

5541

5541

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

DESCRIPTIVE REPORT

~~Topographic~~ } Sheet No. 4 5541
Hydrographic }

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

OCT 26 1934

Acc. No. _____

State Louisiana

LOCALITY

Gulf of Mexico

Lake Barre and Vicinity.

193 4

CHIEF OF PARTY

Thos. B. Reed

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5541

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. 4

REGISTER NO. **5541**

State Louisiana

General locality Gulf of Mexico

Locality Lake Barre and vicinity.

Scale 1:20,000 Date of survey Aug. 23 to Sept. 1, 1934

Vessel Field Party No. 4.

Chief of Party Thos. B. Read

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

Protracted by J. C. Tribble

Soundings penciled by T. F. Donlon

Soundings in ~~xxxxxx~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by _____

Inked by H. L. Flemer

Verified by H. L. Flemer

Instructions dated October 27; November 22, 19 33

Remarks: _____

Prominent landmarks in this area are lights (see chart with it. 424-1934) H.M.

DESCRIPTIVE REPORT
to accompany

Hydrographic Sheet No. 4, Lake Barre and Vicinity.

Terrebonne 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. 20AHH 1990 (4)

DATE OF SURVEY: August 23, 1934 to September 1, 1934.

SURVEY METHODS:

This survey was made by the usual launch hydrographic methods, using a pole marked to feet for the shoaler soundings and a standard lead line for the deeper. ✓

In general, positions were fixed by standard methods. However in a number of cases, positions were obtained by one angle and reference to the air-photo shore line or by reference to the shore line with no angles. All positions on the boat sheet were plotted relative to the air-photo shore line, when in bayous and when close to shore. Positions on the smooth sheet were shifted a few meters when necessary, to correspond to the boat sheet plotting and make them correct relative to the air-photo shore line. ✓

DISCREPANCIES:

400 meters S.E. of signal CAT (Lat. 29°-18.2', Long. 90°-30.3') the long point of land shown on the air-photo sheet has been washed away and was removed from the smooth sheet. ✓

In Lat. 29°-16.5', Long. 90°-38.1 there is a small marsh island which was not shown on the air photo sheet. This was sketched in by the hydrographer. The Sevin Canal was located by sextant fixes as it was not shown on the copy of the air-photo sheet from which the shore line was obtained. The position of the Sevin Canal should be checked with the air-photos. Position agrees with Air Photo compilation. H.M. ✓

Position 137g to end of day could not be plotted as no fix was available and the air photo sheet showed no connecting bayou. This bayou connects with a small canal extending into Bayou Little Cailleu and is used considerably by small boats as a cut off. It is requested that this small canal and the connecting bayou be transferred from the air photographs in the office, and the remainder of the sounding line plotted. *transferred to office and plotted H.M.*

S.W. of position 20h (Lat. 29°-16.9', Long. 90°-36.8') there is a small marsh island not shown on the air-photo sheet. This was sketched on the boat sheet by the hydrographer. ✓

East of position 27d (Lat. 29°-17.5', Long. 90°-36.5') the point extends about 200 meters further west than shown on the air-photo sheet. This point was sketched by the hydrographer. ✓

The wide pass between two islands (Lat. 29°-17.4', Long. 90°36.2') does not exist and the present shore line at the entrances was sketched by the hydrographer. ✓

Items so marked have been corrected on smooth sheet and referred to Air Photo Section. H.M.

* see previous page.

(2)

Lat. 29°-16.7', Long. 90°-31.6; this point is connected *✓
to the island with no passage through.

It is requested that all of the above discrepancies be *
checked with the air photographs in the office as no photographs are
available here.

GENERAL DESCRIPTION OF AREA:

The area covered by this sheet is low and all land areas
are marsh. There are scattered trees along some of the bayous. Except
for the section along the highway down Bayou Little Caillou the area is
sparsely populated. There is a considerable amount of navigation through
the various lakes and bayous by local fishermen and trappers and by oil
companies drilling in the locality.

