

8397

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. \_\_\_\_\_ Office No. T-8397

LOCALITY

State Florida

General locality Tampa Bay Area

Locality Hillsborough-Manatee Counties

Anna Maria Quadrangle

194 4

CHIEF OF PARTY

Ray L. Schoppe

LIBRARY & ARCHIVES

DATE November 12, 1946

8397

## DATA RECORD

T-8397

Quadrangle (II): ANNA MARIA

Project No. (II): CS 290 A

Field Office: War Mapping Field Chief of Party: Ray L. Schoppe  
Party # 2

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

Instructions dated (II III): 11/16/42 Copy filed in Descriptive  
Report No. T- (VI)Completed survey received in office: *No record*Reported to Nautical Chart Section: *1/26/45*Reviewed: *5/16/44* Applied to chart No. Date:Redrafting Completed: *6/30/44*Registered: Published: *1944*Compilation Scale: 1:20,000 Published Scale: *1:31,680*

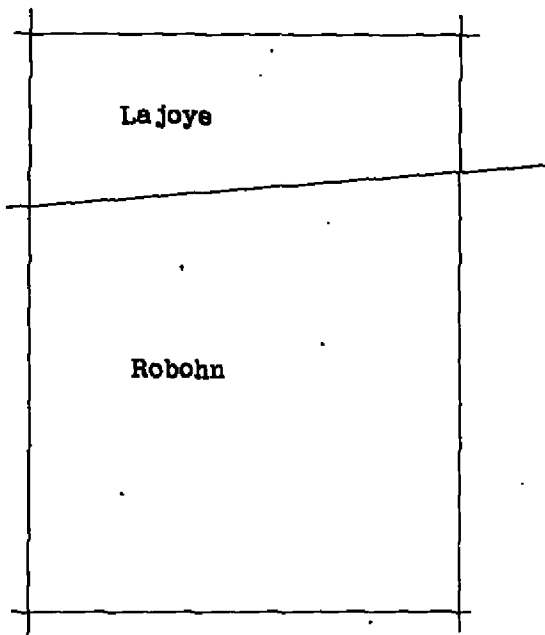
Scale Factor (III):

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

Reference Station (III): SNEADS, 1924

Lat.:  $27^{\circ}31'54.055''$  (1663.8M) Long.:  $82^{\circ}38'47.942''$  (1315.5M) Adjusted  
~~XXXXXXXXXX~~State Plane Coordinates (VI):  
*Florida, W. Zone*X = *290,426.53*Y = *1,162,921.93*

Military Grid Zone (VI) "B"



PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
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This sheet is a red-line celluloid print made from reductions of portions of sheets previously compiled on a scale of 1:10,000 as part of Project H.T.-242.

Tide from (III):

Mean Range:

Spring Range:

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

Field Inspection by:

date:

Field Edit by: J.C. Lajoie & C.C. Fryer

date: Feb., 1944

Contours by: J.C. Lajoie & W.F. Robohn

date: Feb., 1944

Date of Mean High-Water Line Location (III): See previous report.

Red-line celluloid print

~~XXXXXXXXXXXXXXXXXXXX~~ ruled by (III) Wash. Office date:

" " " checked by: " " date:

Control plotted by: Printed on sheet " " date:

Control checked by: " " date:

Radial Plot by: " " date:

Detailed by: Emma A. Worrell, Asst. Engr. Draftsman date: March, 1944

Reviewed in compilation office by: M. M. Slavney date: April, 1944

Elevations on Field Edit Sheet  
checked by: N. S. Allen

date: Feb. 1944



STATISTICS (III)

Land Area (Sq. Statute Miles): Previously reported

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:  
Previously reported

Number of Temporary Hydrographic Stations located by radial  
plot: Previously reported

Leveling (to control contours) - miles: 9.7

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-A, 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~~ on the scale of 1:10,000. Lithographic prints of the base sheets on cloth-mounted paper were furnished to the field parties.

### FIELD SURVEYS

No new photography was used in the preparation of this map.

Contouring and revision of the planimetric base map were by planetable methods. The completed field sheets were transmitted directly to the Washington Office as no photogrammetric work was involved in the completing of the base map.

