

5884

5884

|                                 |                        |
|---------------------------------|------------------------|
| Form 504                        |                        |
| U. S. COAST AND GEODETIC SURVEY |                        |
| DEPARTMENT OF COMMERCE          |                        |
| DESCRIPTIVE REPORT              |                        |
| Type of Survey                  | Air Photo. Compilation |
| Field No.                       | Office No. T-5884      |
| LOCALITY                        |                        |
| State                           | Florida                |
| General locality                | West Coast             |
| Locality                        | Caloosahatchee River   |
| Date of Photos - 12-21-39       |                        |
| 1943                            |                        |
| CHIEF OF PARTY                  |                        |
| Lieut. Comdr. Kenneth G. Crosby |                        |
| LIBRARY & ARCHIVES              |                        |
| DATE Dec 9 - 1946               |                        |

applied to ch. 1289 Aug 30, 1943 EHE before  
" " " " Nov 19, 1948 MA review  
after review

C

C

## DATA RECORD

T- 5884

Quadrangle (II):

Project No. (II):  
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: 4/28/43

Reported to Nautical Chart Section: 1/26/45

Reviewed: 4/16/46 Applied to chart No. Date:

Redrafting Completed: 6/28/46

Registered: 12/46

Published: *Not to be published*

Compilation Scale: 1:10,000

*printed*  
Published Scale: 1:10,000

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927 Datum Plane (III): M.S.L.

Reference Station (III): Olga, 1937

Lat.: 26° 43' 48.512 (1493.0 m.) Long.: 81° 42' 35.194 (972.7 m.) Adjusted  
Unadjusted

State Plane Coordinates (VI): WEST ZONE

X = 594,729.11

Y = 871,148.35

EAST ZONE

X = 268,326.05

Y = 871,686.15

Military Grid Zone (VI)

PHOTOGRAPHS (III)

| <u>Number</u> | <u>Date</u> | <u>Time</u> | <u>Scale</u> | <u>Stage of Tide</u> |
|---------------|-------------|-------------|--------------|----------------------|
| 4240          | 12-13-39    | 10:50       | 1:10,000     | + 0.2                |
| 4402          | 12-21-39    | 10:50       | "            | + 0.2                |
| 4403          | 12-21-39    | 10:51       | "            | + 0.2                |
| 4404          | 12-21-39    | 10:51       | "            | + 0.2                |

Tide from (III): Fort Myers-Calcoosahatchee River, Reference Station:

Mean Range: 0.7'

Spring Range: 0.9' Tampa Bay

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

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

date: Jan. 1943

Field Edit by:

date:

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

Date of Photographs

Projection and Grids ruled by (III)

date:

" " " 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: 2-16-43

Radial Plot by: Office Personnel

date: 2-24-43

Detailed by: R. Dossett, Sr. Photo. Aid

date: March 1943

Reviewed in compilation office by: A.L.Kidwell,  
Jr. Topo. Engr.

date: April 1,  
1943

Elevations on Field Edit Sheet  
checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 26.6

Shoreline (More than 200 meters to opposite shore): 0.5

Shoreline (Less than 200 meters to opposite shore): 19.3

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-5884

PROJECT 242-D

CONTROL

No unusual conditions were encountered.

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 was plentiful throughout the sheet.

All photographs were generally clear and of good scale. No difficulty was experienced in interpretation of detail.

The geographic name "Sulphur Head", shown on the survey sheet, was spelled "Sulfur Head" on Name Sheet and in "Special Report for Geographic Names, dated January 30, 1943. It is believed that the name "Sulphur" is the correct spelling.

SUPPLEMENTAL DATA

No supplemental data was available.

LANDMARKS AND AIDS TO NAVIGATION

Seven Non-Floating Aids to Navigation have been listed on form 567 and is made a part of this report.

HYDROGRAPHIC CONTROL

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

The following U. S. E. Traverse Stations, established by radial line intersection and appearing along the Caloosahatchee River appear on this sheet. No geographic positions were available for these stations since the traverse was computed on a system of local coordinates.

*Chart Letter  
# 284 - '43*

*B*


| <u>STATION</u> | <u>DATE</u> | <u>ESTABLISHED BY</u> |
|----------------|-------------|-----------------------|
| 1291 + 91.75 ) | 1935        | U.S.E.                |
| 1246 + 61.36 ) | "           | "                     |
| 1191 + 76.30 ) | "           | "                     |
| 1165 + 02.50 ) | "           | "                     |
| 1099 + 01.90 ) | "           | "                     |
| 1080 + 00 )    | "           | "                     |
| 1020 + 00 )    | "           | "                     |

Hydrographic Stations Had, 1943 and Bow 1943, established by K. G. Crosby, also appear.

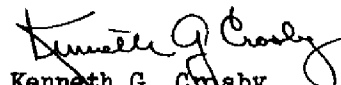
COMPARISON WITH OTHER SURVEYS

There were no surveys available for a comparison of this area.

