

5496

U. S. COAST & GEODETIC SURVEY
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Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Louisiana

DESCRIPTIVE REPORT

Topographic } Sheet No. 7 5496
Hydrographic }

LOCALITY

Mississippi Delta

Grand Bayou
~~Bastin~~ Pass to Mississippi River

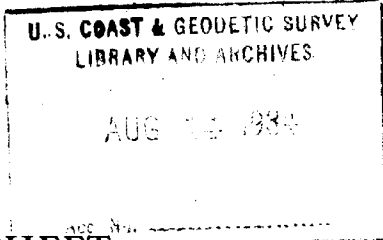
193 4

CHIEF OF PARTY

Thos. B. Reed

5496

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



REG. NO. 5496

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. 7

REGISTER NO. 5496

State Louisiana

General locality Mississippi Delta

Locality Grand Bayou Bastian Pass to Mississippi River

Scale 1:20,000 Date of survey April, May, 1934

Vessel Field Party No. 4

Chief of Party Thos. B. Reed

Surveyed by J. C. Tribble, J. F. McIlwain

Protracted by H. L. Proffitt

Soundings penciled by H. L. Proffitt

Soundings in fathoms feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by

Inked by C. S. Lightbown

Verified by " " "

Instructions dated October 27, November 22, 1933

Remarks:

DESCRIPTIVE REPORT
to accompany

Hydrographic Sheet No. 7, Bastian and Adams Bays and Vicinity.

Barataria Bay, Louisiana Field Party No. 4.

Thos. B. Reed, Chief of Party

DATE OF INSTRUCTIONS: October 27, 1933; November 22, 1933;
Letter April 30, 1934, No. 20 AHH 1990 (4)

DATE OF SURVEY: April 28 to May 16, 1934.

SURVEY METHODS:

This survey was made by the usual launch hydrographic methods, using chartered launches. A pole, marked to feet was used for the shoaler soundings and a standard leadline for the deeper.

This survey was made before the photo-topo sheets of this area were compiled, which, with the exception of the eastern part that was included in the Miss. Delta survey, necessitated the hydrographic party's working on a blank boat sheet and sketching in the shore line as the hydrography progressed.

DISCREPANCIES:

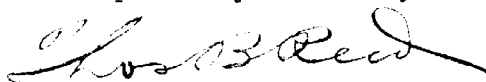
All changes of objects or angles by the smooth plotter, and notes regarding the plotting are noted in the sounding records. A few of the positions had to be shifted slightly in smooth plotting, to agree with the photo-topo shore line. These were usually fixes taken on comparatively distant signals or on weak fixes. The enlargements of the photo-topo sheets from which the shore line was obtained for the smooth sheet were made locally and were considerably out of scale and the transfer to the smooth sheet could not be made as accurately as was desired. No changes of any importance were noted in the inside waters of this region in the two years since the photographs were taken.

The line of soundings in Bay Jaquin, positions 135e to 138e was run close alongside a row of small stakes marking the channel. Continued use of this channel, close alongside the row of stakes by fishing boats, has dredged out a narrow 3 to 4 foot channel in the soft mud bottom. This channel is only about 10 feet wide. The line from positions 23b to 25b was also run alongside a row of stakes.

GENERAL DESCRIPTION OF AREA:

The area covered by this sheet is low, and all land areas are marsh. The bottom is practically all soft mud, which extends to a depth of over 16 feet. Except for the region along the Mississippi River, the region is very sparsely populated. Water areas are navigated by shallow draft oyster, and fishing boats and in the winter season by muskrat trappers in small launches.

Respectfully submitted,



Thos. B. Reed,
Lieut. C. & G. Survey,
Chief of Field Party No. 4.

TIDAL AREAS
for
HYDROGRAPHIC SHEET NO. 7

YEAR 1934 DATE	DAY & VOL. NO.	NUMBER OF POSITIONS	TIME	TIDE STAFF OR GAGE	GRAPH NUMBER
April 28	a - 1	1 - 64	15:14:00 to 17:43:00	Bastian Bay	36
May 5	b - 1	1 - 39	10:16:00 to 14:51:00	Bastian Bay plus 1 hour	36
		40 - 59	14:58:40 to 15:33:40	Bastian Bay plus 2 hours	
		60 - 69	15:34:00 to 15:52:40	Bastian Bay plus 3 hours	
		70 - 80	15:53:00 to 16:15:00	Bastian Bay plus 4 hours	
May 6	c - 1	1 - 86	9:00:00 to 13:29:40	Bastian Bay plus 4 hours	36
	a - 5	1 - 71	8:57:40 to 13:03:20	Doullut Canal, South	36
May 7	d - 1 & 2	1 - 200	8:38:20 to 16:49:20	Bastian Bay	37
	b - 5	1 - 22	7:58:00 to 8:47:40	Doullut Canal, South	37
		23 - 27	8:48:00 to 9:00:20	Bastian Bay	37
		28 - 67	11:51:40 to 14:52:40	Doullut Canal, South	37
May 8	e - 2	1 - 3	8:38:40 to 8:41:20	Bastian Bay plus 4 hours	37
		4 - 144	9:17:40 to 16:55:20	Bastian Bay plus 2 hours	37
		145 - 151	16:59:00 to 18:02:40	Bastian Bay plus 4 hours	37
	c - 5	1 - 7	8:15:40 to 8:36:20	Doullut Canal, South	37
		8 - 67	8:36:40 to 10:45:00	Bay Naught	37

