

5835

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey AIR PHOTO

Field No. CS-242-E Office No. T-5835

LOCALITY

State Florida

General locality Florida West Coast-Hillsborough Bay

Locality Interbay Peninsula

194 39

CHIEF OF PARTY

K.G. Crosby

LIBRARY & ARCHIVES

DATE Mar 24-1949

5835

Applied to Chart 587 before review. Oct. 7, 1942 L.A.M.
" " 1257 " " Oct. 10, 1942 L.A.M.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. T-5835

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

SHEET NO. T-5835

~~Ed. Nov. 1929~~

REGISTER NO.

State FloridaGeneral Locality Florida West Coast - Hillsborough County BayLocality Interbay PeninsularScale 1:10,000 Date of ^{photos.}~~survey~~ December 8, 1939~~mission~~ PARTY: Air Photographic Party No. 1Chief of party Lieut. Kenneth G. Crosby,Field Inspected by: Lieut. (j.g.) J. D. Thurmond,~~Surveyed by~~ H. A. Duffy, Photogrammetric Aid. July - Aug 1941Inked by Rudolph Dossett, Photogrammetric Aid.

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated April 3rd, 1940

Remarks: _____

GPO 266853

Complete survey received: 11 April, 1942Reviewed: 18 Dec. 1943Redrafted: Nov. 1944Published: March, 1946Registered: 25 May, 1948

Applied to charts 1257 and 587 prior to review

"

"

" after

"

10 June, 1946

EXPLANATORY SUMMIES

	Name	Date	Hours
Control Surveys	:	:	:
Planetary Surveys	:	:	:
Total			

FIELD DESCRIPTION

Preparation of Photographs	KWS-HAD	Mar., May, July	62
Field Work	HAD	August	22
Inking Notes	HAD	August	4
Coast Pilot Notes	:	:	:
Geographic Name Reports	HAD-GEV	Dec.	13 1/2
Landmarks for Charts	:	:	:
Description Cards	:	:	:
Recovery Notes	HAD	Aug.	39
Total			140 1/2

MAIN RADIAL PLOT

Scale Plot	JED	August	2
Projection on Base Sheet	} Washington Office	:	:
Projection on Survey Sheet		:	:
Control Plotted	RD	October	4
Control Checked	WHS	October	4
Control Trans. to Base Sheet	WHS	October	1 1/4
Transfer Checked	RD WHS	October	1 1/2
Control picked on Photographs	JED	August	10
Control checked on Photographs	MMS	September	4
Hydro. & Topo. Stations Picked	JED MMS	Aug. & Sept.	13
Radial Points picked	WHS JEH	September	10
Adjacent Centers Picked	MMS	July	14
Templates	JEH	October	20
Radial Plot	x	October	9
Radial Points transferred	JAG RD	October	3
Transfer checked	WHS RD	October	2
H & T Stations scaled & checked	RD JEH	December	8 1/2
Additional Radial Points	:	:	:
Total			106

DETAILING

Rough Draft	RD	November	193 1/2
Smooth Draft	:	:	:
Total			193 1/2

COMPILATION

Name Overlay	RD	December	3
Descriptive Report	RD	December	5
Field Review	KGC JHSB	Feb. & Mar.	51
Total			59

Total time spent on Sheet..... 499 hours.

x - Several of Office personnel

PHOTOGRAPHS

Number	Date	Time	Stage of Tide
4106	12/8/39	12:49	1:0
4107	"	12:50	1.0
4097	"	12:34	1.0
4098	"	12:40	1.0
4099	"	12:41	1.0

Tide from predicted tables for: Tampa Bay (St. Petersburg)

Camera: U. S. Coast and Geodetic Survey Nine-Lens (focal length $8\frac{1}{2}$ inches)
Negatives on file at the Washington Office.

SCALE

Mean scale of Photographs.....1:10,000 \div 1.0002
Scale of Survey Sheet.....1:10,000

STATISTICS

Area (land)..... 11.6 Square statute miles
Shoreline (more than 200 m. from opposite shore).... 11.4 Statute miles
Shoreline (creeks)..... 1.7 Statute miles
Roads, streets, trails, and railroads..... 172.6 Statute miles

REFERENCE STATION

Station: Tampa, Ballast Point Park.