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 base map. Contours, additions, and corrections were transferred directly from the field sheets to the appropriate color separation drawing by projector and inked. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680**



DESCRIPTIVE REPORT TO ACCOMPANY  
QUADRANGLE T-8397  
PROJECT CS 290 A

*On quadrangle  
T-8397. Not on 8397*

1. Description of the Area. This quadrangle embraces approximately eight square miles of land area on the south and east sides of Tampa Bay, which were completed by W. F. Robohn, Sr. Photo. Aid; and two off-lying keys (Mullet and Egmont Keys) completed by J. C. Lajoie, Prin. Photo. Aid.

Egmont and Mullet Keys are dotted with abandoned fortifications and foundations of old buildings, overgrown with palms and brush. However, in the southern portion of the quadrangle, there are two built up areas -- Anna Maria, located on Anna Maria Key, and Palma Sola, which is a suburb of Bradenton. Both of these divisions have street systems, although many of the thoroughfares are becoming impassable through disuse.

Outside of the urban areas, most of the land is devoted to truck gardening. The small docks are used mostly by local fishermen.

2. Completeness of Field Inspection. As a whole, the detail on the compilation is complete, except for the different classification symbols now used. These symbols have been changed, and the new ones added. A small area north of the west entrance to Palma Sola Bay has been filled in, and was re-inspected. This area is outlined in green on photograph 11485.

3. Interpretation of the Photographs. The photographs are not exceptionally clear, because of a number of clouds and their resulting shadows which make it difficult to identify the low areas which normally are much darker than higher ground. Buildings and roads are not easy to identify.

4. Horizontal Control. Horizontal control was previously classified according to instructions, and the report forwarded.

5. Vertical Control. Supplemental fly levels within the quadrangle were run by the party who also contoured the area. Elevations were determined at road intersections and other identifiable points. Level loops originated at and closed on Coast and Geodetic Survey bench marks, which were of at least second order accuracy. All bench marks known to be within the area were searched for and proper recovery notes submitted by W. Bever, Jr. Topo. Engr.

6. Contours and Drainage. Contouring was accomplished by standard methods, according to instructions. On Egmont\* and Mullet Keys, the area was generally level, and the only existing

\* on T8398



contours were around fortifications. Therefore no attempt was made to spot elevations in the flat areas.

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Drainage was checked in the field, and found to be correct as shown.

For items 7 and 8, refer to descriptive report for original planimetric maps.

9. Wharves and Shoreline Structures. A new dock has been constructed on Mullet Key, and is shown on the metal mounted print. It is somewhat shorter than the old pier, although constructed on the same alignment. That portion of the old pier which was removed -- that is, the portion to be removed from the compilation, has been deleted with green ink.

10. Details Offshore from the High-Water Line. The wreck of a vessel is lying off the Gulf of Mexico shore approximately halfway between Bradenton Beach and Anna Maria Beach. It is identified on photograph 11490.

11. Landmarks and Aids to Navigation. All beacons and lights within the limits of the quadrangle have been located. Those whose positions did not check with the positions shown on the compilation are encircled in black. Form 567 is submitted for all navigational aids. It should be noted that Beacon #2 has been removed, and a light installed (#2A).

12. Hydrographic Control. Hydrographic control was established by Photo. Compilation Party #1, in 1941. All hydrographic stations were occupied, except WOE 1941, in establishing the aids to navigation. All were found except MAR 1941.

13. Landing Fields and Aeronautical Aids. An emergency runway was found on Mullet Key, and is shown on the contour sheet.

14. Road Classification. Roads have been classified according to instructions, and labeled.

15. Bridges. Bridges have been classified for capacity, vertical and horizontal clearance.

16. Buildings and Structures. All buildings and structures of no value have been deleted, and any new ones added.



17. Boundary Monuments and Lines. Political subdivisions have been investigated and shown according to instructions. *see Des. Report for T-8390 for change in Pinellas-Hillsborough Co. Boundary line. (D.M. 10/25/46)*

18. Geographic Names. Refer to descriptive report for original planimetric maps. *L.H.*

19. Data. Contouring is shown on photographs 11485 and 11487, and levels are shown on photograph 11489. New field inspection is on photograph 11485. Verification of positions of nautical aids is shown on metal mounted sheet.