There are no landmarks of any importance on this sheet.

Points submitted as landmarks (Chart Folios #424-1934) 1/20/34
GEOGRAPHIC NAMES:

The following geographic names, shown on the smooth sheet
and not shown on the present charts were obtained from local residents
by Ensign J. C. Tribble while the hydrographic survey was in progress.
These names were checked by at least two people with local knowledge.

Bay Chelan <i>Lake Quitman?</i>	* Bayou Jaque [?] = Coat. Jacques = James
The Floating Land	Current Bayou
Robinson Canal	Bayou Grand
New Lake	Bayou Du Fond
Cenac Lake	Bayou Chat Tigre
White Straw Lake	** Mangrove Bayou
Indian Bay	Ash Bayou
Indian Bayou	Mud Bayou
North Bayou	Bayou Barre
White Straw Bayou	Bayou La Peur
Little Saline	Bay La Peur
Sevin Canal	Lake Tambour
Bayou Portage	Bayou Gastette
Saline Bayou	Bayou La Claire

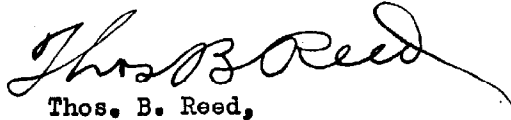
* Spelled incorrectly on air-photo sheet.

** Shown as Bayou Bulbur on air-photo sheet

CONNECTION WITH OTHER SURVEYS:

This sheet joins on the east and south with surveys of
W. D. Patterson, 1934 and on the west with sheet No. 3.

Respectfully submitted,



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

TERREBONNE BAY
TIDAL AREAS FOR HYDROGRAPHIC SHEET NO.4

YEAR
1934

DATE --- DAY & VOL NO --- POSITIONS -----TIME ----- AREA or STAFF --- GRAPH NO.

August 23	a - 1	1 to 77	13:07:40 to 16:58:40	Bayou Terrebonne	70
August 24	b - 1	1 to 155	8:17:20 to 17:00:40	Bayou Terrebonne	70
August 25	c - 2	1 to 134	8:51:00 to 16:52:40	Bayou Terrebonne	70
August 27	d - 2	1 to 164	8:53:40 to 17:18:40	Bayou Terrebonne	70
	a - 5	1 to 17	9:16:40 to 10:26:00	Cocodri	
August 28	e - 3	1 to 85	8:47:00 to 16:24:00	Bayou Terrebonne	71
August 30	f - 3	1 to 129	9:35:20 to 17:22:20	Lake Tambour	71
August 31	g - 4	1 to 144	9:14:00 to 16:53:40	Bayou Terrebonne	71
	b - 5	1 to 145	7:39:00 to 13:55:00	Cocodri	
September 1	h - 4	1 to 34	8:26:00 to 9:41:00	Bayou Terrebonne	71
		35 to 47	10:48:40 to 11:13:40	Lake Tambour	
		48 to 68	12:41:20 to 13:31:00	Bayou Terrebonne	

STATISTICS FOR SHEET # 4 (Terrebonne Bay)

YEAR

1934

DATE	Day Letter	Vol. no.	Statute mi. Sdg. Lines	Number Soundings	Number Pos.
Aug. 23	a	1	24.7	609	78
24	b	1	54.0	1245	155
25	c	2	43.4	1035	134
27	d	2 & 3	34.1	985	164
28	e	3	20.0	456	85
30	f	3	21.9	684	129
31	g	4	30.1	818	144
Sept. 1	h	4	10.0	327	68
Aug. 27	a	5	6.5	178	17
31	b	5	27.0	753	145
Total -----			271.7	7090	1119

No. Sq. miles area of soundings 38.2

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

GEOGRAPHIC NAMES
 LOUISIANA

Survey No. H 5541

Top. 5243 + 5247

Chart No. 1116, 197 + 198

Date. November 7, 1934

Diagram No. 1116

Names underlined in red approved Nov. 13, 1934

H. Bacon

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

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

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

Q Name questioned. Await further investigation Q

A large number of names are new ones reported by the survey party and are accepted as O.K.