Latitude: $27^{\circ} 53' 21.876(673.4m)$

Datum: Silver Water Tank, 1934

Longitude: $82^{\circ} 28' 52.648(1440.0m)$

N.A. DATUM 1927

ADJUSTED

FLORIDA STATE COORDINATES

WEST ZONE

X: 374, 111.95 FT. ✓

Y: 1,292, 770.16 FT. ✓

LEGEND USED FOR FIELD INSPECTION AND DRAFTING
PROJECT 242 - 1941

TREES

P1 - Pine
Cy - Cypress
Palo - Palmetto
Palm - Palm
D T - Deciduous trees (broad leaf)
Cit - Citrus (orchard)
Mix - Pine, cypress & Dec. trees
(Density)
Sc. - Scattered
t.w. - Thinly wooded
h.w. - Heavily wooded
Scr. - Scrub trees; brush

VEGETATION

C - Cultivation
Gr. - Grass
T Gr - Tall Tropical Grass
M - Marsh (dashed line on
inshore limits)
M W - Marsh grass in water (dashed blue
line on offshore limits)
Sw - Swamp
Ng - Mangrove
Hdg - Hedge

STREAMS

Ca - Canal (width)
Cr - Creek
D - Ditch (width)
I S - Intermittent Stream
FDU - Probable drainage unsurveyed
Brg - bridge or symbol
Cv - Culvert
Lev - Levee

F.G.S. - Florida Geodetic Survey
U.S.E. - U. S. Engineers
USBS - U. S. Biological Survey

ROADS & RAILROADS

Rd 1 - 1st class road (paved)
Rd 2 - 2nd class road
Tr - Trail
R R - Rail Road
O P - Overpass (state the kind)
U P - Underpass (state the kind)
X - Abandoned trail, road, etc.
RR ab - R.R. abandoned (grade only)

PONDS

P - Pond
Cy P - Cypress Pond
I P - Intermittent Pond

SHORE LINE

H.W.L. - Mean high water line (solid
red line - fast land)
L.W.L. - low water line (dashed red line)
L.L. - Light line (solid blue line for
mean high water line on marsh)
Dr - Dock
Pr - Pier
Se W - Seawall
Bkhd - Bulkhead
Conc - Concrete
Wo - Wooden
Jet - Jetty
Dol - Dolphin
Pile - Pile (give type)
S - Sand
Mud - Mud
Rk - Rock or rocky
Sty - Stony
W - Water
Blf - Bluff (height)

BUILDINGS

H - House, barn or building
Sch - School (give name)
Ch - Church (give name)
Ct H - Court House (give name)
Bo H - Boat House
P.O. - Post Office (give name)
R.R. Sta - Railroad Station (give name)
Hos - Hospital (give name)

MISCELLANEOUS

F - fence
FB - Fire Break (maintained)
FRX - Fire Break (abandoned)
Cem - Cemetery
Park - Park (give name)
F.T. - Fire Tower
T.T. - Transmission Tower (tall steel)
P.L. - Power line
Shoal - Approx. limits by long dashed
line for use by hydrographer.

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET NO. T---5835

GENERAL

This sheet was compiled in accordance with "Instructions for Drafting Air Photographic Surveys, Project H. T. 242", dated April 3, 1940.

The general locality of the area covered by this sheet is Florida West Coast, in the vicinity of Hillsborough Bay. It includes that part of the Interbay Peninsular lying between Platt Street, in Tampa and Ballast Point on the East and Beach Park and Gandy Bridge on the West.

On the West the shoreline is generally flat ground, the vegetation consisting of scattered pine and palm, with a general growth of mangrove along the shoreline. Except for several dredged channels for small boats, the bay just off shore is shoal and awash at mean low water.

The shoreline on the East is regular and protected by a concrete seawall extending southward from Hillsborough River in Tampa to Ballast Point. The vegetation is much the same as the West coast and the immediate area back from the shore is a well developed residential section. Except for a small area in the extreme northeast corner, this sheet lies outside the city limits of Tampa. The area outside the city limits, except for the area in the southwest corner, North and South of Gandy Bridge, is subdivided and a planimetric system of street layouts exists.

Considerable drainage has been instituted in the southernmost areas of this sheet and areas that were formerly marshy and intermittent ponds are now firm and grassy. Examination of the photographs, under the stereoscope reveal a distinct berm and a definity depression, but a recheck of the inspection in the field show them to be firm grassy areas.

A new 28 foot highway from Tampa to the U. S. Army Air Corps reservation at Mac Dill Field, is nearing completion and this has been shown on the drawing.

On the West coast, South of the East end of Gandy bridge, there has been shown a new fill and a recently dredged area with a newly constructed bulkhead and boat house. This construction does not appear on the photographs, since it has been done subsequent to the date of the photographs, but it has been done according to notes and dimensions gathered by the field inspector. An insert on field print No. 4105, shows these dimensions and positions.

Approximate mean low water is shown by dotted lines and approximate shoal areas by dashed lines.

