church	✓								27

5-20-49: Board has not yet
acted on this case. R.O. Spelling
preferred, pending its decision.

T-8395

Remarks.

2
Decisions

1		276823-24
2		"
3		"
4		- 123
5		"
6		"
7		"
8		"
9		275823 USGB
10		
11		
12		
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15		
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GEOGRAPHIC NAMES

Survey No. T-8395

GEOGRAPHIC NAMES												
Survey No. T-8395												
Name on Survey		A	B	C	D	E	F	G	H	K		
2	Parrish School (Colored)										1	
	Peters Church	✓									2	
	New Bethel Church	✓									3	
	Rye Road	✓									4	
	Parrish-Wauchula Road	✓ (No. 32)		Used w/ 1" ✓							5	
	Buckeye Road	✓ (No. 309)									6	
	Little Sawgrass	✓									7	
	Big Sawgrass	✓									8	
	Frog Creek	✓									9	
											10	
											11	
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											27	

Names underlined in red approved
by L. Heck on 6/7/44

M 234

Names underlined in red approved
by L. Heck on 6/7/44

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8395

PARISH QUADRANGLE, FLORIDA

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

See Field Edit Report, 48.

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.

T-5845 & T-5846 1/10000 which were used as a base for compiling T-8395.

Comparison with Nautical Charts Nos. 1257, 1/80000

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:

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.

Black and white cloth-mounted copy of the published quadrangle at 1:20,000 scale. 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 woodland, refer to the published quadrangle for the finally adopted outlines.

Descriptive Report.

Filed in the Photogrammetric Division.

Field inspection photographs.

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

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Review 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.

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 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.

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.

NAUTICAL CHARTS BRANCH

SURVEY NO. T 8395

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.