

6350

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

OCT 28 1935

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

DESCRIPTIVE REPORT

Topographic }
~~Hydrographic~~ } Sheet No. R 6350

State Florida

LOCALITY
Apachee Bay
~~Gulf Coast~~

St. Marks River

1935

CHIEF OF PARTY

C. A. Egner

U. S. GOVERNMENT PRINTING OFFICE: 1934

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

U.S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

REG. NO.

TOPOGRAPHIC TITLE SHEET

OCT 28 1935

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. R.

REGISTER NO. 6350

State Florida

General locality ~~Gulf Coast~~ Apalachee Bay

Locality St. Marks River.

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

Vessel Field Party #23.

Chief of party C. A. Egner.

Surveyed by H. P. Theus, Observer.

Inked by C. A. Egner.

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: A double sided bristol board, no work having been done on reverse side having projection for sheet "Q" upper portion of St. Marks River...

DESCRIPTIVE REPORT

to accompany

Topographic Sheet

R

Instructions

This work was 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

This sheet covers the middle section of the St. Marks River, three sheets on a scale of 1/5000 being laid out to extend from St. Marks L. H. up the river as far as the settlement of St. Marks. Sheet Q joins it on the north; Sheet W on the south.

Field sheet Q has not been received, probably not surveyed

Purpose

To revise existing surveys; to delineate the shoreline since aerial surveys do not as yet reach this far eastward; to provide control for hydrography; to establish permanent recoverable stations for later revision work; and to provide control for aerial photographs if and when they are taken.

Methods and Instruments

All of the work was done with the usual planetable outfit. Since no aerial photographs are available for this area, complete topography was taken of all shoreline as far as the hydrography was to be extended. This covered the main body of the St. Marks River, and its major branches as far as fixed position hydrography was feasible. The shoreline along the water was rodged in; no attempt was made to outline the tree line inland from the marshy areas. All signals were located by intersection from triangulation stations, or from set-ups using those triangulation stations for control.

Control--Horizontal

Depends upon third order triangulation broken down from first order work of 1934, by the 1st order party in 1935, and further extended by this field party. Several stations of previous work were used in this "breakdown" operation. All were tied together in a continuous scheme. All stations are on the N. A. 1927 datum.

Control--Vertical

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

Marking of Stations

Aside from the triangulation, which was monumented and referenced in the usual manner, several stations of the U. S. Engineers Dept., which has been engaged in preliminary work preparatory to channel dredging in this river, were recovered and incorporated in our work. These stations are all marked with 2" galv. pipe, are well located, and are considered quite permanent in character. These were used as recoverable stations and so noted in our records.

Landmarks

None worthy of record.

Geographic Names

Charted ones have been retained.

Magnetic Meridian

Obtained at Δ Leon June 17, 1935.

Method of transfer of signals and shoreline to Hydro. Sheet.

Recoverable stations by dms and dps.; others, and shoreline by tracing.

Changes since last survey

No important changes are noted. It is expected that in case the U. S. E. Dept. proceeds with river and harbor development considerable alteration will take place, with the channel deepened and straightened and consequent changes in the marshy shoreline.

Respectfully submitted,

H. P. Theus

H. P. Theus, Observer.

Approved and forwarded:

C. A. Igner

C. A. Igner.
Chief of Party.

LIST OF RECOVERABLE STATIONS

Name	Latitude	meters	Longitude	meters	Description
Cow					
(USE Mac)	30 07	788.5 (1059)	84 12	93 (1513)	2" Galv. pipe, showing 2'.
Kit					
(USE Otha)	30 07	371 (1476.5)	84 11	1456 (150)	Do.
Pig					
(USE Hunt)	30 07	26 (1821)	84 12	484 (1122)	Do.
USE					
Reed	30 06	996 (851.5)	84 12	794 (812)	Do.
USE Cap	30 06	1308 (539.5)	84 12	199 (1407.0)	Do.

Survey No. 6350

Date, Nov. 14, 1935

GEOGRAPHIC NAMES

Chart No. 181

Diagram No. 181

Approved by the Division of Geographic Names, Department of Interior. *

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

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>St. Marks River</u> ✓	same			
		<u>Hunting Bayou</u> ✓			
		<u>Three Mile Pt.</u> ✓			
		<u>Four Mile Pt.</u> ✓			
Names approved Jan. 14 1936					
<i>E. E. Noel</i>					

REVIEW OF TOPOGRAPHIC SURVEY No. 6350 (1935) Field Letter R

Title (Par. 56) *St. Marks River, Apalachee Bay, Florida*Chief of Party *C.A. Egner* Surveyed by *H.P. Theus* Inked by *C.A. Egner*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 the area except oyster reefs, which 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. 19, 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 aero-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 DMs and DPs, 68.)
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.)
None submitted, none worthy of record
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *Meridian shown but no evidence declination 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.
~~Sheet to southwest field sheet A, not received. There is a discrepancy in the shoreline of about 4 meters at the junction with T-6351 (1935) on the south (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 Descriptive 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 *P.L. Johnston April 14, 1936*
Inspected by A. T. Chalcraft

Examined and approved:

C. H. Green
Chief, Section of Field Records

L. O. Polhart
Chief, Division of Charts

Frederick L. Peacock
Chief, Section of Field Work

Stude
Chief, Division of Hyd. and Top.