

4569

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Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

E. Lester Jones, Director

C. & G. SURVEY

L. & A.

NOV 26 1926

State: Florida

DESCRIPTIVE REPORT

~~Topographic~~

Hydrographic

Sheet No.

"E"

4569

LOCALITY

Tampa Bay

~~Gulf Coast~~

Entrance to Boca Ciega Bay

~~Pass a Grille and South Part of~~

and Pass a Grille

~~near Boca Bay~~

1926

CHIEF OF PARTY

Ray L. Schoppe

GOVERNMENT PRINTING OFFICE

DESCRIPTIVE REPORT

to accompany

HYDROGRAPHIC SHEET #

FIELD SHEET "E"

BOCA CIEGA BAY, FLA.

STEAMER BACHE

1926

DESCRIPTIVE REPORT

to accompany

HYDROGRAPHIC SHEET #

FIELD SHEET "E"

BOCA CIEGA BAY, FLA.

STEAMER BACHE

1926

This sheet is surveyed under instructions to the Steamer HYDROGRAPHER, dated June 3, 1924, and supplemental instructions issued to the Steamer BACHE December 3, 1925.

This sheet covers the South end of Boca Ciega Bay from Maximo Point to Hospital Key. It includes Pas-a-grille and extends North as far as the Don Cesar Hotel in Lat.  $27^{\circ} 42' 5''$ . The inshore work on the Gulf Shore of Long Key is also covered by this sheet. On the East, it joins sheet "B" and on the North it joins Sheet "F" of this party. On the South and West it joins work done by the HYDROGRAPHER.

The area covered is shallow throughout. Much of it is covered with a growth of heavy eel grass. A few sloughs can be traced across it and numerous unimportant and uninteresting mangrove Keys are scattered over it. Long Key is the only one of importance. The town of Pas-a-Grille is situated at its Southern end. This town is a flourishing beach resort for St. Petersburg, and occasionally an excursion steamer runs there from Tampa.

Currents in Pas-a-Grille are strong. They set fair with the channel and are estimated at 2 - 3 knots. North and East of Pine Key the current spreads in all directions. The current is not felt much across the flats, but continues strong in the channels.

The Don Cesar Hotel is the most prominent landmark in this locality. It dominates the whole landscape, (See Topo sheet for location of the main tower), and should be shown on all charts. At the tower of Pas-a-Grille, signal Triangulation Station "Tail" is the taller of two water tanks.

There are few navigable channels on this sheet. South of Bird Key the natural channel from Tampa Bay follows a winding course

staked out by pile beacons. Through it, 7 Ft. can be carried to the dock at Pas-a-Grille tower. Pas-a-Grille channel furnishes the only other entrance to the South end of Boca Ciega Bay. The North branch has 5 feet of water, is staked out by pile beacons and is easy of access. The South branch is reported slightly deeper, but it is crooked and not ~~marked~~. Dredging is in progress Southeast of Triangulation Station Dan, and it is not known what will be the final lay-out of channels, bulkheads, etc. The deep water shown along the South edge of this sheet, ( 1 mile North of Triangulation Station Amy ) is not used because of shoal approaches on either end. There are no anchorages on this sheet.

Pas-a-Grille channel is so exposed to the Gulf that changes of depth and location to the channel occur at every severe storm.

Other parts of the sheet check the previous survey remarkably closely. The chart shows all dangers.

Due to the large percentage of shoal water it was necessary to use boats of the least possible draft. Launch #1, a motor dinghy, was found to be very dependable and in addition, it was light enough so that it could be shoved off from shoal spots by the boat's crew. A large flat bottomed skiff was constructed on board and in it was mounted an Elio outboard motor. This outfit drew only about one foot of water but it was not serviceable in areas covered by thick grass. The grass interfered with the cooling system of the motor. Aside from that trouble it worked nicely. This same outfit was used with marked success by the topographic parties. No other unusual methods were used.

The field work of this sheet was done by R. C. Overton, Mate.

A table of statistics is attached.

Respectfully submitted,



Approved and forwarded.



Ray L. Schnoppe, Chief of Party.