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	Bay Cholon Q	Lake Quitman 5293	Yes	Yes ✓	29°20.3' 90°39.5'
	<u>Lake Quitman</u>	<u>Lake Robinson</u> 644 D. G. N. 11/18/38			
✓	<u>The Floating Land</u>	-----	"	"	29°19.7' 90°39.7'
✓	<u>Robinson Canal</u>	-----	"	"	29°20.0' 90°38.8'
✓	<u>New Lake</u>	-----	"	"	29°18.3' 90°40.7'
✓	<u>Cenac Lake</u>	-----	"	"	29°18.0' 90°41.4'
✓	<u>White Straw Lake</u>	-----	"	"	29°17.0' 90°40.6'
✓	<u>Indian Bay</u>	-----	"	"	29°16.9' 90°39.9'
✓	<u>Indian Bayou</u>	-----	"	"	29°16.4' 90°39.8'
✓	<u>North Bayou</u>	-----	"	"	29°16.4' 90°40.0'
✓	<u>White Straw Bayou</u>	-----	"	"	29°16.3' 90°40.2'
✓	<u>Little Saline</u>	-----	"	"	29°15.2' 90°41.2'

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

Survey No. H5541

GEOGRAPHIC NAMES
 LOUISIANA

Chart No. 1116, 197 & 198

Date. November 8, 1934

Diagram No. 1116

Names underlined in red approved Nov. 13, 1934
H. Bacon

- * 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.

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
✓	<u>Ash Bayou</u> ✓	-----	Yes	Yes	29°19.1' 90°34.0'
✓	<u>Mud Bayou</u> ✓	-----	"	"	29°18.0' 90°33.5'
✓	<u>Bayou Barre</u> ✓	-----	"	"	29°20.0' 90°32.4'
✓	<u>Bayou La Peur</u> ✓	-----	"	"	29°18.4' 90°32.0'
	<i>Charles Theriot</i> see T-5293				
✓	<u>Bay La Peur</u> ✓	-----	"	"	29°17.5' 90°31.0'
✓	<u>Lake Tambour</u> ✓	-----	"	"	29°20.0' 90°30.5'
✓	<u>Bayou Calette</u> ✓	-----	"	"	29°18.4' 90°30.6'
	<i>Oyster Bayou</i> see T-5293				
✓	<u>Bayou La Claire</u> ✓	-----	"	"	29°18.5' 90°30.0'
✓	<u>Lake Barre</u> ✓	-----	Some	-----	
✓	<u>Wine Lake</u> ✓	-----			29°15' 90°37.3'

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

Survey No. H 5541

Date. November 8, 1934

GEOGRAPHIC NAMES
LOUISIANA

Chart No. 1116, 197 & 198

Diagram No. 1116

*Names underlined in red approved Nov. 13, 1934
H. Bacon*

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

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

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

Q Name questioned. Await further investigation Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
✓	<u>Sevin Canal</u> ✓	-----	Yes	Yes	29°16.5' 90°38.5'
✓	<u>Saline Bayou</u> ✓	-----	"	"	29°15.1' 90°40.7'
✓	<u>Bayou Little Caillou</u> ✓	-----	-----	"	29°19.0' 90°38.7'
✓	<u>Bayou Portage</u> ✓	-----	Yes	"	29°15.5' 90°38.0'
	Bayou Jacque Q	<u>Bayou Jack</u> ✓ D.G.N 11/18/38	Bayou Jacque	Bayou Jacque ✓	29°17.6' 90°38.0'
✓	<u>Bayou Terrebonne</u> ✓	Same	-----	-----	29°19.0' 90°37.5'
✓	<u>Bayou Potaz</u> Courant Bayou ✓	see T-5293	Yes	Yes	29°18.5' 90°37.0'
✓	<u>Bayou Grand</u> ✓	-----	"	"	29°16.1' 90°37.9'
	<u>Bayou de Courant</u>	see T-5293			
✓	<u>Bayou Du Fond</u> ✓	-----	"	"	29°19.0' 90°35.5'
✓	<u>chitigue</u> <u>Bayou Chat Tiere</u>	see T-5293	"	"	29°19.5' 90°35.2'
✓	<u>Bayou de Mangue</u> Mangrove Bayou ✓	D.G.N 11/18/38	"	"	29°19.5' 90°34.5'
✓	<u>Bayou la Fleure</u>	From U.S.G.S. Dulac Quad.			29°15.9' (M 100) 90°35.1'

