

5887

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Form 504 U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE DESCRIPTIVE REPORT	
Type of Survey	Topographic
Field No.	Office No. T-5887
LOCALITY State Florida General locality Hendry County Locality La Belle Date of Photos 12-21-39 <u>1943</u> CHIEF OF PARTY Lieut. Comdr. Kenneth G. Crosby	
LIBRARY & ARCHIVES DATE Nov 9-1946	

applied to chart 1289

Aug. 21, 1943

GHE
before
review.

DATA RECORD

T-5887

•Quadrangle (II):

Project No. (II): H.T. 242-D

Field Office: Tampa, Florida

Chief of Party: K.G. Crosby

Compilation Office: Tampa, Fla.

Chief of Party: K.G. Crosby

Instructions dated (II III): 4/3/40

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

Completed survey received in office: 7-19-43

Reported to Nautical Chart Section:

1/26/45

Reviewed: 25 April 1946

Applied to chart No.

Date:

Redrafting Completed:

6/28/46

Registered: 12/46

Published: *not to be published*

Compilation Scale: 1:10,000

Published Scale:

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

Datum Plane (III): 0.88 Ft.
below M.S.L.

Reference Station (III): LABELLE, 1937

Lat.: 26°45'40"292

(1240.0 m.)

Long.: 81°26'18"440

*(509.5 m.)*Adjusted
~~Unadjusted~~

State Plane Coordinates (VI): East Zone

X = 356,926.45 FT.

Y = 882,573.18 FT.

West Zone

X = 683,239.68 FT.
Military Grid Zone (VI)

Y = 882,731.02 FT.

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
4414	12/21/39	10:56 A.M	1:10,000	No Tide
4415	"	10:57 "	"	"
4416	"	10:57 "	"	"
4417	"	10:58 "	"	"
4418	"	10:58 "	"	"

Tide from (III): No Tide

Mean Range:

Spring Range:

Camera: (Kind or source) U.S.C. & G.S. 9 lens (8 1/4" focal length)

Field Inspection by: H.A.Duffy, Prin.Photo.Aid date: Jan.Feb. 1943

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.Office date: 2/6/43

" " " checked by: " " date: "

Control plotted by: K.G.Crosby, Chief of Party date: 2/16/43

Control checked by: E.M.Bower, Photo. Aid date: "

Radial Plot by: Tampa Office Personnel date: 2/24/43

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

Reviewed in compilation office by: J.A.Giles, Asst. Photo.Engr. date: June 1943

Elevations on Field Edit Sheet checked by: _____ date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 24.3

Shoreline (More than 200 meters to opposite shore): 0

Shoreline (Less than 200 meters to opposite shore): 14.4

Number of Recoverable Topographic Stations established: 4/10

Number of Temporary Hydrographic Stations located by radial plot: 0

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:

COMPILATION REPORT
TO ACCOMPANY
SHEET NO. T-5887
PROJECT 242-D

CONTROL

Two triangulation stations used for control fall within the limits of this sheet. They are as follows:

U.S.E. Triangulation Station OPAL, 1937
U.S.E. Triangulation Station LA BELLE, 1937

Triangulation Station HAG, U.S.E., 1937, falling within the tracing limits of sheet T-5888 was also used by the draftsman in establishing additional radial points.

In the discussion of the main radial plot, incorporated in the descriptive report of sheet T-5888, mention is made of inability to hold triangulation station "OPAL, U.S.E., 1937". A thorough investigation of this station, both for plotted geographic position and picking on photographs, was made. These appeared to be in good order. Investigation of other fields for possible error was then made and after careful study an error in the flight line azimuth was noted; also a distortion in the center chamber of Photograph 4416. After making correction for the error in azimuth and allowing for the chamber distortion, triangulation station "OPAL U.S.E. 1937" was held. All points not in agreement were then reestablished.

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-5888.

DETAILING

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

Field inspection notes were plentiful throughout the sheet.

All photographs were generally clear. Photograph 4418 has considerable tilt. Photograph 4415 was of exceptionally good scale. All other photographs were of reasonably good scale and some detail was taken from each one.

Attention is called to the vertical clearance of the LaBelle Swing bridge. The Corps of Engineers, U. S. A. list in their "List of Bridges Over the Navigable Waters of the U.S.", revised to January 1, 1935, a vertical clearance of 11 feet at M.L.W. and 4.5' at M.H.W. Latest

data, received from U.S.E.D., Jacksonville, Florida, gives this clearance as 12.5' M.W.E.

