

5885

CS-24

5885

Form 504

U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE

**DESCRIPTIVE REPORT**

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Type of Survey Topographic

Field No. \_\_\_\_\_ Office No. T-5885

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LOCALITY

State Florida

General locality Hendry County

Locality Town of LaBelle

Date of Photos - 12-21-39  
1943

CHIEF OF PARTY

Lieut. Comdr. Kenneth G. Crosby

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LIBRARY & ARCHIVES

DATE Jan 2 - 1947

applied to chart 1289

8/24/43

JHE

" " " "

Nov. 19, 1948

before  
review  
after review

C

○

## DATA RECORD

T- 5885

Quadrangle (II):

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

Field Office: Tampa, Fla.

Chief of Party: K. G. Crosby

Compilation Office: Tampa, Fla.

Chief of Party: K. G. Crosby

Instructions dated (II III): Apr. 3, 1940

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

Completed survey received in office:

7/2/43

Reported to Nautical Chart Section:

1/26/45

Reviewed:

4/17/46

Applied to chart No.

Date:

Redrafting Completed:

7/9/46

Registered:

12/46

Published:

*Not to be published*

Compilation Scale: 1:10,000

*Printed*  
Published Scale:

1:10,000

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L.

Reference Station (III): Alva, (U.S.E.) 1937

Lat.: 26° 42' 31".772 (977.8m) Long.: 81° 33' 59".981 (1658.0m) ~~Adjusted~~  
~~Unadjusted~~

State Plane Coordinates (VI):

WEST ZONE

X = 641,468.57

Y = 863,533.01

EAST ZONE

X = 315,005.87

Y = 863,703.74

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
4405	12/21/39	10:52	1:10,000	2
4406	"	10:52	"	2
4407	"	10:53	"	2
4408	"	10:53	"	2

Tide from (III), Ft. Myers,, Caloosahatchee River

Mean Range: 0.7

Spring Range: 0.9

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

Field Inspection by: H. A. Duffy, Prin. Photo. Aid

date: Jan & Feb. '43

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: Wash. Office

date: 2/6/43

Control plotted by: K. G. Crosby, Chief of Party

date: 2/16/43

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

date: 2/16/43

Radial Plot by: Tampa Office Personnel

date: 2/24/43

Detailed by: J. Collins, Photo. Aid

date: May & June '43

Reviewed in compilation office by: J. A. Giles

date: June '43

Elevations on Field Edit Sheet

checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Miles); 20.82

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

Shoreline (Less than 200 meters to opposite shore); 19.68

Number of Recoverable Topographic Stations established; 14

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;



DESCRIPTIVE REPORT  
TO ACCOMPANY  
SHEET NO. T-5885

CONTROL

There are two triangulation stations within the limits of this sheet which were held to during the laying of the radial plot. No difficulty was experienced holding these during compilation to cut in additional radial points.

*Owanita (U.S.E.) 1937*  
*Alva (U.S.E.) 1937*

MAIN RADIAL PLOT

For a discussion of the radial plot of which this sheet is a part reference is made to the compilation report for sheet T-5888.

DETAILING

The photographs used in detailing this sheet were clear and the scale reasonably good.

Field inspection was adequate.

SUPPLEMENTAL DATA

No other surveys, maps, or plans were used to supplement photographs except in determination of destination of highways and railroads. In this case the general highway map of Florida was used.

HYDROGRAPHIC CONTROL

There are <sup>NINE (9)</sup> ~~eight~~ marked stations which can be used as hydrographic control on this sheet, Namely:

- 669 ± 65.81 (U.S.E. Trav. Div. 8) P.I. 1935
- 720 ± 11.63 (U.S.E. Trav. Div. 8) 1935.
- 880 (U.S.E. Trav. Div. 8) 1935
- 900 ± 00 ( U.S.E. Trav. Div. 8 ) 1935
- 980 ± 00 ( U.S.E. Trav. Div. 8 ) 1935
- N R/W 780 ± 00 (U.S.E. Trav. Div. 8) 1935
- 820 ± 00 ( U.S.E. Trav. Div. 8 ) 1935
- 840 ( U. S. E. Trav. Div. 8 ) 1935
- 940 ± 00 U.S.E. Trav. Div. 8) 1935

*B*

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There is no quadrangle map available at this office for comparison.