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. 5541.

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

Number of positions on sheet	.1119.
Number of positions checked	.133.
Number of positions revised	.22.
Number of soundings recorded	.7099
Number of soundings revised	...60.
Number of signals erroneously plotted or transferred9.

Date:..... Jan 10 .. 1934

Cartographer:..... H. L. Flemer

Verification of plotting Verification & taking of notes and details	H. L. Flemer	Time 19 hr
Verification of taking by	H. L. Flemer	Time 30 hr
Review by	H. W. Murray	Time 4 "

766. Ellis

2ae

Division of Hydrography and Topography:

✓ Division of Charts:

Tide Reducers are approved in
5 volumes of sounding records for

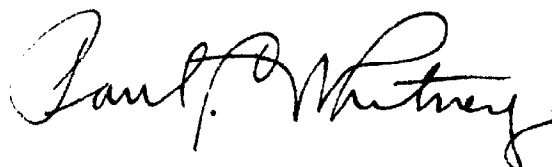
HYDROGRAPHIC SHEET 5541

Locality Lake Barre and vicinity, East Coast of Louisiana

Chief of Party: T. B. Reed in 1934
Plane of reference is mean low water reading
1.5 ft. on tide staff at Lake Tambour
1.7 ft. below B.M. 1
1.9 ft. on tide staff at Bayou Terrebonne
1.8 ft. below B.M. 1
1.5 ft. on tide staff at Cocodri
2.1 ft. below B.M. 1

Height of mean high water above plane of reference is 1.2 feet
at Lake Tambour and Cocodri; 1.3 feet at Bayou Terrebonne

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

^{Verification}
Report on H 5541

Chief of Party Thos B. Reed

Protracted by J. C. Trittle

Verified and Inked by H. L. Elemen

Surveyed in Aug. Sep. 1934

Surveyed by J. C. Trittle

J. J. McIlwain

Soundings plotted by
T. F. Donlon

1. The records conform to the requirements of the general instructions
2. Very few depth curves appear within the limits of this sheet. The more extensive areas of water are less than one fathom deep and the layous are, with few exceptions, too narrow for development.
3. The field plotting was complete with the exception of a canal at Lat. $29^{\circ} 18.5'$ Long. $90^{\circ} 38.5'$. The reason for this omission was noted by the field party in Vol 4. page 36 of the sounding records.
4. This canal was plotted and several minor changes in shore line suggested by the field party were made.
5. The junction with H-5482 appears to be satisfactory but the junction with H-5481 (made on that sheet) indicates several conflicting crossings which have caused a noticeably irregular curve at Lat. $29^{\circ} 14'$ Long. $90^{\circ} 31'$. Slight irregularities also occur in some of the layous that join these two sheets. It may be possible that the narrowness and steep sides of the channels will account for the

Approved and signed by
J. J. McIlwain
T. F. Donlon

variations that occur at Lat. $29^{\circ}16'$ Long $90^{\circ}39'$,
 Lat $29^{\circ}14.7'$ Long $90^{\circ}35.3'$ and Lat $29^{\circ}14.5'$
 Long $29^{\circ}14.5'$.

