

4568



Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
S. Lester Jones., Director

C. & G. SURVEY
L. & C.
NOV 26 1926

State: Florida

DESCRIPTIVE REPORT

~~Topographic~~ } Sheet No. C. G.
Hydrographic } 4568

LOCALITY

Tampa Bay

Alafia and Little Manatee Rivers

192 6

CHIEF OF PARTY

Ray I. Schoppa

GOVERNMENT PRINTING OFFICE

4568

DESCRIPTIVE REPORT

to accompany

SHEET #4568

FIELD SHEET "CC"

ALAFIA AND LITTLE MANATEE RIVERS

TAMPA BAY FLORIDA

STEAMER BACHE

1926

The date of instructions authorizing this work is June 3, 1924 and supplemental instructions to the Steamer BACHE, December 3, 1925.

The only soundings on this sheet are in the two rivers named above. A scale of 1-20,000 failed to show enough detail, and for that reason this sub-sheet was made.

The Alafia River joins sheet "C". A draft of 5 feet can be carried over the bar at the entrance. A fleet of sand barges operates in the river but they are often hung up on the bars and shoal spots, and in Winter, they are frequently imprisoned in the river for days at a time waiting for water enough to get over the bar. The prevailing Northeast winds at that season keep the water low in Hillsboro and Tampa Bays. Any boat that can enter the river, can run as far as the bridge at the East end of the survey. The channel is not marked and the local pilots have trouble in keeping in the deep water.

The Little Manatee River is very little used. It joins work on sheet "D", done by this party. A few shallow draft pleasure craft run as far as the bridge at the Northeast end of this sheet. None go above this place. Four feet can be carried across the bar at the entrance and this draft can be carried to the bridge. The channel is not marked but is easily followed after traversing it once.

The work in both of these rivers was done from a specially constructed skiff, built on board, and powered by an Elto outboard motor. This boat was an entire success for an area of this kind.

The field work was done by Lieutenant C. A. Egner. A table of statistics is attached herewith.

Respectfully submitted,

Ray L. Scheppe

Approved and forwarded,

Ray L. Scheppe

Ray L. Scheppe, Chief of Party.



Date, 1926	Letter	Volume	Positions	Soundings	Miles Statute	Vessel
May 26		1	104	712	19.1	Skiff
TOTAL						

(Manatee River)

Date, 1926	Letter	Volume	Positions	Soundings	Miles Statute	Vessel
May 27		1	97	622	16.0	Skiff
TOTAL						

Hydrographic Sheet No. 4568.

Tampa Bay - "Florida"

This sheet covers surveys in "Alafia" and "Little Manatee" Rivers. The work appears to develop the hydrographic conditions in a satisfactory manner and additional work is not necessary.

Field work in prospecting and plotting satisfactory.

John D. Torrey.
12/22/26.

2.12

IN REPLY ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO No. 11-DEM

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON January 18, 1927.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4568

Little Manatee and Alafia Rivers, Tampa Bay, Florida

Surveyed in 1926

Instructions dated June 3, 1924 (Hydrographer)

Chief of Party, R. L. Schoppe.

Surveyed by C. A. Egner.

Protracted and soundings plotted by F. G. Johnson.

Verified and inked by J. D. Torrey.

1. The records conform to the requirements of the General Instructions except that in the entire work consisting of 1334 soundings not a single bottom characteristic was noted. //
2. The plan and character of development satisfy the requirements of the General Instructions except that in Alafia River the diagonal system of lines should have preceded the longitudinal line so as to first determine where the channel is located. Then a channel line should have been run. With the method adopted, it is impossible to completely draw the 6-foot curve and it is not known where the deepest portion of the river lies. ✓
3. The plan and extent of the survey satisfy the specific instructions except that the northern entrance to Alafia River between Ⓞ By and Ⓞ Go should have been developed. Also in Little Manatee River soundings should have been taken in the northern part of the river and in the northern passage leading into Marsh Branch. Even though this river has no commercial importance, the additional soundings would have entailed little expense and would have been of value as general cartographic information.