46. Field Edit Methods. Field edit for that portion of the quadrangle contoured by Mr. Lajoie was field edited by that party. Several trips were made across the island from east to west, and the density of vegetation was shown. All existing roads were checked, and several added in this portion.

Field edit for the remainder of the quadrangle was done by C. C. Fryer, Jr. Topo. Engr. For this portion, deletions, additions, and corrections have been noted on photographs 11487 and 11489. Additions and corrections are shown in red, and deletions in green.

47. Adequacy of the Compilation. The compilation was found to be adequate except for the additions, deletions, and corrections noted.

48. Accuracy Tests. For horizontal accuracy test, refer to quadrangle T-8399 and T-8400. For vertical accuracy test, refer to quadrangle T-8405.

Respectfully submitted:

John C. Lajoie  
Sr. Photo. Aid

*Walter F. Robohn*  
Walter F. Robohn  
Sr. Photo. Aid  
February 28, 1944

Approved:

*Ray L. Schoppe*  
Ray L. Schoppe  
Chief of Party

C. C. Fryer  
Jr. Topo. Engr.  
February 28, 1944



COMPILATION REPORT  
To Accompany  
SHEET NO. T-8397

28. DETAILING

Sheet T-8397 is a revision of a  $7\frac{1}{2}$  minute quadrangle made from portions of sheets previously compiled from aerial photographs on a scale of 1:10,000 as part of Project H.T.-242.

The quadrangle was furnished the compilation office in "red-line" on celluloid. Corrections and additions were made on this sheet in ink, from field edit notes, which were recorded on red-line paper prints similar to the celluloid sheet and on field photographs.

The southwestern city limit boundary of the town of Anna Maria is in doubt and is shown on a discrepancy overlay to be investigated in the field.

34. LANDMARKS AND AIDS TO NAVIGATION

Most of the non-floating aids to navigation on this sheet were checked by plane table and found to be in a different position from the former locations. It is quite probable that these beacons have been rebuilt. The new positions are listed on the attached Forms 567.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There are no standard topographic quadrangle maps of this area with which T-8397 could be compared.

45. COMPARISON WITH NAUTICAL CHARTS

In comparing the sheet with U. S. C. & G. S. chart No. 586, published March, 1935, (reissued, January, 1939), on a scale of 1:40,000, numerous shoreline discrepancies of a minor nature were noted. The topography features as delineated on T-8397 should supersede the charted information.

Respectfully submitted

*E. A. Worrell*

E. A. Worrell,  
Asst. Engineering Draftsman

Forwarded by

*Ray L. Schoppe*

Ray L. Schoppe,  
Chief of Party.

FIELD EDIT REPORT  
Quadrangle T-8397

46. METHODS

Only that portion of this quadrangle south of the Manatee River and south of Passage Key Inlet was field edited by this party, and this report deals with that portion. The greater part of the land area north of this line is restricted, and has been previously field edited, and covered by a separate report.

In editing the map compilation all roads were traversed by truck. Due to the presence of many roads the area was well covered by this method, and only in a few places was it necessary to walk in order to traverse the entire area.

All buildings, roads, ditches, etc., added to the compilation were plotted by measurements from topographic features, or by Plane Table methods.

All Citrus was classified as "Cit. Z", "Cit. X" or "Cit. W". All Mangrove unless otherwise classified should be considered as "ZY".

All additions, corrections and deletions are to be found on the Ozalid Print of the Map Compilation. In accordance with the instructions, black ink was used for all classifications and additions. Green ink was used for all deletions.

47. ADEQUACY OF THE COMPILATION

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

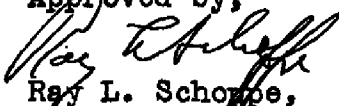
48. ACCURACY TESTS

Covered by a separate report.