SUPPLEMENTAL DATA

No supplemental data was available.

LANDMARKS & AIDS TO NAVIGATION

No outstanding landmarks or non-floating aids appear on this sheet.

HYDROGRAPHIC CONTROL

There are no unmarked hydrographic stations within the limits of this sheet.

The following U.S.E. Traverse Stations, to be used for hydrographic control, appear along the Caloosahatchee Canal:

<u>STATION</u>	<u>DATE</u>	<u>ESTABLISHED BY</u>
260 + 83.86	1935	U.S.E., Div. 8
236 + 38.40	"	" "
180 + 00	"	" "
140 + 00	"	" "
80 + 00	"	" "
40 + 00	"	" "
RW - 59	1932	" "
999 + 10.0	1935	" "
978 + 60.26	"	" "
940 + 00	"	" "

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

No topographic Quadrangle was available for a comparison.

COMPARISON WITH NAUTICAL CHARTS

No nautical chart of the area was available for comparison. Chart 1289 scale 1:80,000 available during review. April, 1946
Published Mar. 1944 Respectfully submitted,

Rudolph Dosssett
Rudolph Dosssett,
Prin. Photogrammetric Aid

Forwarded by:

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

SYMBOLS

- P - Pine
- Cy - Cypress
- Pal - Palmetto
- Pal - Palm
- D.C. - Deciduous trees (broad leaf)
- Cit - Citrus (orange)
- Mix - Pine, cypress & Dec. trees (quantity)
- Bot. - Botanical
- W. - Widely spaced
- Heav. - Heavily spaced
- Scr. - Scrub trees

VEGETATION

- C - Cultivation
- Gr - Grass
- T. Gr. - Tall tropical grass
- M. - Marsh (dashed blue line on anchors limits)
- W. - Water grass in water (dashed blue line on offshore limits)
- Sw - Swamp
- LG - Longgrass
- HDG - Hedge

WATER

- Ca - Canal (width)
- Cr - Creek
- D - Ditch (width)
- I.C. - Intermittent stream
- U.S. - Unusable drainage unsurveyed
- Br - Bridge or symbol
- Cy - Culvert
- Lay - Lagoon
- Fl. - Florida Pacific Survey
- U.S. - U.S. Engineers
- U.S.S. - U.S. Geological Survey

ROADS & PATHWAYS

- RA 1 - 1st class road (paved)
- RA 2 - 2nd class road
- Tr - Trail
- RR - Railroad
- U.P. - Overpass (above the kind)
- U.S. - Underpass (below the kind)
- M. - Unimproved trail, road, etc.
- RA 3 - 3rd class road (grade only)

SYMBOLS

- P - Pond
- Cy P - Cypress pond
- I.P. - Intermittent pond

LINE

- H.W.L. - Mean high waterline (solid red line + 100' limit)
- L.W.L. - Low waterline (dashed red line)
- LSL - Light line (solid blue line for mean high water line or mean)
- Dr. - Dock
- Gr - Pier
- Le W - Levee
- Whd - Wharf
- Conc - Concrete
- Co - Cobble
- Jet - Jetty
- Pal - Palmetto
- Pile - Pile (give type)
- Gr. - Gravel
- Mad - Mad
- Mk - Mark or heavy
- Sty - Stuy
- W - Water
- HT - Height

BUILDINGS

- H - House, barn or building
- Ch - Church (give name)
- Ct H - Court house (give name)
- Lo H - Lost house
- P.O. - Post office (give name)
- R. Sta - Railroad station (give name)
- Hos - Hospital (give name)
- Sch - School (give name)

UTILITIES

- F - Fence
- W - Wire fence (maintained)
- U.W. - Wire fence (unmaintained)
- Gr - Cemetery
- Park - Park (give name)
- Canal - Approx. limits by long dashed line for use by hydrographer
- H.T. - High tower
- T.T. - Transmission tower (tall steel)
- P.L. - Power line

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW, EDITING, AND DRAFTING OF T- 5887

This Form shall be attached at the back of each Descriptive Report for Planimetric Maps, and Topographic Quadrangles and shall be completed as the office work progresses. When it is necessary to add statements about details of the Review or Edit show consecutive reference numbers by the items concerned and add the necessary paragraphs on the opposite page or at the back of this form.

I

DATA ACCOMPANYING THIS MAP

(Note: To be filled in by clerk when received from field. Additional listing of special reports to be made during Review and Edit).

