

6255

Form 504  
Rev. Dec. 1933

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY  
R. S. PATTON, DIRECTOR

## DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. D

State ALABAMA

### LOCALITY

Intracoastal Waterway

Wolf Bay to Oyster Bay

1934-5

CHIEF OF PARTY

I. E. Rittenburg

U. S. GOVERNMENT PRINTING OFFICE: 1934

6255

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

Registry No. 6255

Field No.

Scale 1-10,000

State Alabama General locality Intracoastal Waterway

Specific locality Wolf Bay to Oyster Bay

Dates: Survey began Completed

Photography 18 May 1945 Supplemented by ground surveys to

Project No. Ph-1 (45) Instructions dated 7 Dec 45; Sup. 1, 28 Dec 45; Sup. 2, 5 Jan 46; Sup. 3, 31 Jan 46.

Vessel } or Shore Party Chief of party Ross A. Gilmore

Field work by Boynton Locke Office work by Boynton Locke

Final inking by I.I. Saperstein

Ground elevations } in feet above { M. H. W.  
Treetop elevations } or {

Contours } by { Planetable } Interval ft.  
Approximate contours } Multiplex }  
Form lines }

REMARKS

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURV  
LIBRARY AND ARCHIVES

REG. NO.

APR 16 1935

Acc. No. \_\_\_\_\_

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.

Field No. D

REGISTER NO. 6255

State Alabama

General locality Intracoastal Waterway<sup>20</sup>

Locality Bay to  
Between Wolf and Oyster Bay<sup>22</sup>

Scale 1:10,000 Date of survey Dec. 1934 Jan, 19 35

Vessel Shore Party 15

Chief of party I. E. Rittenburg

Surveyed by W. N. Martin

Inked by W. N. Martin

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated Nov. 30, 1934, 19 \_\_\_\_\_

Remarks: \_\_\_\_\_

DESCRIPTIVE REPORT TO ACCOMPANY  
TOPOGRAPHIC SHEET REGISTRY NO. 6255

PROJECT: Ph-1 (45) DATE OF INSTRUCTIONS: 7Dec45; Sup. 1,  
28Dec45; Sup. 2, 5Jan46; Sup. 3, 31Jan46.

No field work was done on this sheet. Notes in orange ink appearing on this sheet made by this party refer to work done on sheets Registry No. 6253 a and b and data determined during field work.

Submitted by

Boynton Locke, Jr.  
(Name & Title) *Topo. Eng.*

Approved and forwarded.

Ross A. Gilmore  
Ross A. Gilmore  
Chief of Party

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET " D ", project H&T 186  
INTRACOASTAL CANAL BETWEEN OYSTER BAY AND WOLF BAY ALABAMA. Jan, 1935.

1 Authority.

This survey was made in accordance with instructions from the Director dated Nov. 30, 1934. Field work was done in Dec., 1934 and Jan., 1935.

2 Limits of sheet and junctions

This sheet covers the intracoastal aterway canal from the SW extremity of Wlf Bay Alabama to Oyster Bay, Ala. This sheet joins Sheet C front on the east and C back on the west.

3 General Desc. of Country.

The area surveyed on this sheet consists of flat country. The canal is bordered by marsh grass, second growth pine and open grassy fields. There are no landmarks except the beacons at the two ends of the canal. There are two small houses near the pontoon bridge near Sta. Higdon, 1934, a house and shed near the pontoon bridge for Ala. state Highway # 3 and 2 houses 7/8 mile East of Oyster Bay. The banks of the canal are in general very straight and even except at the E. end where several creeks run into the canal.

4 Control, Datum, and Scale.

The datum for this sheet is the final adjusted N. A. 1927. The ~~xxxxxx~~ scale is 1:10,000. The basic control was furnished by the party of Lieut. J.G. M.H. Reese, 1934.

5 Methods

There were only 4 triangulation stations on this sheet which was split into two sections. Only 3 of these were checked positions and no two of these three signals were intervisible without building a tall tower. It was therefore necessary to locate a signal on sheet C front that was intervisible with Sta. W 5 USE and Higdon, 1934. This was done and then this signal was tranfered to this sheet as a starting point for a traverse to locate the canal. Small signals were built along both sides of the canal to insure no loss in azimuth. As mentioned above the traverse was started from this signal transferred from sheet C front which was intervisible with both W 5 and Highdon and the initial orientation was made on Higdon with a check on W 5. All signals visible were then out in from this point and were subsequently occupied, orienting back on the signal and checking on Higdon. The first traverse between this point and Higdon failed to check by 8 meters. Upon investigation it was found that the scale attached to the alidade was in error. This was rerun using a 1/4 meter scale and there was no error in this section of the traverse. The traverse was then carried westward from Higdon toward sta. Rob. Upon reaching a setup N. of signal V a check was had upon the azimuth by checking the orientation on Rob. This section of the traverse had an error of 3 meters in distance. This was adjusted over the whole section of the travers. From Rob the traverse was carried westward and tied into Bn. 91 with no error.

6 Marks of U. S. Eng.

All of the U. S. Eng. right of way markers shown on the sheet were located by stadia distance or by distance and two cuts. These stations are all 4 x 4 cement monuments with a copper nail or pipe in the top with no other distinguishing marks. Form 524 was filled out for all these monuments which could be described with any hope of their being recovered from the description and which were intervisible with some other station. A single card of form 524 was made for all the others which can be recovered only by traverseing.

7 Check with Air Photo Reduction Sheets

The location of the canal as shown on this sheet was checked with the aerial photo reduction sheet and no discrepancies were found. The nature of the topographic features were not required as these are shown on the air phot sheet

7 Landmarks for charts & Coast Pilot Notes

There are no objects of sufficient prominence for charting on this sheet. The Coast Pilot Notes were included with the report for Hydro. sheet 9

W. N. Martin, Aid.,  
Coast & Geodetic Survey.

This sheet was examined and approved.

I. E. Rittenburg, Lieut.,  
Coast & Geodetic Survey,  
Chief of Party.

REVIEW OF GRAPHIC CONTROL SURVEY T-6255, SCALE 1:10,000

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5497, 5498, , with particular attention to the following details:

- ✓ (a) Projection has been checked in the Field.
- ✓ (b) Accuracy of location of plane table control points.
- ✓ (c) Discrepancies between detail on this survey and the air photo compilations listed above.
- ✓ (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5497, 5498, , for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

Notes and corrections resulting from the review are shown on this survey in green.

T 5497 - H. Deel Jr. - 8-23-35  
 T 5498 - H. Deel Jr. - 8-24-35  
 Frank B. Eakin