14. ROAD CLASSIFICATIONS

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

Approved by,

  
Ray L. Schorpe,  
Chief of Party.

Respectfully submitted,

George E. Varnadoe,  
Prin. Photo. Aid  
May 8, 1944



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEYTO BE CHARTED } STRIKE OUT ONE  
~~TO BE CHARTED~~~~U. S. COAST AND GEODETIC SURVEY~~  
AIDS TO NAVIGATION

War Mapping Field Party # 2 April 25 1944

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

The positions given have been checked after listing.

Ray L. Schoppe

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE		DATUM							
		°	'	°	'								
							D. M. METERS						
Florida West Coast Tampa Bay	Egmont Channel	27	36	1717	82	44	914	N. A.	See report for previous compilation	✓		586	
	Range Rear Lt.	27	36	252	82	46	850	"	"	✓		1257	
	Egmont Key Shoal Bn. 12-A	27	36	1355	82	38	736	"	Plane Table	✓		"	
	Terrace Point Bn. 3	27	32	1349	82	38	1093	"	"	✓		"	
	Terrace Point Light 1	27	32	206	82	39	1204	"	"	✓		"	
	Manatee River Cut "D" Range Rear Light	27	32	163	82	40	216	"	"	✓		"	
	Manatee River Cut "A" Range Front Light 4	27	31	1751	82	39	1621	"	"	✓		"	
	Manatee River Cuts "A & C" Range Rear Light	27	31	1682	82	39	1255	"	"	✓		"	
	Manatee River Cut "C" Range Front Light 6	27	31	1667	82	39	466	"	"	✓		"	
	Manatee River Cut "D" Range Front Light 1	27	31	1373	82	38	1457	"	"	✓		"	
Manatee River Beacon 3	27	31	1068	82	38	1083	"	"	✓		"		
	Manatee River Beacon 8	27	31	1023	82	38	753	"	"	✓		"	
	Manatee River Beacon 5	27	31	811	82	38	498	"	"	✓		"	
	Manatee River Beacon 10	27	31					"	"	✓		"	

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.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED

STRIKE OUT ONE

AIDS TO NAVIGATION

War Mapping Field Party # 2 April 25, 1944

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.

Ray L. Schoppa

Chief of Party.

GENERAL LOCALITY		NAME AND DESCRIPTION		POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE		DATUM							
O	I	D. M. METERS	O	I	D. P. METERS										
Florida West Coast Tampa Bay		Iron Pipe - Bare 2' M. H. W.		27	31	695	82	41	526	N.A. 1927	Plane Table	1944	✓		586 1257
		Sarasota Pass Light 1		27	32	114	82	42	1353	"	"	"	✓		"
		Sarasota Pass Beacon 3		27	31	1163	82	41	1444	"	"	"	✓		"
		Sarasota Pass Light 4		27	31	167	82	41	1271	"	"	"	✓		"
		Bulkhead North Range Ft.Lt.5		27	30	1187	82	41	673	"	"	"	✓		"
		Bulkhead North (South) Range Rear Light		27	30	928	82	41	498	"	"	"	✓		"
		Bulkhead South Range Front Light		27	30	609	82	41	672	"	"	"	✓		"
		Sarasota Pass Beacon 2B		27	31	983	82	42	156	"	"	"	✓		"
		Sarasota Pass Light 2A		27	31	1371	82	42	396	"	"	"	✓		"

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.

**STRIKE OUT ONE**

**INDIVIDUALS OF INTEREST  
AIDS TO NAVIGATION**

~~TO BE DELETED~~ } STRIKE OUT ONE  
~~War Mapping Field Party # 2~~ ~~April 25, 1944~~  
 I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, be ~~deleted~~ (deleted from) the charts indicated.

The positions given have been checked after listing.

**Ray L. Schepp**

**Chief of Party.**

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.