6. In many instances, positions were obtained by one angle or by reference to the shore line with no angles. This has resulted in wide variations of spacing between soundings that are not accounted for by either probable or recorded changes in boat speed. The lack of sufficient definite evidence to warrant any changes has made it necessary, in most instances, to accept the field plotting as correct. Wide variations in spacing occur in the following areas:

area:	Lat	Long	Positions
Field plotting accepted from	$29^{\circ}20.5'$	$90^{\circ}29.5'$	64 to 77 f
	" $29^{\circ}18.5'$	" $90^{\circ}31.5'$	" 81 " 90 f
	" $29^{\circ}20.5'$	" $90^{\circ}31.1'$	" 51 " 53 f
	" $29^{\circ}19.5'$	" $90^{\circ}35.5'$	" 40 " 43 f

No landmarks for charts or Lighthouse data was located in the files. However a light list was submitted as landmarks ~~was~~ ^{was}

Submitted by
 H. L. Flemer.

Jan 10, 1934.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5541 (1934)

Lake Barre and Vicinity, Gulf of Mexico, Louisiana
Instructions dated October 27 and November 22, 1933 (L. C. Wilder)
Surveyed August 23 to September 1, 1934

Hand Lead and Pole Soundings = 3-Point Control on Shore Signals

Chief of Party - T. B. Reed.

Surveyed by - J. C. Tribble and J. F. Mollwain.

Protracted and Soundings Plotted by - J. C. Tribble and T. F. Doillon.

Verified and Inked by - H. L. Flemer.

1. Condition of Records.

The records are neat, legible and conform to the requirements of the Hydrographic Manual, with the exception that topographic signal "Rag" falling depths of 4 feet was not indicated as a white light on a dolphin. This was added in the office.

2. Compliance with Instructions for the Project.

The plan, character and extent of the survey satisfy the instructions for the project.

3. Sounding Line Crossings.

The few crosslines that were run or result from the work are satisfactory.

4. Depth Curves.

Portions of the 6 and 12 foot curve may be satisfactorily drawn within the limits of the survey.

5. Junctions with Contemporary Surveys.

a. The junction with H-5481 (1934) on the south is in general, satisfactory. General agreement of soundings is within $\frac{1}{2}$ to 1 foot except in one or two sloughs and in the narrow channels of uneven bottom, where differences of as much as 2 feet are noted.

b. The junction with H-5482 (1934) on the east is excellent.

c. The junction with H-5539 (1934) on the west will be considered in the review of that survey.

d. The northern limits of this survey represent the limit of the present project.

6. Comparison with Prior Surveys.

a. H-2811 (1906).

The few soundings of this survey which fall within the limits of the present survey in the general vicinity of Lake Barre vary from $\frac{1}{2}$ to $1\frac{1}{2}$ feet deeper than those of H-5541 (1934). In addition, shoreline differences of as much as 70 meters are noted between the two surveys and numerous small islands shown on the old survey have now disappeared.

b. There are no prior hydrographic surveys by this Bureau to the northward and westward of Lake Barre

7. Comparison with Chart No's 197 and 198.

a. Soundings shown on the above charts originate with surveys discussed in the foregoing paragraphs and need no further consideration in this review.

b. Fixed Aids to Navigation.

The beacon in Lat. $29^{\circ}14.9'$, Long. $90^{\circ}34.7'$ was located on the present survey about 300 m. to the northeastward of the charted position which position originates with LEN to M No. 17 (1931) and was plotted by an approximate distance and bearing from the beacon to the southwest by westward. The beacon about $\frac{3}{4}$ miles SW x W of the above is practically unchanged in position.

8. Field Plotting.

Field protracting and plotting were very accurate and conform to the requirements of the Hydrographic Manual.

9. Additional Field Work Recommended.

This survey is complete and no additional field work is required.

10. Superseding Previous Surveys.

Within the area covered, H-5541 (1934) supersedes the following survey for charting purposes:

H-2811 (1906) In part.

11. Reviewed by - Harold W. Murray, January 17, 1935.

Inspected by - A. L. Shalowitz.

Examined and approved:

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

L. C. Tolbert
Chief, Division of Charts.

J. Borden
Chief, Section of Field Work

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

Applied to Chas. 1274 March 1937 H.S.G.