TIDAL AREAS
for
HYDROGRAPHIC SHEET NO.7 (Cont.)

YEAR 1934 DATE	DAY & VOL. NO.	NUMBER OF POSITIONS	TIME	TIDE STAFF OR GAGE	GRAPH NUMBER
May 8 (cont)	c - 5	68 - 142	10:45:20 to 16:05:40	Bay Nought plus 1 hour	37
May 13	f - 2 & 3	1 - 24	9:14:40 to 10:04:40	Bastian Bay plus 2 hours	37
		25 - 74	13:44:00 to 15:20:20	Bastian Bay plus 1 hour	37
		75 - 86	16:36:00 to 17:07:40	Doullut Canal, South	
May 14	g - 3	1 - 21	8:30:00 to 9:04:30	Bastian Bay plus 1 hour	37
		22 - 84	9:38:00 to 11:25:20	Bastian Bay plus 2 hours	
		85 - 115	14:36:40 to 15:45:00	Bastian Bay	
		116 - 161	15:45:20 to 18:25:00	Bastian Bay plus 1 hour	
May 15	h - 3	1 - 72	12:26:20 to 16:56:40	Bastian Bay plus 1 hour	38
May 16	j - 3 & 4	1 - 30	9:56:00 to 10:53:40	Bastian Bay plus 3 hours	38
		31 - 60	10:54:00 to 10:36:40	Bastian Bay plus 2 hours	
		61 - 76	11:37:00 to 11:58:40	Bastian Bay plus 1 hour	
	d - 6	1 - 10	10:34:10 to 10:50:40	Bay Batiste plus 1 hour	

STATISTICS FOR
HYDROGRAPHIC SHEET NO. 7.

YEAR 1934	DATE	----- DAY LETTER	---VOL. NO.	---STAT. MI. SOUNDING LINES	---NO. SOUNDINGS	---NO. POSITIONS
Apr.	28	a	1	10.0	362	64
May	5	b	1	15.0	509	80
May	6	c	1	11.0	521	86
May	7	d	1 & 2	35.0	1133	200
May	8	e	2	26.5	917	151
May	13	f	2 & 3	11.3	442	86
May	14	g	3	22.5	778	160
May	15	h	3	14.0	445	72
May	16	j	3 & 4	8.6	264	76
May	6	a	5	17.0	485	71
May	7	b	5	14.7	439	67
May	8	c	5	22.8	763	142
May	16	d	6	1.6	48	10
TOTALS				210.0	7106	1265

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. 5496..

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	.1265..
Number of positions checked	...78.
Number of positions revised1..
Number of soundings recorded	..7106
Number of soundings revised	...28.
Number of signals erroneously plotted or transferred0..

Date: ^{December} ~~January~~ 18 - 1934

Cartographer: C^o STANLEY^o LIGHTBOWN^o

Verification of pretrasting

Verification & inking of rocks and shoals

by C.S. Lightbown

Time: 4 1/2 h

Verification of inking by

Time:

Review by

John S. Loo

Time: 1 1/2 h

Sept. 8, 1934.

Division of Hydrography and Topography:

✓ Division of Charts:

Tide Reducers are approved in
6 volumes of sounding records for

HYDROGRAPHIC SHEET 5496

Locality **Bastian Pass to Mississippi River, La.**

Chief of Party: **Thos. B. Reed in 1934.**

Plane of reference is **mean low water reading**

2.2 ft. on tide staff at Bay Naught

1.4 ft. below B. M. 1

1.9 ft. on tide staff at Doullut Canal

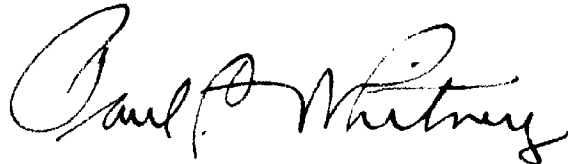
4.7 ft. below B. M. 1

2.1 ft. on tide staff at Bastian Pass

5.5 ft. below B. M. 1

**Height of mean high water above plane of reference is
approximately 1.0 ft.**

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents

To: Mr. Bacon
 From L. S. S.