T-8397

1

Remarks

Decisions

1	See nautical chart 586 for some names.	USGB
2		"
3		
4		
5		
6		Road Maps
7		
8		275826
9		"
10		"
11		"
12		"
13		"
14		274826
15	Pending with USGB	275826
16	Pending with USGB	"
17		275827
18		"
19		"
20		"
21		"
22		"
23		USGB
24		"
25		"
26		"
27		"



# GEOGRAPHIC NAMES

Survey No. T-8397

ANNA MARIA quadrangle

1	Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
✓	<u>Florida</u>									1
✓	<u>Hillsborough County</u>									2
✓	<u>Manatee County</u>									3
✓	<u>Tampa Bay</u>									4
✓	<u>Gulf of Mexico</u> ✓									5
✓	<u>State Road No. 18A</u> ✓									6
										7
✓	<u>Manatee River</u> ✓									8
✓	<u>Warner Bayou</u> ✓ (part of)									9
✓	<u>Palma Sola</u> ✓									10
✓	<u>Bishop Point</u> ✓									11
✓	<u>Shaw Point</u> ✓									12
✓	<u>Seven Pines</u> ✓									13
✓	<u>Palma Sola Point Bay</u> ✓									14
✓	<u>Perico Bayou</u> ✓									15
✓	<u>Lead Point</u> ✓ (not Palma Sola Point)									15
✓	<u>Perico Island</u> ✓									16
✓	<u>Sarasota Pass</u> ✓									16
✓	<u>Anna Maria Key</u> ✓									17
✓	<u>Jones Bayou</u> ✓									18
✓	<u>School Key</u> ✓									19
	<u>School Key Bar</u> ?									20
	<u>The Bulkhead</u> ?									21
✓	<u>Anna Maria</u> ✓									22
✓	<u>Municipal Pier</u> ✓									23
✓	<u>Bean Point</u> ✓									24
✓	<u>Passage Key</u> ✓									25
✓	<u>Passage Key Inlet</u> ✓									26
✓	<u>Southwest Channel</u> ✓									27

## Remarks

## Decisions

1		275827
2		276827-828
3		"
4		"
5		"
6		" USGB
7		
8	Pending with USGB	275826
9		"
10		"
11		"
12		" USGB
13		" "
14		"
15		" USGB
16		
17		
18		
19		
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26		
27		

# GEOGRAPHIC NAMES

Survey No. T-8397

GEOGRAPHIC NAMES												
Survey No. T-8397												
Name on Survey		A	B	C	D	E	F	G	H	K		
2												
✓	Southwest Channel Light ✓										1	
✓	Mullet Key ✓										2	
✓	Mullet Key Bayou ✓										3	
✓	Soldiers Hole ✓										4	
	<del>Deerwood Key</del> ✓ (very little of it here) Pass A Grille Quadrangle 15										5	
✓	Egmont Channel ✓										6	
											7	
✓	Emerson Point ✓ (not Snead Point)										8	
✓	Emerson Bayou ✓										9	
✓	Portavant Mound ✓										10	
✓	Snead Island ✓										11	
✓	Terra Ceia Bay ✓ (in part)										12	
✓	Terra Ceia Point ✓										13	
✓	Rock Point ✓										14	
✓	McGill Island ✓										15	
											16	
											17	
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											20	
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											22	
											23	
											24	
											25	
											26	
											27	

Names underlined in red opp. view  
by L. Heck on 5/31/41

M 234

Names underlined in red type  
by L. Heck on 5/31/47



## 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, ~~marsh~~, 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-8397

#### ANNA MARIA 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

The nearest horizontal accuracy test was run in quadrangles T8399 & T-8400.

The nearest vertical accuracy test was run in quadrangle T-8405.

#### 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-1316b	1:20,000	1873
T-1346a	1:20,000	1874
T-4210	1:20,000	1925-26
T-4211	1:20,000	1925-26

#### Comparison with Nautical Charts Nos. 586

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:

The details of T-8397 are complete and adequate for chart correction.



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.

Corrections made in red on the printed copies were items which were overlooked at the time of review but they will be changed at the next printing.

*See Report of T-8390 for Pinalles-Hillborough  
Boundary controversy. SW 10/28/46*

Reviewed May 16, 1944 By K. N. Mahi (per W.M.)  
under direction of D. H. Benson

Inspected by B. G. Jones

*B.G. Jones 8/46*

Examined and approved:

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