

5870

Diag'd. on diag. ch. No. 1255

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey ¹ Air Photo Compilation

Field No. _____ Office No. T-5870

LOCALITY

State Florida

General locality Lee County

Locality Caloosahatchee River

Page Field and vicinity

*Nine lens photos: 12/12/38; 1/12/42 supplemented
by Ground Surveys 1944
to March 1943*

CHIEF OF PARTY

Lieut. Comdr. Kenneth G. Crosby

LIBRARY & ARCHIVES

DATE Aug 7-1947

B-1870-1 (1)++

5870

7 Oct. 47

473

Nichols.

Examined after V. & Rev.
No changes made.

DATA RECORD

T-5870

Quadrangle (II):

Project No. (II): H.T.242 G.

Field Office: Tampa, Fla.

Chief of Party: K. G. Crosby

Compilation Office:

Chief of Party: K. G. Crosby

Tampa, Fla.

Instructions dated (II III):

Copy filed in Descriptive
Report No. T- (VI)

4/3/40

Completed survey received in office:

1/11/44

Reported to Nautical Chart Section: 1/26/45
Form 5-67 is filled under which
letter: 398 - 1942

Reviewed: 11/30/45 Applied to chart No. Date:

Redrafting Completed: 3/3/47

Registered: 7/47 Published: 5/19/47

Compilation Scale: 1:10,000 Published Scale: 1:10,000

Scale Factor (III): 1.00

Geographic Datum (III): N.A.1927 Datum Plane (III): .88 feet below
sea level (Okeechobee Datum)

Reference Station (III): NIGGER, 1926, 1928, 34

Lat.: Long.: Adjusted
26° 33' 53.525" (1647.3m) 81° 54' 45.782" (1267.1m) Unadjusted

State Plane Coordinates (VI):

X = 528,530.09

Y = 810,977.65

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
4251	12/13/39	11:08	1:10,000	-0.3
4252	"	11:09	"	-0.3
4253	"	11:10	"	-0.3
11570	11/12/42	11:02	"	+0.2
11571	"	11:03	"	+0.2
11572	"	11:04	"	+0.2
11573	"	11:04	"	+0.2

Tide from (III): Ft. Myers, Caloosahatchee River, Ref: Tampa Bay

Mean Range: 0.7

Spring Range: 0.9

Camera: (Kind or source) U.S.C. & G.S. 9 lens (8 $\frac{1}{2}$ " focal length)

Field Inspection by: H. A. Duffy, Prin. Photo Aid date: Feb-Mch. 1943
L.C. Bonham, Jr. Photo. Engr.

Field Edit by:

date:

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

Projection and Grids ruled by (III) J.O.N. Wash. off date: 5/21/43

" " " checked by: " date: "

Control plotted by: R. Dossett, Prin Photo Aid date: 7/13/43

Control checked by: O. M. Rivera, Sr. Photo Aid date: "

Radial Plot by: Tampa Office Personnel date: July 1943

Detailed by: R. Dossett, Prin. Photo Aid date: Nov. Dec. 1943

Reviewed in compilation office by: F. H. Elrod, date: Dec. 1943
Prin. Photo Aid Jan. 1944

Elevations on Field Edit Sheet
checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 20

Shoreline (More than 200 meters to opposite shore): 12

Shoreline (Less than 200 meters to opposite shore): 6

Number of Recoverable Topographic Stations established: 21

Number of Temporary Hydrographic Stations located by radial
plot: 35

Leveling (to control contours) - 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:

DESCRIPTIVE REPORT

To Accompany

SHEET T - 5870

CONTROL

Five triangulation stations appear within the tracing limits of this sheet. All were held by the draftsmen to establish additional radial points.

These stations were evenly distributed through the center of the sheet and except for the Eastern edge of the tracing limits, where the photographic coverage was limited, they were adequate for control.

Along the Eastern tracing limits it was necessary to use a few "two point" radial intersections in order to bring Page Field, the U. S. Army Air Base, under control. These points were checked against the X & Y G-P's furnished later by the U. S. Corps of Engineers for Page Field, and found to be in excellent agreement.

Page Field was transferred to this map drawing from the plans furnished by the U. S. Corps of Engineers, as it did not appear on the photographs. It was well controlled by the Geographic Positions for the runways and property boundaries that accompanied the plans, and these positions have been plotted on the sheet.

MAIN RADIAL PLOT

Discussion of the Main Radial Plot which includes this sheet has been made a part of the descriptive report for sheet T-5872

DETAILING

The detailing of this sheet has been done according to the current instructions for this project.

Field inspection notes were plentiful.

All photographs were generally clear and of reasonably good scale.

Some difficulty was experienced in detailing due to the changes in the character of the detail from 1939 to 1942; the photographs 4251, 4252, 4253, having been made in 1939 while 11570, 11571, 11572 and 11573 were made in 1942. By a careful observance of field notes, however, it is believed that the truest interpretation has been obtained.

* 2 layout plans, 4 vertical photos,
and 8 oblique photos forwarded to
this office under transmitting letter
dated Jan 17, 44. reviewed and
put in airport unit files. Consult
these when reviewing what Prof

1/18/44
1/29/44
1/29/44

SUPPLEMENTAL DATA

Plans for the Ft. Myers Army Air Field (Page Field) were obtained from the U. S. Corps of Engineers. These plans were used for the drafting of Page Field independently of the photographs.