*Celluloid Manuscript
Descriptive report
20 H+T cards
picking & recovery cards*

II

PRELIMINARY EDIT

1. Metal mounted blue lines required as follows;

Black

Dark Blue

Light Blue

Green

Brown

2. Any additional prints required:

3. Blue lines to be corrected from Field Edit Sheet.

4. Manuscript to be corrected and new negative and blue lines ordered after review.

5. Blue lines ordered:

6. Junctions - Compare junctions for position and classification of details. Layout Control Overlay and note thereon any junction discrepancies to be rectified during the review.

7. Name Overlay - Layout the name overlay and note thereon all marginal notes except those relating to control, projections, grids, and declinations.

Completed by:

Approved by:

III

HORIZONTAL CONTROL

1. Verify control as follows: -

All existing control of 3rd order or better is shown by

All horizontal control of less than 3rd order accuracy is shown by O and Form 524 descriptions are filed.

Datum adjustments were correctly made.

Adjustments of local control nets were correctly made.

Data record regarding control and projections is complete.

2. Note on Control Overlay -

Horizontal Control Stations to be shown on map.

Special Legend for O stations.

Nautical and Aeronautical aid to be shown

All station names and dates

Descriptive names for prominent objects.

Projection ticks and numbers.

State grid ticks and numbers.

Military grid numbers.

Marginal notes for horizontal control and datum.

Marginal notes for projection and grids.

Magnetic Declination.

Grid Declination.

Prepared by:

Checked by:

IV

REVIEW

1. Examine for Compliance with Instructions as regards Completeness and Accuracy of Details.

Main Radial Plot.

Mean High Water Line.

Low Water Line

Rocks Awash and other Off Shore Details.

Landmarks and Aids.

Hydrographic Control.

Landing Fields and Aeronautical Aids.

Buildings and structures.

Layout of urban areas.

2. Compare with other Surveys and Maps.

Previous topographic surveys of this Bureau.

Contemporary topographic surveys of this Bureau.

Contemporary hydrographic surveys of this Bureau.

Nautical Charts

Published Quadrangles

(Note: Where a contemporary planimetric map has been reviewed but not published correct as necessary. Where such a map has not been reviewed add copy of this form to the Descriptive Report calling for comparison and correction from the field edit when the review is made.)

3. Report to Nautical and Aeronautical Charts; -

Landing Fields

Immediate corrections.

Changes made subsequent to application of the map to Nautical Charts.

4. Correct manuscript or drawings from field edit sheet as noted in section II.

Accomplished by:

Checked by:

Reviewed by:

Approved by:

V

WOODLAND

1. Examine field classification.
2. Delineate the limits to be printed in green on

Field Edit Sheet.

Special Celluloid Print.

Overlay Tracing.

Accomplished by:

Approved by:

VI

ROAD AND BOUNDARIES

1. Examine road and bridge classifications.
2. Clarify road names and numbers on name overlay where necessary.
3. Note bridge legend on name overlay.
4. Add marginal distances and names of next towns on name overlay.
5. Correct manuscript or drawings from field edit sheet as shown in section I.
6. Examine all boundaries. Check against existing maps.

Accomplished by:

Approved by:

VII

CONTOURS AND DRAINAGE

1. Note on control overlay all BM's and elevations to be shown with names or numbers.
2. Examine drainage for completeness and classification.
3. Have all elevations been checked against level records?
See Data Record.
4. Is at least one vertical control station of not less than 3rd order accuracy shown?
5. Examine contours for form and check against elevations shown on the map.
6. Correct manuscript or drawings as noted in section II.

Accomplished by:

Approved by:

VIII

TYPE ORDERED

1. Send geographic name list and sheet to Geographic Name Section before ordering type.
2. Order type.

IX

BLACK PLATE

Drafted by:

Checked by:

X

DARK BLUE PLATE

Drafted by:

Checked by:

XI

LIGHT BLUE PLATE

Drafted by:

Checked by:

XII

GREEN PLATE OR OVERLAY

Drafted by:

Checked by:

XIII

BROWN PLATE

Drafted by:

Checked by:

XIV

PRELIMINARY EDIT

1. Overall check of drawings.
2. Complete final check of junctions.
3. Stick up by:
4. Stick up checked by:
5. Approved for reproduction by:
6. Proof check and final edit completed by:
7. Approved for printing by:

Inspected by:

Examined and approved:

Chief, Surveys Section

Chief, Division of Charts

Chief, Topography Section

Chief, Division of Coastal
Surveys

T-5887

	Remarks	Decisions
1		268809-11
2		267813
3		268813
4		"
5		267813
6		"
7		"
8		"
9		267814
10	Pending with USGB	"
11		"
12	Railway Guide uses form LaBelle	"
13		
14		
15		
16		Road Maps
17		"
18		"
19	To be checked on latest county road maps: not on 1941 Official State Road Map	
20		Railway Guide
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-5887

Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
<u>Caloosahatchee Canal</u>	✓										1
<u>Lake Flirt</u>											2
<u>Cypress Branch</u>	✓										3
<u>Deadman Branch</u>	✓										4
<u>Hogpen Gully</u>	✓										5
<u>York Branch</u>	✓										6
<u>Shell Creek</u>	✓										7
<u>Gregor Branch</u>	✓										8
<u>Fort Thompson</u>	✓										9
<u>Galowaycoochee Creek</u>	✓										10
<u>La Belle</u>	✓										11
<u>LaBelle Station</u>										(not Labelle Depot)	12
<u>La Belle Airport</u>											13
<u>Glades County</u>											14
<u>Hendry County</u>											15
<u>State Highway No. 25</u>											16
<u>" No. 142</u>											17
<u>" No. 164</u>											18
<u>" No. 454</u>											19
<u>Seaboard Air Line Railway</u>											20
											21
											22
											23
											24
											25
											26
											27

Names underlined in red approved
by W. Heck on 8/18/43

Division of Photogrammetry
Review of Shoreline Survey T-5887

Radial Plot:

The radial plot for the planimetric maps T-5883 to T-5889 inclusive, along the Caloosahatchie Canal west of Lake Okeechobee to the northeasterly limits of Fort Myers, Florida, was laid on adequate control at the easterly and westerly extremities but lacked a sufficient number of control stations between the fixed ends. This radial plot spanned a distance of approximately forty miles tied to only eleven stations between the fixed ends, the stations spaced at intervals of approximately four and one-half miles.

The USED had run a traverse along the canal and with the existing eleven USC&GS stations in the area, Lt. Comdr. Crosby had hoped to have adequate control upon which to lay a well controlled plot. The USED stations were identified on the field inspection photographs and the plane coordinate positions of the stations were obtained from the USED at Jacksonville, Florida. Attempts were made to convert the positions of these stations to geographic values so that they could be plotted on the map bases and used to control the aerial photographs.

However, after spending considerable time attempting to convert the values to geographic coordinates, Lt. Comdr. Crosby concluded that the values could not be obtained in time to complete the radial plot and compilation on schedule and ordered the plot laid on the USC&GS stations.

The radial plot and resulting compilations were reviewed in the Washington office where it was found that the accuracy of the work did not meet with map specifications. Accumulating errors in azimuth and distance amounting to 2 to 3 millimeters probably exist in these sheets but relative local errors are negligible.

Investigation of the USED traverse along the Caloosahatchie Canal leads to the conclusion that even though this control might be found to be adequate for map control, the effort of obtaining the necessary information from the USED, computing and possibly affecting additional ties to USC&GS stations, replotting the aerial photographs and recompiling or revising the compiled sheets would not be practical nor would it materially improve the nautical charts prepared from these sheets.

The basic map data of these sheets have been used in the preparation of nautical chart 1289. The scale of these compiled sheets is 1:10,000 and the nautical chart 1:80,000. Because of the great reduction in scale between the base maps and the compiled nautical chart, the latter is probably sufficiently accurate.

Therefore, the sheets T-5883 to T-5889 inclusive will be treated as shoreline sheets only. They are not to be published for distribution, but will be drafted and printed for Bureau use exclusively with the possible exception of T-5883, which after the review is completed may be found to meet current map specifications.

Field Inspection and Detailing:

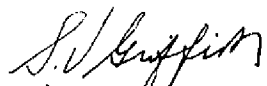
Field inspection was adequate and the detailing complete. Only a few minor changes in the manuscript were necessary during the review.

Comparison with Previous Surveys:

There are no previous topographic surveys of the Coast Survey in this area.


Comparison with Nautical Charts:


T-5887 was applied to Chart 1289 in August 1943 prior to this review. However, no changes of consequence to the chart have been made during review.



Reviewed under the direction of S. V. Griffith

APPROVED:


B. G. Jones, Technical Asst. ~~Chief~~
Div. of Photogrammetry


Chief, Nautical Chart Branch
Division of Charts


Chief, Div. of Photogrammetry


Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. *T-5887*

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
<i>11-19-48</i>	<i>1289</i>	<i>R.H. Andros</i>	Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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			Before After Verification and Review
			Before After Verification and Review

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.