The area between Ⓞ Start and Ⓞ Cape should have been sounded to determine what depths exist here. *H 4563 shows school water outside and no channel probably exists*

4. The information in Alafia River was insufficient for completely drawing the 6-foot curve.

5. The sounding line crossings are satisfactory. ✓
 6. The usual field plotting was done by the field party and was satisfactorily executed. ✓
 7. The junction with H. 4567 at Alafia River will be taken up when that sheet is reviewed. ✓
- ✓ The junction of Little Manatee River with H. 4563 is not satisfactory. Where the two sheets overlap the soundings are in agreement, but the entire area at the entrance to the river between the two sheets should have been sounded to be certain that no other channels exist and also to make the new chart complete in this vicinity without resorting to old information to supply gaps. *
8. Additional work is necessary as mentioned above in paragraphs 2, 3 and 7. ✓
 9. Character and scope of surveying - good. ✓
Field drafting - excellent.
 10. Reviewed by A. L. Shalowitz, December, 1926.

Approved:

A. L. Giacomin

Chief, Section of Field Records (Charts)

While it is desirable that the limits of channels and edges of flats be determined, there is no sufficient commerce

in this region to warrant extensive work -

** Work was not extended as suggested here for the reason that flats were known to exist over the area, and the channel sounded is staked and the only one in use by sand barges. The river has little commercial importance. The edge of the flats however might have been located.*

L. O. Pollock

Copy for Field Records
(11)

E.A.L.

December 4, 1926.

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
volumes of sounding records for

HYDROGRAPHIC SHEET NO. 4568

Locality: Alafia and Manatee Rivers, Tampa Bay, Florida.

Chief of Party: R. L. Scheppe in 1926.

Plane of reference is mean low water reading
4.3 ft. on tide staff at Seddon Island, Tampa Bay, Florida.

For reduction of soundings, condition of records satisfactory
except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A. M. or P. M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

E. H. H. H.

Chief, Division of Tides and Currents.



POST-OFFICE ADDRESS: COAST AND GEODETIC SURVEY STEAMER BACHE, PENSACOLA, FLA.

TELEGRAPH ADDRESS:

EXPRESS OFFICE:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
STEAMER BACHE

MAR 12 9 00 AM 27

Pensacola, Fla.
March 9, 1927

To: The Director,
U. S. C. & G. Survey,
Washington, D. C.

From: Commanding Officer,
Steamer BACHE.

Subject: Hydrographic sheet No. 4568.

Reference: Directors letter February 21, 1927, File 10-McC.

The criticism of work done in the Alafia River is noted. The lack of information was noted when the work was done and it was called to the attention of the hydrographer, Mr Egner. He stated that he was unable to obtain more information in the area unless more detailed scale of work were laid out.

No floating craft uses the Alafia River except sand barges these barges can only operate at high water. In winter when the prevailing winds are North East the water level of Hillsboro Bay is low and the barges are often held aground in the river for days at a time. The channel shifts frequently and no attempt is made to work it. This adds to the frequency with which the barges go aground. At times when stuck on a bar the barges sluice off thier loads, which is a cause for additional lumps at unexpected places.

This river can not be developed properly on a scale smaller than 1/5000 and it is not worth commercially, what such detail would cost. The above information is noted in the Descriptive Report.

Ray L. Schoppe

Ray L. Schoppe

10-46C

1140

Handwritten initials and scribbles

Return to [redacted] D.S. for filing

February 21, 1927.

To: Commanding Officer,
under U. S. C. & G. S. S. BACHE,
Pensacola, Florida.

From: The Director,
U. S. Coast and Geodetic Survey.

Subject: Hydrography in Alafia Bay.

There is forwarded under separate cover photostat of a section of hydrographic sheet 4568 surveyed by your party. This sheet has just been reviewed by this office and the following criticism is furnished for your information and that of the hydrographer making the actual surveys. The

The system of sounding lines are such that it is impossible to chart either the limits of the channel or the flats in certain sections. A system of diagonal lines is not objectionable, provided they are run first for the purpose of furnishing information on the general position of the channel and flats and such a system is followed by lines run parallel with the general axis of the channel to thoroughly develop the depths in the channel and show its limits.

(Signed) E. Lester Jones

Director.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4568

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. "C C" 4568

REGISTER NO.

State Florida

General locality Tampa, Bay

Locality Alafia and Little Manatee Rivers

Scale 1/10,000 Date of survey May-June 1926

Vessel BACHE

Chief of Party Ray L. Scheppe

Surveyed by G. A. Egner

Protracted by F. G. Johnson

Soundings penciled by F. G. Johnson

Soundings in ~~FATHOMS~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by

Inked by J. D. Torrey

Verified by J. D. Torrey

Instructions dated June 3, 1924 Dec. 3, 1925

Remarks: