

6351

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

OCT 28 1935

Acc. No. _____

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No. **6351**

State Florida

LOCALITY

Apalachee Bay
~~Gulf Coast~~

St. Marks River.

193 5

CHIEF OF PARTY

C. A. Egner.

U. S. GOVERNMENT PRINTING OFFICE: 1934

1
10
33
20

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

OCT 28 1935

REG. NO.

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.W.....

REGISTER NO. 6351

State...Florida.....

General locality...~~Gulf Coast~~ Apalachee Bay.....

Locality...St. Marks River.....

Scale...1/5000..... Date of survey...June-July 1935., 19.....

Vessel...Field Party #23.....

Chief of party...C. A. Egner.....

Surveyed by...H. P. Theus. Observer.....

Inked by...H. P. Theus.....

Heights in feet above.....to ground to tops of trees

Contour, Approximate contour, Form line interval.....feet

Instructions dated...Supplemental June 5, 1935., 19.....

Remarks: This is a single sided bristol board.....

DESCRIPTIVE REPORT

to accompany

Topographic Sheet

W

Instructions

This work is covered by Supplemental Instructions dated June 5, 1935, which called for an extension eastward to St. Marks Lighthouse of the original Instructions of Nov. 30, 1934.

Limits

Three sheets on a scale of 1/5000 (W,R,Q) were laid out to cover the St. Marks River from the Lighthouse to the settlement of St. Marks. This sheet is the lower one of the three.

Purpose

To revise existing surveys; to delineate the shoreline since aerial photography does not extend over this area; to provide control for hydrography; to establish permanent recoverable stations for later revision work; and to provide field control for photographs if and when they are taken.

Methods and Instruments

The usual planetable outfit was used. Since no aerial photography has yet been flown over this area, complete topography was taken of all shoreline as far as the hydrography was extended. This covered the main body of the river and prominent tributaries, the scale of the sheet being such that laterally it was expected that adjacent sheets would cover much of these tributaries on a scale of 1/10000. The shoreline along the water was rodged in; tree lines back from the marshy areas were not delineated. All signals, including the numerous channel beacons, were located by intersection from the triangulation stations or from set-ups based on them.

Control--Horizontal

A third order scheme of triangulation was established in this area for this control. It was based on stations of the 1st order work of 1934, supplemented by "breakdown" stations inserted by the 1st order party, and by several recovered stations of old work.

Control--Vertical

None, as the area is all practically at sea level.

Work of the U. S. Engineer Dept.

While this work was being done, the U. S. E. Dept. was engaged in preliminary investigations looking forward to channel and port development at St. Marks. Control stations of their work were tied in to our datum, and several of their stations marked with 2" galv. pipe were included in our list of recoverable stations.

Marking of Stations A

As noted above, several stations of the U. S. E. D. were located and included in our list. These, with the numerous triangulation stations furnish recoverable stations for future revision work.

Landmarks

None, except St. Marks L. H. already charted.

Geographic Names

Charted ones have been retained.

Magnetic Meridian

Obtained at Δ IND July 15, 1935.

Transfer of signals

Recoverable stations by dms and dps; others by tracing.

Changes since last survey

None worthy of note.

Respectfully submitted,



H. P. Theus, Observer.

Approved and forwarded:


 C. A. Egner,
 Chief of Party.

LIST OF RECOVERABLE STATIONS. SHEET W.

Name	Lat.	meters	Long.	meters	Description
SUE					
(USE East R)	30 05	1183 (664)	84 11	388 (1218)	4"x4" conc. monument showing 12".
USE MUD	30 04	1341 (506)	84 10	1574 (32)	2" galv. pipe showing 2'.
USE SAW	30 05	1725 (122)	84 11	941 (665)	4"x4" conc. monument showing 14".

Survey No. 6351

Date. Nov. 14, 1935

Chart No. 181

Diagram No. 181

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

[illegible]

REVIEW OF TOPOGRAPHIC SURVEY No. 6351(1935) Field Letter W

Title (Par. 56) *St. Marks River, Apalachee Bay, Florida*Chief of Party *C. A. Egner* Surveyed by *H. P. Theus* Inked by *H. P. Theus*Ship *Field Party No 23* Instructions dated *Nov. 30, 1934*
June 5, 1935 Surveyed in *June-July, 1935.*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.) ✓
4. ~~The amount of vertical control that the Manual specifies for contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)~~
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.)
No contours, flat area
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.)
None submitted
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.)
None of these features are shown.
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)
No rocks in this area except oyster reefs. These were not located topographically
10. ~~The span, draw and clearance of bridges are shown. (Par. 16c.)~~
11. ~~Locations and elevations of summits are given. (Par. 10, 51.)~~
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

13. The descriptive report covers all details listed in the Manual, in ☒ so far as they apply to this survey. (Par. 64, 65, 66, 67.)
14. ~~The descriptive report also contains additional information required in aere topography relative to type of photographs, method of compilation and type of ground control.~~
15. The descriptions of recoverable stations and references to shore line ☒ were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of IMs and DPs, 68.)
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.)
No landmarks except those previously reported.
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *Meridian shown but no evidence declinatoire was checked*
18. The geographic datum of the sheet is *N. A. 1927* and the ☒ reference station is correctly noted. (Par. 34.)
19. Junctions with contemporary surveys are adequate *There is a discrepancy in the shoreline of about 11 meters at the junction with T-6350 (1935) on the north (East shore) T-6351 (1935) should be used for that section of the shoreline common to both sheets because the control on that sheet is better.*
20. Geographic names are shown on the sheet and are covered by the Des- ☒ criptive report. (Par. 64, 66k.)
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, ☒ 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.)
22. No additional surveying is recommended. *This can not be considered a complete survey of this area, however, since aerial photographs will eventually be taken no additional plane table work is recommended.*
23. The Chief of Party inspected and approved the sheet and the descriptive ☒ report, ~~after review by~~
24. Remarks:

Reviewed in office by *R. L. Johnston April 14, 1936.*
Inspected by A. L. Shalawty

Examined and approved:

E. H. Green.
Chief, Section of Field Records
L. A. Polbit.
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work
W. H. de
Chief, Division of Hyd. and Top.