Also the Corps of Engineers furnished a single lens photograph from which taxiways between runways were taken as they did not appear on the advance plans used in detailing Page Field. Since the detailing was completed the Engineers furnished a complete layout plan which has been forwarded to the Washington office. *

LANDMARKS AND AIDS TO NAVIGATION

The non floating aids appearing on this sheet have been listed on form 567 and made a part of this report.

No uncharted landmarks worthy of charting appear in the area. *Refer to reviewer's report for new Landmarks "Airway B'n., 1945".*

HYDROGRAPHIC CONTROL

Thirty five unmarked hydrographic stations bearing a short description appear within the tracing limits of this sheet.

The following marked hydrographic stations also appear:

<u>Station</u>	<u>Date</u>	<u>Established by</u>
Gin	1943	K. G. Crosby
Pow	"	"
Key	"	"
Syn.	"	"
Man.	"	"
Ill.	"	"
Fin	"	"
Lot.	1928	"
Beg.	1943	"

GEOGRAPHIC NAMES

A report on Geographic Names covering the area, Caloosahatchee River, San Carlos Bay, Pine Island and Matlacha Pass, was submitted to the Washington office by Harold A. Duffy, Prin. Photogrammetric Aid, May 31, 1943. 84✓

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There was no topographic sheet available for a comparison of this area.

COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U. S. Coast and Geodetic Survey, Estero Bay to Lemon Bay Chart No. 1255. The scale difference was too great for a thorough comparison, but no large disagreements were noted in the detail.

Respectfully submitted,

Rudolph Dossett
Rudolph Dossett,
Prin. Photo. Aid.

Forwarded by:

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

GEOGRAPHIC NAMES

Survey No.

T-5870

Name on Survey

	A	B	C	D	E	F	G	H	K	
✓ <u>Florida</u>									USGB	1
✓ <u>Caloosahatchee River</u>									"	2
<u>Lee County</u>										3
✓ <u>U.S. 41/ State 27</u>										4
✓ <u>State 25</u>										5
✓ <u>Seaboard Air Line</u>										6
✓ <u>Atlantic Coast Line</u>										7
										8
✓ <u>Big Slough</u>										9
✓ <u>Redfish Cove</u>										10
✓ <u>Harney Point</u>										11
✓ <u>Nigger Head</u>										12
✓ <u>Wyomi Creek</u>										13
✓ <u>Petterson Mound</u>										14
✓ <u>Page Field</u>										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Added name listed in 1947
 H. Heck 08/19/47

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Tampa Photogrammetric Office
Tampa, Florida Jan. 10, 1944

I recommend that the following objects which have ~~been~~ 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.

COPY filled in Nautical Charts
under Chart Letter 398 - 1942 Section

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									
		O	I	D. M. METERS	O	I	D. P. METERS						
Caloosahatchee River	Caloosahatchee Riv. Bn. 30	26	36	129	81	54	53	N.A. Sextant 1927	1943			1255 473	
"	" " 29	26	35	1052	81	54	358	"	"			"	
	Light 28, Range Rear, Cut P	26	35	955	81	53	1639	"	"			"	
	Caloosahatchee R. Bn. 27-A	26	34	1688	81	54	1065	"	"			"	
	" " 27	26	34	1112	81	54	1606	"	"			"	
	" " 26	26	34	82	81	55	664	"	"			"	
	" Light 25	26	33	1281	81	55	1254	"	"			"	
	" Bn 23	26	33	902	81	55	1522	"	"			"	
	" Light 21	26	32	1339	81	56	451	"	"			"	
	Light 28, Range front, Cut P	26	35	542.6	81	54	368.5	" Trilling.	1928			"	
	Airway B'n 1945 (see reviewers report)												

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.

Division of Photogrammetry

Review of Planimetric Map T-5870

Radial Plot. (See Descriptive Report T-5872)

Orientation of the photographs under the acetate indicates good radial intersections.

Field Inspection and Detailing.

These were generally adequate. Few changes in the manuscript were necessary during the review with the exception of Page Field. This airfield was revised during the review in accordance with the latest plans and photographs furnished by the Tampa Photogrammetric Office and as listed on page 2 of the descriptive report.

Comparison with Previous Topographic Surveys.

T-5870 has been compared with and supersedes previous survey T-4281, 1:10,000, 1927, over the common area. There have been many changes in shoreline and along shore features since the previous survey.

Comparison with Nautical Charts.

Absence of a record in the descriptive report indicates that this manuscript has not been applied to the chart as of the date of this review. The manuscript shows many details for addition to the chart.

The airway beacon at Page Field was not reported, as a landmark for charts, but is recommended by the reviewer, since it is approximately 75 feet high, for inclusion on the chart.

The elevation of the beacon is 76 feet (approx.) above Okeechobee Datum (.88' below Mean Sea Level) and is believed to be easily visible from seaward.

Reviewed by:

Reviewed under direction of:

Lena T. Stevens
Lena T. Stevens
Photogrammetrist
Nov. 26, 1945

S. V. Griffith 7/17/47
S. V. Griffith
Chief, Review Section

APPROVED BY:

<u>B. G. Jones 7/47</u>	<u>H. B. Bittling</u>
Technical Assistant to the	Chief, Nautical Chart Br.
Chief, Div. of Photogrammetry	Division of Charts

<u>K. T. Adams</u>	<u>C. K. Green</u>
Chief, Div. of Photogrammetry	Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T5870

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.