COMPARISON WITH NAUTICAL CHARTS

There were no charts available at this office for comparison.

Respectfully submitted

*James Collins*  
James Collins  
Photogrammetric Aid

Forwarded By:

*Kenneth G. Crosby*  
Kenneth G. Crosby  
Chief of Party..

PLANT

- Ag - Agave
- Ca - Caryophyllaceae
- Co - Compositae
- Pa - Palmaceae
- Uc - Umbelliferae
- Vi - Viciales
- Vo - Violaceae
- Ar - Araceae
- Bo - Boraginaceae
- Co - Convolvulaceae
- Di - Dipsacaceae
- Fi - Fumariaceae
- Gu - Guttiferes
- La - Labiales
- Ma - Malvaceae
- Me - Menyanthes
- Mo - Mimosaceae
- Or - Orchidaceae
- Pi - Piperaceae
- Ps - Psittacanthaceae
- Ra - Ranunculaceae
- Sc - Scrophulariaceae
- So - Solanaceae
- St - Stemonaceae
- Ta - Tiliaceae
- Tr - Tropaeaceae
- Va - Verbenaceae
- Vi - Viciales
- Vo - Violaceae
- Wa - Waverley
- Xa - Xanthoxylaceae
- Zo - Zosteraceae

PLANTATION

- Ca - Cerealia
- Co - Cerealia
- Di - Dipterocarpaceae
- Pa - Palmae
- Uc - Umbelliferae
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ROADS & RAILROADS

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DIVISION OF CHARTS

SURVEYS SECTION

REVIEW, EDITING, AND DRAFTING OF T- 5885

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  
14 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 edclinations.

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 0 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

## Remarks

## Decisions

	Remarks	Decisions
1		USCB
2		267815
3		267816
4		"
5		"
6		"
7		"
8		
9		
10		
11		Road Maps
12	Nov., 1941 Official State Road Map shows No. 292 as leading to Alva from west-northwest.	
13	New number to be checked on latest county road maps.	
14		Railway Guide
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GEOGRAPHIC NAMES

Survey No. T-5885

Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
	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			
<u>Caloosahatchee River</u>	✓										1
<u>Spanish Creek</u>	✓										2
<u>Bedman Creek</u>	✓										3
<u>Alva</u>	✓										4
<u>Owanita</u>	✓										5
<u>Cypress Creek</u>	✓										6
<u>Hickey Creek Canal</u>	✓										7
											8
<u>Lee County</u>											9
<u>Hendry County</u>											10
<u>State Highway No. 25</u>											11
<u>State Highway No. 357</u>											12
											13
<u>Seaboard Air Line Railway</u>											14
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Names underlined in red approved  
 L. Heck on 8/18/43

Division of Photogrammetry  
Review of Shoreline Survey T-5885

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, with the exception of bridge information. A discrepancy exists between the clearances reported by the field inspection and the U. S. Engineer bridge list, as follows:

	Field Inspection	Bridge List
Ver. Cl.	11' at M. H. W.	7' at H. W.
Hor. Cl.	63' (N. Span)	68' Left Span 68' Right Span

Comparison with Previous Topographic Surveys:

None

Comparison with Nautical Charts:

T-5885 was applied to nautical chart 1289 prior to this review. Changes made during the review are not of consequence to the chart.

Reviewed under the direction of *S. V. Griffith*  
S. V. Griffith.

APPROVED:

*B. G. Jones 11/46*  
B. G. Jones, Technical Asst., Div. of Photogrammetry

*H. C. ...*  
Chief, Nautical Chart Branch  
Division of Charts

*K. T. Adams*  
Chief, Div. of Photogrammetry

*C. J. Green*  
Chief, Div. of Coastal Surveys