## STATISTICS SHEET NO.

(Field letter "E")

Date, 1926	Letter	Volume	Positions	Soundings	Miles Statute	Vessel
May 28	a	1	58	346	11.5	Lch. #1
June 1	b	1	144	838	24.4	" "
" 2	c	1	53	285	7.4	" "
" 3	d	2	97	554	18.5	" "
" 4	e	2	155	911	23.0	" "
" 4	e	2	19	124	3.4	" "
" 8	f	3	103	614	15.4	" "
" 10	g	3	73	419	12.0	" "
" 10	g	4	65	417	10.4	" "
" 16	h	5	26	143	4.0	" "
" 18	j	5	111	578	14.5	" "
July 13	k	5	7	39	1.3	" "
" 14	L	5	108	667	14.0	" "
			35	81	4.8	" 2
TOTAL			1059	6016	164.6	

## STATISTICS SHEET NO.

(Field letter "E")

Date, 1926	Letter	Volume	Positions	Soundings	Miles Statute	Vessel
June 9	a	1	96	404	19.4	Lch. # 2
" 15	b	1	131	508	27.0	" "
<i>July</i> " 16	c	1	135	473	20.4	" "
" 16	e	2	11	41	2.3	" "
August 3	d	2	28	96	5.0	" "
TOTAL			401	1522	74.1	

## STATISTICS SHEET NO.

(Field letter "E")

Date, 1926	Letter	Volume	Positions	Soundings	Miles Statute	Vessel
June 8	a	1	19	127	2.7	SRiff
" 18	b	1	116	687	14.0	"
TOTAL			135	814	16.7	

December 14, 1926.

(11)

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in  
8 volumes of sounding records for

HYDROGRAPHIC SHEET NO. 4569 (*First letter "E"*)

Locality: Florida West Coast

Chief of Party: R. L. Schoppe

Plane of reference is MLW  
2.9 ft. on tide staff at Egmont Key

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. *Launch #2*  
"Red C" day is stamped in sounding volumes as July 16. Descriptive Report refers to it as June 16. The reducers entered and checked in the field are those of June 16 and are correct. Should the day prove to be July 16, reducers must be changed.

*G. H. Rude*  
Chief, Division of Tides and Currents.

*July 16 is the correct date. See letter from  
R. L. Schoppe dated Dec. 21, '26*

*E. V. E.*

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

Mobile, Ala.  
December 21, 1926

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

From: Ray L. Scheppe, Commanding  
Steamer BACHE.

Subject: Field sheet No. H-4569.

Referring to this sheet I beg to advise you that the log book shows "Red C" day to be July 16. It will therefore be necessary to change the reducers and also change the date in the descriptive report. On June 16, work on the same sheet was done as "Blue H" day.

*Ray L. Scheppe*

Ray L. Scheppe.



Hydrographic Sheet #4569

Boca Ciega Bay <sup>and</sup> Pass a Grille.

While the area covered by this survey is well and closely sounded a few open places appear which should have been covered; all dangers appear to be well developed and crossings agree closely except in a few cases.

Field protracting showed inexperience, carelessness or defective protractor as numerous unaccountable errors developed.

Field plotting nearly accurate

Records quite satisfactory.

Unless changes have taken place since date of this survey additional work not required.

John D. Torrey.  
6/2/27

Sheet too large  
Paper poor

DEPARTMENT OF COMMERCE  
OFFICE OF THE DIRECTOR U. S. COAST AND GEODETIC SURVEY  
WASHINGTON

June 10, 1927

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4569

Entrance to Boca Ciega Bay and Pass-a-Grille

Surveyed in 1926

Instructions dated December 3, 1925 (BACHE)

Chief of Party, Ray L. Shoppe.

Surveyed by R. C. Overton.

Protracted and soundings plotted by J. A. McCormick.

Verified and inked by J. D. Torrey.

1. The records conform to the requirements of the General Instructions.
2. The plan <sup>and</sup> character of the development fulfill the requirements of the General Instructions.
3. The plan and extent of development satisfy the specific instructions.
4. The sounding line crossings are in general adequate.
5. The usual depth curves can be drawn except in the area southwest of Ⓞ Bar, where one or two more lines should have been run.
6. The field protracting showed inexperience or carelessness as numerous errors were noted. The plotting of soundings was well done.
7. The junctions with sheets 4570, 4573 and 4584 are good. The junction with 4565 is poor in places.
8. Another line or two of soundings should be run west of Ⓞ Bar to determine the limits of deep water.
9. It may be noted that the sheet is too large to handle conveniently and the quality of paper is poor. Erasures can not be made without destroying the surface.

10. Character and scope of surveying - very good.  
Field drafting - good.

*Reviewed by John A. Bond*

Approved:

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Chief, Field Records Section (Charts).

*L. O. S. Galt*

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Chief, Section of Field Work (H. & T. ).

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4569

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. A 4569

REGISTER NO.

State Florida  
General locality Tampa Bay Gulf Coast Florida  
Locality Entrance of Boca Ciega Bay and Pass a Grille  
Scale 1:10,000 Date of survey June July, 1926  
Vessel Str. BACHA  
Chief of Party Ray L. Scheppe  
Surveyed by R. C. Overton  
Protracted by J. A. McCormick  
Soundings penciled by J. A. McCormick  
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 December 3, 1926  
Remarks: