

8382

Diag'd. on Diag. Ct. 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-8382

LOCALITY

State Florida

General locality Hillsborough County

Locality Tampa

1943

CHIEF OF PARTY

Lieut. Comdr. Kenneth G. Crosby

LIBRARY & ARCHIVES

DATE September 25, 1946

8382

DATA RECORD

T- 8382

Quadrangle (II): Tampa

Project No. (II): CS 290 A.

Field Office: 1101 E. Broadway Chief of Party: Ray L. Schoppe
Tampa, Florida

Compilation Office: " Chief of Party: K. G. Crosby

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

Nov. 16, 1942

Completed survey received in office: 7/2/43

Reported to Nautical Chart Section: 7/3/43

Reviewed: 10/25/43 Applied to chart No. Date:

Redrafting Completed: 3/31/44

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.

Reference Station (III): Tampa City Hall, flagpole on dome (City Hall, 1926)

Lat.: 27° 56' 50".475 (1553.7 m.) Long.: 82° 27' 26".705 (730.0 m.)
Adjusted 1934
~~Unadjusted~~

State Plane Coordinates (VI):

X = 352,320.43 ft
Florida West Zone

Y = 1,313,785.02 ft

Military Grid Zone (VI)

B

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
11682	11/12/42	1:26	1:20,000	-0.2'
11683	"	1:27	"	"
11684	"	1:28	"	"
11653	Data not in this office			
11654	"			
11655	"			

For time and stage of tide for previous compilation see Descriptive Reports for T-5836 and T-5837 (Project H.T. 242)

Tide from (III): Predicted Tides, Tampa, Hillsborough Bay

Mean Range: 1.8

Spring Range: 2.4

Camera: (Kind or source) U.S.C&G S. 9 lens (8 $\frac{1}{4}$ " focal length)

Field Inspection by: C. C. Fryer, Jr. Topo. Engr. date: April, 1943

Field Edit by: date:

Date of Mean High-Water Line Location (III): Nov. 12, 1942

Projection and Grids ruled by (III) Wash. Office date: Jan. 1943

" " " checked by: " " date: Jan. 1943

Control plotted by: Project HT 242 date:

Control checked by: " " date:

Radial Plot by: " " date:

Revised by: M. M. Slavney date: May, June 1934
Detailed by:

Reviewed in compilation office by: Frank H. Elrod date: June, 1943
Sr. Photo. Aid

Elevations on Field Edit Sheet
checked by: C. M. Shinn, Jr. Ensign U.S.C&G S. date: Feb. 1943

STATISTICS (III)

Land Area (Sq. Statute Miles): 4.0 (compiled 1943) Remainder previously reported on 1942 compilations. Project H.T. 242

Shoreline (More than 200 meters to opposite shore): Reported for Proj
HT 242

Shoreline (Less than 200 meters to opposite shore): " "

Number of Recoverable Topographic Stations established: 1

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours)¹³⁶ - miles:

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 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.

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 planimetric base sheet.

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

Project CS 290 A - Quadrangle T-8382

The field work for quadrangle T-8382 was accomplished on a base sheet compiled in the Tampa office from existing planimetric maps, numbers

5. The level lines run for this quadrangle were inked on photographs 4073, 4075, 4091, and 4048. Thirty days were used to complete the level lines, check the level notes, and ink the correct positions and elevations of the control points on the photographs.

About 136 miles of levels were run in this quadrangle. The average closure of the combined loops was 0.17 foot. These notes will be found in field volumes 1, 2, 3, and 4.

Due to inability to obtain a truck at this time, approximately 102 miles of this line were covered on foot. While this condition caused more time to be expended in completing the project, one advantage thus gained was the almost perfect balancing of backsights and foresights. This resulted in the more accurate closure of the various loops comprising the network of levels.

The control points selected were, for the most part, road intersections, bridges, and distinct intersections of roads and orchard boundaries, tree boundaries, etc.

Much of this quadrangle lay in the business district of the city of Tampa.

6. The contouring on this compilation was done by the usual planetable

methods. The methods used in contouring were as follows: The planetable was set up, oriented, and its elevation established from a point of known elevation which had previously been established by the vertical control party (i.e. road intersections, bridges, fence lines, etc.). Horizontal distances were then read to the point of the contour elevation. Successive points were established by the same method within range of the planetable. The contour was then sketched in through the successive points. This method was repeated until all contours were established.

All closures of planetable traverse between vertical control were within the limits of error.

The three contour intervals within the limits of this quadrangle are the 20-, 40-, and 60-foot contour intervals. There are small areas within the limits that are above the 60-foot interval, but there are no areas where the elevation reaches 80 feet.