GEOGRAPHIC NAMES
 LOUISIANA

Survey No. H 5496

Date. Oct 23, 1934

Chart No. 196 & 1116, 1272

Names underlined in red approved Oct 29, 1934

Diagram No. 1116

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

*Local names accepted
 as reported unless
 otherwise stated*

⊘ Not Approved by the Division of Geographic Names, Department of Interior.

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

H.B.

Status	Name on Survey	Name on Chart or Other Maps	New Names in local use	Names assigned by Field	Location
✓	Bastian Bayou changed to <u>Bayou Huertcs</u>	Same USGS KTH " 1116	----	----	29°20.0' 89°42.0'
✓	<u>Bastian Bay</u>	Same USGS " 1116	----	----	
✓	<u>Bayou Long</u>	Same	----	----	29°21.0' 89°35.7'
✓	<u>Bayou Fontanelle</u>	Same USGS " 1116	----	----	29°18.4' 89°36.0'
⊘	<u>Pomme d'Or</u> *	Pomme d'or 1116 Pompapout. USGS	Same	Same ✓	29°19.5' 89°33.3'
✓	<u>Bay Pomme D'or</u> French Pomme D'or = Apple of Gold.				
✓	<u>English Bay</u>	----- USGS	"	"	29°18.4' 89°34.3'
✓	<u>Bay Jacquin</u>	----- USGS	"	"	29°17.5' 89°33.2'
✓	R <u>Cyprien Bay</u> Probably from Fr. Cypres = Cypress or Cypress trees Cypriere = Grove of Cypress	Cypress, USGS -----	"	" ✓	29°18.0' 89°32.7'
✓	<u>Scofield Bay</u>	----- Same USGS " 1116	"	"	29°16.2' 89°33.3'
✓	<u>Bayou Scofield</u>	----- Same - USGS	"	"	29°33.0' 89°15.4'
✓	<u>English Bayou</u>	Same USGS	---	---	29°16.8' 89°35.0'
	<u>Bastian Pass</u>	USGS T-1648 Note - was placed erroneously on sheet H-5496 corrected 5/23/32			
	<u>Grand Bayou Pass</u>	H.R. Doc. 166 - 75th Cong. 3rd Session HRE 5/23/32			

To: Mr. Bacon
From L. S. S.

GEOGRAPHIC NAMES
LOUISIANA

Survey No. H5496

Date. Oct. 22, 1934

Chart No. 196 & 1116, 1272

Names underlined in red approved Oct 29, 1934

Diagram No. 1116

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

Ø Not Approved by the Division of Geographic Names, Department of Interior.

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

Local names accepted as reported unless otherwise stated

Status	Name on Survey	Name on Chart or other Maps etc.	New Names in local use	Names assigned by Field	Location
✓	<u>Freeport Canal</u>	-----	Same	Same	29°27.8' 89°42.0'
✓	<u>Bay de la Cheniere</u>	Same USGS Bay Cheniere 1116	---	---	29°25.7' 89°40.4'
✓	<u>Bay Chicot</u> Fr. for stump or stub.	same	---	---	29°24.8' 89°39.9'
✓	<u>Grand Bayou</u>	Same Not in same place on USGS.	---	---	29°40.5' 89°24.0'
✓	<u>Meyers Canal</u>	Same	---	---	29°22.5' 89°39.0'
✓	<u>Doullut Canal</u>	Same	---	---	29°23.2' 89°36.0'
✓	<u>Adams Bay</u>	Same USGS	---	---	
✓	<u>Bay au Fer</u> Bay au Fer changed to agree with T 5432	Same KTA	---	---	29°22.0' 89°40.5'
✓	<u>Halfmoon Bay</u>	Same	---	---	29°21.5' 89°37.9'
✓	<u>Bayou Cook</u>	Same USGS	---	---	29°20.1' 89°38.2'
✓	<u>Bayou Ferrand</u> <u>Bayou Feron</u>	Same			29°19.5' 89°37.5'
✓	<u>Shell Island Bay</u>	Same USGS			29°17' 89°38'

Report on H5496 - Dec. 18-1934.