T-5835
RECOVERABLE H & T STATIONS (form 524 submitted)

BM G-1, 1923	1941
G-3 "	"
G-4 "	"
J-40 1933	"
K-40 "	"
ARM	"
BUT	"
COL	"
CAW	"
ERA	"
INK	"
KAY	"
SON	"
Tampa, CAA radio rg., cent tower	"
U.S.Army radio rg., cent pole	"
U.S.Army transmitter " "	"
The Gables Cupola, Richard's Ho.	"
E. Gable, Spanish Sanitarium	"

BM G-5 falls on the southwestern corner of the map, but No form 524 was submitted for it, for this map, but one was submitted under T-5828.

For a general report on the field inspection of this area, see the special report submitted by Lieut. (j.g.) J. D. Thurmond, entitled "Field Inspection, Anclote Keys to Tampa Bay." *Filed in the Division of Photogrammetry*
CONTROL

The control within the tracing limits on this map consists of the following triangulation and traverse stations:

NAME OF STATION	YEAR	ESTABLISHED BY
• EAST TOLL HOUSE (S.GABLE)	1926	R. L. Schoppe
• GANDY (Cupola draw bridge)	1926	R. L. Schoppe
• TAMPA, BALLAST PT. PARK, Silver water twr.	1934	G. L. Anderson
• OFF	1926	R. L. Schoppe
• ON	1926	R. L. Schoppe
• D-8	1934	Fla. Mapping Proj.
• D-9	1934	Fla. Mapping Proj.
• D-10	1934	Fla. Mapping Proj.

Triangulation stations, CYPRESS, 1934; ANNEDELL WELL W.T., 1934; 116th Field Artillery, Roof, 1926; DCC, 1926 and traverse station D-7, fall on the sheet, but outside the tracing limits.

MAIN RADIAL PLOT

A continuous radial plot was run on October 30 and 31, 1941, for the purpose of locating all photograph centers, hydrographic stations, topographic station, bench marks, azimuth marks and radial points. The plot extended over the entire area covered by sheets No. T-5834 to T-5838 and T-5882.

The plot, comprised of 54 templates, consisted of 38 templates of the 9 lens photographs and 16 templates of the single lens photographs furnished by the U. S. Department of Agriculture. The latter were used to supplement the photographic coverage of the area in the vicinity of the Alafia River (T-5838).

All of the photographs in the area covered by this plot were not used since the area was satisfactorily covered by other photographs. This particular condition existed in the general vicinity of the city of Tampa. The following photographs were not used: 4071, 4079, to 4084, 4087 and 4091.

Due to the existence of extensive control in this area all 9 lens templates were controlled by triangulation and second order traverse. The single lens templates were controlled for the most part by strongly determined positions of radial points previously established by means of the 9 lens templates. In some few instances the single lens templates had sufficient control to rigidly fix their positions and when such was the case there was good agreement with the templates fixed wholly by radial intersections.

The agreement along the flight line and the intersection of radial lines to adjacent photograph centers was excellent. Practically all points established by the plot resulted from the intersection at a common point of four to eight radial lines. In some instances it was possible to obtain but two "cuts". This condition existed along the northern limits of T-5834, the extreme northwest portion of T-5882 and the extreme northeast and southeast portion of T-5838. In instances where the radial lines did not form a common intersection the point selected was at the center of gravity of the triangle of error. This condition was practically negligible and in no case were the sides of the triangle of error greater than 0.5 m.m. away from the point selected. Throughout the plot there were a few isolated cases (9) where there was poor agreement in the radial location of a point picked on the photographs. Five of these points occurred in the extreme northeast portion of T-5882. In this case the "cuts" were transferred directly to the survey sheet for further investigation by the draftsman. It is believed this resulted from improper identification of the point in question on the various photographs.

The usual practice of laying a plot was followed. This consisted of plotting the control on the survey sheets and then transferring it to the base grids by matching individual grid lines. The adjustment between the grid lines on the survey sheets and those on the base grid sheets was practically negligible, the largest discrepancy amounting to about 0.3 m.m. for the longest dimension of the survey sheet. The base grids were taped to the plotting table and allowed to remain 24 hours before laying the plot. Prior to laying the first template all matched grid lines along the junction of the base grid sheets were checked and readjusted if found necessary.

Due to the extensive amount of control and the excellent agreement throughout the plot it was unnecessary to relay any part of it. After completion of the plot all points were transferred to the survey sheet by matching the grid lines on the survey sheet to those of the base grids. All transferred points were checked for position prior to being inked on the survey sheet.

No large or unusual adjustments were necessary in any part of the plot and it is believed that all points located by the radial line method are within 0.25 m.m. of their true location.

Various colored inks were used on the photographs and survey sheets to designate control, topographic stations and radial points. The following key is furnished for reference:

Photographs

Triangulation and traverse stations.....2.5 mm blue circle
Hydrographic and topographic stations.....2.5 mm green circle
Radial Points in main plot.....2.5 mm red circle

Radial Points (Additional).....3.5 mm red circle
Photograph Centers.....Double white circle

Survey Sheet

Triangulation and Traverse Stations.....3.5 mm high black triangle
Hydrographic and topographic stations.....2.5 mm black circle
Radial points on main plot.....2.5 mm blue circle on back
Radial points (additional).....3.5 mm blue circle on back
Photograph Centers.....Double blue circle on back

INTERPRETATION OF PHOTOGRAPHS

The photographs were clear and no difficulty was experienced in their interpretation.

FIELD INSPECTION

The field inspection was made by H. A. Duffy, Senior Photogrammetric Aid, under the supervision of Lieut. (j.g.) J. D. Thurmond, during the months of July and August, 1941.

DETAILING

The detailing of this sheet has been done in accordance with the current instructions for this project. Before detailing the sheet was rubbed with magnesium carbonate and washed off. No additional reinking was necessary.

The scale of all photographs was good except photograph 4105, ^{was} which/required for only a small amount of detailing in the extreme southwest corner.

Symbols were used whenever the vegetation was not of consistent density, in order that a truer interpretation could be obtained, than could otherwise be shown by legend.

All public buildings, such as churches and schools, and buildings along the shoreline have been shown in the congested areas. There are only a few buildings in the open areas and these have also been shown.

JUNCTIONS

This sheet forms a junction on the North with sheet No. T-5834; in the extreme northeast with T-5837; on the south with T-5836 and Gandy bridge with T-5828. All junctions are in agreement.

COMPARISON WITH OTHER SURVEYS

Reference is made to the Director's letter dated May 10, 1941 (28-PFA, 1990) advising that this paragraph may be dispensed with

for this area

The description for B.M. G-5 - 1923, located on the West end of Gandy Bridge near the junction of T-5828 has been submitted with that sheet.


LANDMARKS

It is recommended that a large water tank, located at Ballast Point near the pier, be charted as a landmark. *fm. 567 attached hereto.*
CHI. Lat. No. 756

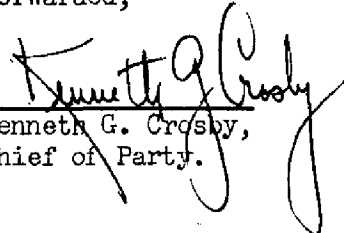
GEOGRAPHIC NAMES

The geographic names for this area are the subject of a special report entitled "Investigation of Geographic Names, Anclote Keys to Tampa Bay", submitted to the Washington Office, by Lieut. (j.g.) J. D. Thurmond.

Respectfully submitted,


Rudolph Dossett
Sr. Photogrammetric Aid.

Forwarded,


Kenneth G. Crosby,
Chief of Party.

GEOGRAPHIC NAMES

Survey No. T-5835

Name on Survey	<div>On Chart No.</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>
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Remarks.

Decisions

1		279825
2		"
3	Use this form pending decision USGB, to which name has been referred: charted as Cutberth	"
4		"
5		"
6		"
7		"
8		"
9		"
10		278825
11		"
12		278824
13	Apply Hillsboro pending further reference to US GB, allowing space for additional 3 letters if longer name approved. Hillsboro Bay on charts, on basis of earlier USGB decisions.	"
14		279824
15	Used in title, descriptive report.	278824
16	USGB decision in 6th Report, altho shorter form approved for other features of same name.	
17		USG-B.
18		278824
19		
20		
21		
22		
23		
24		
25		
26		
27		

Division of Charts
Surveys Section
Review of Air Photographic Survey T-5835

Radial Plot:

The radial plot could not be ~~accurately~~ checked during review because the mounted office photographs had been destroyed.

Detailing:

Corrections and additions to the map manuscript are shown in red ink.

Comparison with Previous Surveys

T-4185	1/20000	1926	T-4202	1/20000	1926
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T-5835 supersedes these surveys for common detail in common area.

Comparison with Existing Quadrangles:

USE	Ganby Bridge	1/31680	War Mapping (T-8381)
USE	Tampa	1/31680	" " (T-8382)

T-5835 was compiled from 1939 photographs and the quadrangles were compiled from 1941 photographs. The Shoreline south of Ganby Bridge has a prominent man-made extension on T-8381.

Comparison with Nautical Charts:

587	1/40000	1943
1257	1/80000	1943

T-5835 was applied to charts 587 and 1257 prior to review.

Fully applied to chart 587 on 6/10/46.

Reviewed by:

Under the direction of
D. H. Benson ✓

W. W. St. John
Willis W. St. John 18 Dec. 1943

Examined and approved by:

B. J. Jones 3/49

Chief, Surveys Section

H. C. Munster
Chief, Section of Topography

Nautical Chart Branch

K. T. Adams
Chief, ~~Division of Charts~~
Division of Photogrammetry

C. K. Green
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-5835

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.