The lowest elevations within the limits of this quadrangle are found along the south and west boundaries. From these points, the elevations rise fairly evenly to the northeast to go slightly above the 60-foot contour interval.

9. There are several wharves and large shoreline structures within the limits of this quadrangle. The wharves are large enough in size to accomodate large ships. All of those of no value have been deleted from the compilation.

11. All new aids to navigation have been plotted from the geographic positions furnished by the U. S. Engineers office. The previously installed aids have not been checked for position but will be done

when the field work is done on the east portion of the compilation.

13. There is one landing field within the limits of this quadrangle.

It is known as the Peter O. Knight Field. It is used as a commercial field by passenger air lines and by privately owned planes. It is equipped with good runways, landing lights, two hangars, and all other equipment necessary for day or night flight. The United States Weather Bureau is located on this field.

*all commercial air traffic transferred to Drew Field in spring, 1946
KTP*

also transferred

14. All roads have been classified according to type. Those shown by solid double lines will be considered Class 2 roads, unless otherwise specified. Those shown by dashed double lines will be considered Class 4 roads unless otherwise specified.

15. All bridges have been classified as to capacity and horizontal and vertical clearance.

16. All buildings of any material value that are located in the rural area have been shown. Some of the smaller ones (i.e. small garages, sheds, and delapidated buildings) have been deleted. All of the public buildings within the urban area, as well as those private buildings that are visible along the shoreline have been shown.

17. The city limits of Tampa have been established from a city layout map from the office of the City Engineer and by inspection of signs or markers erected by the city of Tampa for the purpose of outlining the city limits.

All political subdivision boundary lines that will be shown on the finished map will have been taken from a published legal description of boundaries of registration and election districts of Hillsborough County. This publication was secured from the County Registration

Officer of Hillsborough County. No political subdivision lines will be shown on the field edit sheet.

Accompanying this report will be one copy of Legal Descriptions of Boundaries of Registration and Election Districts of Hillsborough County and one map of registration, election, and commissioners districts of Hillsborough County.

46. The field edit of this compilation was made by visual inspection of the area. All detail which was added to the compilation was done by measurement from definite points of detail as shown on the manuscript. All roads were classified after visual inspection.

47. It is believed that the compilation is now complete, after the addition of the new detail and the deletion of some which was already compiled. The accuracy of position of the plotted detail is within the limits of accuracy.

48. The vertical accuracy tests for this sheet were run by Charles Hanavich, Principal Photogrammetric Aid. The sections of the 20-foot contours tested on this sheet are within the required limits of accuracy as set forth in the instructions, and 5-foot contours can be added at a later date. These test contours are shown on the sheet by yellow lines connected to black dots; the black dots indicate the elevations on the contour ascertained in the field.

The test contours were run independent of this topographic sheet on a copy of the map assembly and then transferred to same sheet and checked.

The levels for this quadrangle were run by Mr. James M. Grover, Photogrammetric Aid, and that portion of this report dealing with levels

was written by Mr. Grover.

The contouring for this quadrangle was done by Mr. Joseph K. Wilson, Engineering Aid, and that portion of this report dealing with contours was written by Mr. Wilson.

The field edit on this compilation was done by Mr. Clarence C. Fryer during the month of April, 1943. The main body of this report was written by Mr. Fryer.

Respectfully submitted,

Clarence C. Fryer

Clarence C. Fryer
Jr. Topo. Engr.

Approved

Ray L. Schoppe

Ray L. Schoppe
Chief of WMFP#2


1. DESCRIPTION OF THE AREA.

The main portion of the land area of this quad contains the city of Tampa.


The terrain both within and outside of the city is quite flat and there is no pronounced drainage other than the Hillsborough River which flows through the heart of the city.

The area of this quad is mostly industrial. There are several large ship yards along the water-front area, as well as railroad yards and shops and a number of other industrial enterprises.

18. A Separate report covering geographic names has been submitted


C. F. Chenworth
Lieut. U.S.C&G Survey

Approved


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

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET NO. T-8382

CONTROL

Sheet T-8382 is made up of previous compilations from project HT-242, except for the area extending from Long. $82^{\circ} 22' 30''$ to Long. $82^{\circ} 23' 10''$, between Latitude $27^{\circ} 54'$ and Latitude $28^{\circ} 00'$ which is a recent compilation. The radial plot covering the new compilation was in good agreement with the detail and control on the previous compilations.

RADIAL PLOT

Discussion of the main radial plot will be included in the descriptive report for sheet T-8383.

DETAILING

This sheet is a celluloid print composed of sections of previous compilations T-5834, T-5835, T-5837 and T-5838 plus a strip of new compilation on the eastern border of the quadrangle. The previous compilations were revised from two red line prints and a black line print which had been corrected by the field party. Recent air photographs were used to supplement the field inspection and to detail the new compilation. The photographs were of good scale and easily interpreted.

A metal mounted red line print was used by the field party to show all contours and elevations. Road and vegetation classification, addition and deletion of all types of planimetric detail, were shown on an unmounted red line print. All roads were classified on the survey sheet as noted by the field party. Buildings were picked on the photographs with the aid of the stereoscope, then transferred to the survey sheet from which a black line print was made for the field inspector, who made all additions and deletions in the field. There were several discrepancies between the unmounted red line print and the black line print concerning the buildings to be added or deleted; however, the black line was used as recommended by the field party, unless the photographs showed that it was definitely in error.

The shipyard, buildings, railroad and street layout and pier in the vicinity of Latitude $27^{\circ} 55'$ to $27^{\circ} 56'$ and Longitude $82^{\circ} 25'$ to Longitude $82^{\circ} 26'$ were pantographed to scale from layout plans furnished this office by McCloskey Construction Co. and Hooker Point Shipyard.

SUPPLEMENTAL DATA

Supplemental data for sheet T-8382 includes: Layout plans of McCloskey Shipyard, descriptions and map of registration, election, and commissioners districts of Hillsborough County, Florida, and a U. S. Engineer Chart showing relative positions and coordinates of the navigation aids in the vicinity of Hillsborough Bay.

LANDMARKS AND AIDS TO NAVIGATION

The landmarks and aids to navigation which appear on this sheet are listed on Form 567, which is a part of this report.

HYDROGRAPHIC CONTROL

The hydrographic control on sheet T-⁸³882 is the same as that which appears on the previous compilations.

LANDING FIELDS AND AERONAUTICAL AIDS

Peter O. Knight, Municipal Airport is the only airport shown on sheet T-8382. Layout plans were pantographed to scale and used to put in the runways and seaplane basins on the previous compilation; however, recent photographs show that the seaplane basin breakwater and one of the runways were incorrectly shown, probably due to changes in the plans before construction. The 1:20,000 photographs were used to make the correction on this print of the previous compilations.

MAPPING OF BOUNDARIES

An overlay for Sheet T-8382 shows the limits of urban areas, Tampa City Limits and precinct limits. The limits of urban areas were established by agreement of Commander Ray L. Schoppe and Lieut. Comdr. K. G. Crosby in accordance with instructions of the U. S. Geological Survey concerning the density of buildings in areas to be designated urban. The political subdivisions shown on the overlay were taken from descriptions and maps obtained from the Hillsborough County Tax Assessor. The Tampa city limits on the overlay are the same as shown on the previous compilations.

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

This office does not have an adequate topographic map with which sheet T-8382 can be compared.

COMPARISON WITH NAUTICAL CHARTS

Sheet T-8382 was compared with U. S. Coast & Geodetic Survey Charts Nos. 587 and 1257. It was found that the

shoreline at Hookers Point has been changed due to construction of the McCloskey shipyard; also a small island is shown southeast of Hookers Point which does not show on the Coast & Geodetic Survey charts.

Respectfully submitted

Frank H. Elrod

Frank H. Elrod
Sr. Photogrammetric Aid

Forwarded by:

Kenneth G. Crosby
Kenneth G. Crosby
Chief of Party

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
**LIST OF PERMANENT (NON-FLOATING)
AIDS TO NAVIGATION**
Sheet No. 2-8362

LANDMARKS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE
~~NOT BE DELETED~~

Tampa, Florida

June 30, 1934

I recommend that the following objects which have (*have not*) been inspected from seaward to determine their value as landmarks, be charted on (~~deleted from~~) the charts indicated.
The positions given have been checked after listing.

Kenneth G. Crosby													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							D. P. METERS
	Hillsboro Cut "C" North Range Rear Lt.	27	55	536	82	26	344	M.A. 1927	Triangulation	1943	X		587 1257	
	Hillsboro Cut "C" North Range Front 22 Lt.	27	54	678	82	26	500	"	"	"	X		"	
	Hillsboro River Cut "D" Range Rear	27	53	1136	82	26	1566	"	"	"	X		"	
	Hillsboro River Cut "D" Range Front 20 Lt.	27	54	374	82	26	452	"	"	"	X		"	
	Hillsboro 18 Lt.	27	53	94	82	26	644	"	"	"	X		"	
	Hillsboro 25 Lt.	27	53	98	82	26	792	"	"	"	X		"	
	Hillsboro 27 Lt.	27	54	194	82	26	606	"	"	"	X		"	
	Hillsboro 29 Lt.	27	54	676	82	26	666	"	"	"	X		"	
				</										

Kenneth G. Crosby

Chief of Party.

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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-8382

No. 1

Remarks

Decisions

1		USGB
2		Railway Guide
3		"
4		Road Maps
5		"
6		"
7		"
8	Pending with USGB	278823-824
9		"
10		"
11		278825
12	Pending with USGB	279823
13		"
14		"
15		279824
16		279823
17		"
18		"
19		"
20		"
21		"
22		279824
23	Pending with USGB	"
24	" " " prepare also Palm River in case it is approved by Board	"
25		"
26		" USGB
27		"

GEOGRAPHIC NAMES

Survey No. T-8382

TAMPA quadrangle

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	
Hillsborough County	✓		✓						1
Atlantic Coast Line R.R.	✓		✓						2
Sesboard Air Line Ry.	✓		✓						3
U.S. Highway No. 541	✓		✓						4
State Hwy No. 156	✓		✓						5
State Highway No. 23	✓		✓						6
U.S. Highway No. 41	✓		✓						7
Hillsborough Bay	✓		✓						8
Archie Creek	✓		✓						9
Ballast Point	✓		✓						10
Interbay Peninsula									11
Palm	✓		✓						12
Uceta	✓		✓						13
Palm River Road	✓		✓						14
Palm River Bridge	✓		✓						15
Causeway Boulevard	✓		✓						16
Broadway	✓		✓						17
Maydell Drive	✓		✓						18
Chelsia Avenue	✓		✓						19
Orient Road	✓		✓						20
Bellows Lake	✓		✓						21
Black Point	✓		✓						22
Delaney Creek	✓		✓						23
Six Mile Creek	✓		✓						24
Gary	✓		✓						25
McKay Bay	✓		✓						26
22nd Street Causeway	✓		✓						27

T-8382

No. 2

Remarks

Decisions

1		279824	USGB
2		"	
3		"	USGB
4		"	"
5		"	
6		"	USGB
7		"	"
8		"	
9		"	
10		"	
11		"	
12		"	
13	Pending with USGB	"	
14		"	
15		"	
16		"	
17		"	
18		"	
19			
20		"	
21		"	
22		"	
23		"	
24			
25			
26			
27			

GEOGRAPHIC NAMES

Survey No. T-8382

2	Name on Survey	On Chart No.	On previous 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.
	<u>Tampa</u>	✓		✓						1
	<u>Ybor City</u>	✓		✓						2
	<u>Ybor Channel</u>	✓		✓						3
	<u>Garrison Channel</u>	✓		✓						4
	<u>Seddon Island</u>	✓		✓						5
	<u>Seddon Channel</u>	✓		✓						6
	<u>Sparkman Channel</u>	✓		✓						
	<u>Hooker Point</u>	✓		✓						8
	<u>Peter O. Knight Municipal Airport</u>	✓		✓						9
	<u>Davis Islands</u>	✓		✓						10
	<u>Marjorie Park Yacht Basin</u>	✓		✓						11
	<u>Palma Ceia Springs</u>	✓		✓						12
	<u>Hillsborough River</u>	✓		✓						13
	<u>MacFarland Park</u>	✓		✓						14
	<u>Plant Field</u>	✓		✓						15
	<u>Oak Park</u>	✓	(residential area)	✓						16
	<u>Columbus Drive</u>	✓		✓						17
	<u>Hillsborough Avenue</u>	✓		✓						18
	Columbus Drive									19
	<u>Bayshore Boulevard</u>	✓		✓						20
	<u>Joseph Robles Park</u>	✓		✓						21
	<u>Ragan Park</u>	✓		✓						22
	<u>Plant Park</u>	✓		✓						23
										24
										25
										26
										27

Names underlined in red approved

by L. Heck on 11/1/44

NB. There are several names above, as well as others not listed, that are found in a name report that is at present in Tampa. These lie in the eastern part of this sheet.

NAUTICAL CHARTS BRANCH

SURVEY NO. 78382

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.

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-8382

TAMPA 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

A horizontal accuracy test was run in this quadrangle and found to be satisfactory. The test is in the Division of Photogrammetry files under Accuracy Tests for Project 290.

A vertical accuracy test was run in this quadrangle and found to be satisfactory. See Item 48 in this Descriptive Report.

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-1411b	1:20,000	1875
T-4202	1:20,000	1926

Comparison with Nautical Charts Nos. 587 & 1114

~~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:~~

T-8382 has been applied to charts 587 and 1114 since review.

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 Oct. 25, 1946 By Robert B. Callien
under direction of D. H. Benson *(per H.M.)*

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

Examined and approved:

K. T. Adams
Chief, ~~Surveys Branch~~
Division of Photogrammetry

~~Chief, Topography Section~~

Robert W. King
Chief, Div. of Charts
Nautical Chart Branch

Raymond E. Gorman
Chief, Div. of Coastal
Surveys