Chief of party Thos. B. Reed
Surveyed April - May - 1934
Surveyed by J.C. Tribble - J.F. McIlwain
Protracted by H.L. Proffitt
Soundings plotted by H.L. Proffitt.
Verified & inked by C. Stanley Lightbourn

1. The records conform to the requirements of the General Instructions ✓
2. The usual depth curves were completely drawn. ✓
3. The field plotting was completed to the extent prescribed in the Hydrographic Manual except that the wrong day letter was put on smooth sheet for positions 75-81, inclusive for "f" day ✓
4. The office draftsman did over ~~part of~~ ^{some} of the field draftsman work, namely, ✓
Shore lines - see descriptive report
Three islands were omitted.
5. Junctions with 5493 (1934) and 5497 (1934) ✓
was satisfactory.
The junction with 5495 was not made as it had not been verified.
6. Positions 24-36 c day and soundings from 36-37 c day were rejected, since they plotted ✓
on shore (Lat 29° 19' to 20' Long 89° 40'-41').

The rows of stakes 135-138c in Bay Jaquin were not shown since they could not be accurately located from information given. This also applied to 236-256 in northern part of Bastian Bay; these have been outlined on Hydrographic sheet for reviewers inspection & disposition, also see 63d blue day in ref to stakes.

area marked line of stakes

* The shoal shown at the entrance to Bayou Scofield was sketched in by verifier since the records gave accurate locations at three points only, these points are shown by worms, this bar was transferred to H 5497 as recommended.

The sand bars shown at Bastian Pass are partly taken in part from sounding records and boat sheet, the records definitely locating only a part of bars as shown.

~~Small shoals in Bayou Bastian Bay were not added since boat sheet~~

Oyster beds shown were taken from boat sheet.

7 All required reports and records were received ✓ except the following.

1 Special Charts for Lighthouse service ^{no floating aids in area}

~~2 Books for charts - 1934~~

3 Recoverable stations ✓

4 Field Examinations ✓

For Landmarks for charts see letter # 560 - 1934.

Respectfully submitted.

* Delineation of bar shown at mouth sheet in yellow

since records do not state whether bar is ever low at any time or always covered
injection is that it is upper bar at low tide.

C. STANLEY LIGHTBOWN

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5496 (1934)

Bastian Pass to Mississippi River, Mississippi Delta, Louisiana
Instructions dated October 27, 1933 (T. B. Reed)
Surveyed in 1934

Hand Lead and Pole Soundings - Three Point Fixes on Shore Signals

Chief of Party - Thos. B. Reed.
Surveyed by - J. C. Tribble, J. F. McIlwain.
Protracted and Soundings Plotted by - H. L. Proffitt.
Verified and Inked by - C. S. Lightbown.

1. Condition of Records.

The records conform to the requirements of the Hydrographic Manual, with the following exception:

- a. All the shore line from the contemporary Topographic Sheet had not been transferred to the smooth sheet. This has been done in the office.

2. Compliance with Instructions.

The survey satisfies the instructions for the project. There are several cross bayous on this sheet that were not surveyed. It is assumed these are of little commercial importance.

3. Sounding Line Crossings.

No regular system of cross lines were run. However, those that result from the work as well as a comparison of the adjacent parallel lines, show good agreement.

4. Depth Curves.

The usual depth curves may be satisfactorily drawn.

5. Junctions with Contemporary Surveys.

Satisfactory junctions are made with H-5493 (1934) on the south at Bastian Pass, and with H-5497 (1934) on the south of the entrance to Bayou Scofield. The junction with H-5495 (1934) on the west will be considered in the review of that sheet. Since this survey extends to the eastern limits of the project there is no junction on that side.

6. Comparison with Prior Surveys.

- a. H-1546 (1883).

This survey covers the area of the new survey in Bastian Bay and the lower portion of Grand Bayou. The agreement in Bastian Bay is satisfactory but the agreement in the Grand Bayou and Bastian Pass is poor. Since these two areas, especially the latter,

are changeable ones, a detailed comparison between the two surveys would serve no useful navigational purpose and is therefore omitted.

b. H-1766 (1886) and H-1765 (1886).

These two surveys overlap the new survey at the offshore entrance to Bastian Pass and Bayou Scofield, respectively. The agreements are satisfactory.

7. Comparison with Chart 196.

Within the area of the present survey the chart is based on surveys discussed in the foregoing paragraphs and contains no additional information that needs consideration in this review.

8. Field Plotting.

The field plotting was satisfactory.

9. Additional Field Work Recommended.

No additional field work is recommended.

10. Superseding Old Surveys.

Within the area covered, the present survey supersedes the following surveys for charting purposes:

H-1546 (1883)	In part.
H-1765 (1886)	" "
H-1766 (1886)	" "

11. Reviewed by - John G. Ladd, December, 1934.

Inspected by - A. L. Shalowitz.

Examined and approved:

C. K. Green, *C. K. Green*
Chief, Section of Field Records.

H. Borden
Chief, Section of Field Work

L. O. Golbat
Chief, Division of Charts.

G. H. de
Chief, Division of H. & T.

applied to ch 1273 - Nov 1935 - J. V. Gamble