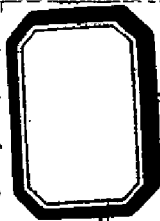


4201



Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

E. Lester Jones, Director

U. S. COAST AND GEODETIC SURVEY

L. & A.

NOV 2 1926

State: Florida

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. E 4201

LOCALITY

Tampa Bay

East shore, Hillsboro Bay

Alafia River

192

CHIEF OF PARTY

Ray L. Schappe

GOVERNMENT PRINTING OFFICE

4201

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "E"

HILLSBORO BAY, FLA.

STEAMER BACHE

Ray L. Schoppe

Comdg.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "E"

HILLSBORO BAY, FLA.

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EXTENT: This sheet represents a survey of the shoreline between Triangulation Station Mangrove and Triangulation Station Ball 2 on east side of Hillsboro Bay.

It joins sheet "D" on the south and sheet "F" on the north.

CONTROL: Recovered triangulation Stations and newly established stations were used almost entirely. In the survey of Alafia River a number of topographic determinations were employed.

METHODS: Along the outside shoreline three point fixes were used almost exclusively with an occasional short traverse into a bayou. In surveying the Alafia River it was necessary to use stadia traverse over the entire distance.

CHANGE IN SHORE LINE: The shore line as indicated on this sheet shows few marked changes. Erosion has taken place all along this area, comparisons with the old photostat showing amounts varying from twenty to fifty meters. The photostat also shows a considerable number of small mangrove islands about two miles south of the entrance to the Alafia River. The majority of these no longer exist. Triangulation Station Young established by the U.S. Engineers in this area could not be recovered, It's position is now covered by three or four feet of water at low tide. Very little change seems to have taken place in the Alafia River.

REMARKS: The shoreline south of the Alafia River is grown up in mangrove and consequently presents an indefinite high water line. The growth is so thick as to prevent running the topography back to high ground without considerable difficulty. A thin fringe of mangrove is shown beyond which the topographer is unable to vouch for the character of the vegetation. It is thought that the old survey will show the character of this vegetation accurately.

Because of the narrowness of the Alafia River and its hydrographic development it was decided to survey the upper portion on a scale of 1 - 10,000. High water line is shown by a definite

black line although the symbols for mangrove and marsh appears in close conjunction with it. This was considered best because of the fact that all topographic signals are established on firm ground. The close spacing of these signals established a fairly definite shore line. Marsh does exist in close proximity to some of these signals however.

The projection covers the same area as sheet "F" but in order to avoid long runs by launch or serious delays to entire ship's company, two topo parties were operated in this area simultaneously. The details of the Alafia River necessitated a sub-plan which could not have been located on this sheet had the entire area been inked on one sheet.

STATISTICS: This survey was made during the months of March and April of 1926. It comprised 32.8 miles of shoreline, 17.4 miles of rivers and creeks, and 5.4 miles of roads.

No topographic positions of any value were established.

Respectfully submitted

J. A. McCormick.
Jr. H. & G. Eng.

Approved and forwarded

Ray L. Schoppe

Ray L. Schoppe
Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NOV 2 2 25 PM '26

NOV 2 2 24 PM '26 TOPOGRAPHIC TITLE SHEET

REG. NO. 4201

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. "2"

REGISTER NO. 4201

State Florida

General locality Tampa Bay

Locality East Shore of Hillsboro Bay

Scale 1-20,000-1-10,000 Date of survey March-April, 1926

Vessel BACHE

Chief of Party R. L. Schoppa

Surveyed by J. A. McCormick

Inked by J. A. McCormick

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated June 3, 1924 - Dec. 3, 1925

Remarks: _____