Respectfully submitted,

  
Rudolph Rossett  
Sr. Photogrammetric Aid

Forwarded by:

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





- #4 - Pencil
- B - Ice break (distained)
- SW - Ice break (distained)
- Sam - Secretary
- Park - Look (give name)
- Shawl - Spores, tinted by long dried  
like for use by hydrographer
- T.T. - Fire tower
- T.T. - Transmission tower (tall steel)
- Pole - Power line

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW, EDITING, AND DRAFTING OF T- 5884

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  
15 H+T 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 0 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-5884

Remarks

Decisions

|    |  |               |
|----|--|---------------|
| 1  |  | USGB          |
| 2  |  | 266817 "      |
| 3  |  | 267816        |
| 4  | Not Gulley   | "             |
| 5  |  | "             |
| 6  |  | "             |
| 7  |  | "             |
| 8  |  | 267817        |
| 9  |  | "             |
| 10 |  | "             |
| 11 |  | "             |
| 12 |  | "             |
| 13 |  | "             |
| 14 |  |               |
| 15 |  | Railway Guide |
| 16 |  | Road Maps     |
| 17 |  | "             |
| 18 |  | "             |
| 19 | Not found on any available road map: probably<br>a number recently assigned by State Highway Dept. |               |
| 20 |  |               |
| 21 |  |               |
| 22 |  | 267817        |
| 23 |  | "             |
| 24 |  | 266817        |
| 25 |  |               |
| 26 |  |               |
| 27 |  |               |

# GEOGRAPHIC NAMES

Survey No. T-5884

| GEOGRAPHIC NAMES            |  |   |   |   |   |   |   |   |   |    |  |
|-----------------------------|--|---|---|---|---|---|---|---|---|----|--|
| Survey No. T-5884           |  |   |   |   |   |   |   |   |   |    |  |
| 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> |   |   |   |   |   |   |   |   |    |  |
|                             | A  | B | C | D | E | F | G | H | K |    |  |
| ✓ Caloosahatchee River      | ✓  |   |   |   |   |   |   |   |   | 1  |  |
| ✓ Orange River              | ✓  |   |   |   |   |   |   |   |   | 2  |  |
| ✓ Cypress Creek             | ✓  |   |   |   |   |   |   |   |   | 3  |  |
| ✓ Hall Gully                | ✓  |   |   |   |   |   |   |   |   | 4  |  |
| ✓ Hickey Creek              | ✓  |   |   |   |   |   |   |   |   | 5  |  |
| ✓ Hickey Creek Swamp        | ✓  |   |   |   |   |   |   |   |   | 6  |  |
| ✓ Fichter Creek             | ✓  |   |   |   |   |   |   |   |   | 7  |  |
| ✓ Telegraph Creek           | ✓  |   |   |   |   |   |   |   |   | 8  |  |
| ✓ Olga                      | ✓  |   |   |   |   |   |   |   |   | 9  |  |
| ✓ Buckingham Siding         | ✓  |   |   |   |   |   |   |   |   | 10 |  |
| ✓ Upcohall                  | ✓ (landing)  |   |   |   |   |   |   |   |   | 11 |  |
| ✓ Trout Creek               | ✓  |   |   |   |   |   |   |   |   | 12 |  |
| ✓ Sulphur Head              | ✓  |   |   |   |   |   |   |   |   | 13 |  |
|                             |  |   |   |   |   |   |   |   |   | 14 |  |
| ✓ Seaboard Air Line Railway | ✓  |   |   |   |   |   |   |   |   | 15 |  |
| Florida Highway 2           |  |   |   |   |   |   |   |   |   | 16 |  |
| " 25                        |  |   |   |   |   |   |   |   |   | 17 |  |
| " 292                       |  |   |   |   |   |   |   |   |   | 18 |  |
| " 357                       |  |   |   |   |   |   |   |   |   | 19 |  |
| Lee County                  |  |   |   |   |   |   |   |   |   | 20 |  |
|                             |  |   |   |   |   |   |   |   |   | 21 |  |
| Offter creek                |  |   |   |   |   |   |   |   |   | 22 |  |
| Devils Elbow                |  |   |   |   |   |   |   |   |   | 23 |  |
| Buckingham                  | name ok but position doubtful on this sheet.   |   |   |   |   |   |   |   |   | 24 |  |
|                             |  |   |   |   |   |   |   |   |   | 25 |  |
|                             |  |   |   |   |   |   |   |   |   | 26 |  |
|                             |  |   |   |   |   |   |   |   |   | 27 |  |

M 234

Names of places approved  
by L. Heck on 8/12/43

## Division of Photogrammetry

### Review of Shoreline Survey T-5884

#### 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-588<sup>4</sup> 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:

Adequate

Comparison with Previous Surveys:

None

Comparison with Nautical Charts:

T-588<sup>4</sup> was applied to Chart 1289 prior to this review. Changes made during the review are not of consequence to the chart.

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

APPROVED:

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

*H. C. Edmonston*  
Chief, Nautical Chart Br.  
Division of Charts

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

*Raymond P. Lyman*  
Chief, Div. of Coastal Surveys