

5539

5539

FORM 504
REV. DEC. 1933
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

~~Hydrographic~~ Sheet No. 3 5539
Hydrographic

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
OCT 26 1934
Acc. No.

State Louisiana

LOCALITY

Gulf of Mexico

Lake Mechant, and Vicinity and

island.

1934

CHIEF OF PARTY

Thos. B. Reed

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5539

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. 3

REGISTER NO. 5539

State Louisiana

General locality Gulf of Mexico

Locality Lake Mechant, and vicinity and eastward.

Scale 1:20,000 Date of survey July 22 to Aug. 30, 1934

Vessel Field Party No. 4.

Chief of Party Thos. B. Reed

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

Protracted by J. C. Tribble

Soundings penciled by T. F. Donlon

Soundings in ~~fathoms~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by

Inked by *A. M. Ujevich*

Verified by " " "

Instructions dated October 27; November 22, 19 33

Remarks:

DESCRIPTIVE REPORT
to accompany

Hydrographic Sheet No. 3, Lake Mechart, Sister Lake and eastward.

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: July 22, 1934 to August 30, 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 open waters and where the signals were not obstructed by trees the sounding lines were fixed by standard methods. In the northern and eastern sections of the sheet where there are numerous trees along the bayous, positions were fixed by reference to the shore line from the air-photo topographic sheets which had been transferred to the boat sheet. The positions were spotted on the boat sheet by the hydrographer at the time he passed each particular point of reference.

All positions in the bayous on the boat sheet were ^{plotted} relative to the air-photo shore line. If the fix plotted slightly off on the boat sheet it was shifted to its proper position according to the shore line. Positions on the smooth sheet were likewise shifted slightly if necessary.

DISCREPANCIES:

Reference is made to the Descriptive Report for Hydrographic Sheet No. 2, concerning the air-photo shore line in this area.

In Mud Bay, North of position 14f there is a small marsh island and north of position 87e there are two small marsh islands. These three islands were not shown on the air-photo sheet and were sketched in by the hydrographer.

In the eastern side of Sister Lake, west of position 31b there is a small marsh island which was not shown on the air-photo sheet. This island was sketched in by the hydrographer.

The shoal area shown as water on the air-photo sheet about 600 meters S.W. of station DEEP has grown up with grass and should be shown as marsh. There is no pass to the eastward from position 21-1 and the dashed line shows the edge of the marsh.

GENERAL DESCRIPTION OF AREA:

The area covered by this sheet is low and all land areas are marsh. There are scattered trees along the bayous in the northern and eastern sections. The area is sparsely populated but there is considerable navigation through the various lakes and bayous by local fishermen and trappers.

Now shown
on T 5290
JGT

Smooth sheet
marked

There are no landmarks of any importance on this sheet.

GEOGRAPHIC NAMES:

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

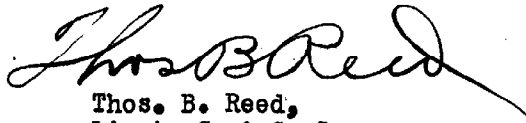
✓ Lake Mechant	✓ Bayou Grand Caillou
✓ Sister Lake	✓ Trouble Bayou
✓ Big Deer Bayou	✓ Treasure Bayou
✓ Ashburn Bayou	* Bayou Lourse (L'ourse)
✓ Grand Pass	* Four Island Bayou
✓ Little Bayou de Large	✓ Cain Bayou
✓ Jones Bayou	✓ Bayou Platte
✓ Jacks Bayou	* Wax Bayou
✓ Mussel Bay	✓ Saline Platte
✓ Bayou Severin	✓ Deep Saline
✓ Little Deer Bayou	

* Incorrectly named on photo-topo sheet (Checked by several local residents).

CONNECTION WITH OTHER SURVEYS:

This sheet joins on the south with Sheet No. 2 and on the east with sheet No. 4.

Respectfully submitted,



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

TERREBONE BAY

TIDAL AREAS FOR HYDROGRAPHIC SHEET NO.3

YEAR

1934

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

July 22	a - 1	1 - 8	9:13:00	Sister Lake	66
			to		
			9:33:40		
		9 - 159	9:34:00	Lake Mechant	
			to		
			17:32:00		
		160 - 168	17:41:20	Sister Lake	
			to		
			18:05:00		

July 26	a - 5	1 - 123	8:13:40	Sister Lake	66
			to		
			16:01:00		

July 27	b - 5	1 - 89	8:00:00	Sister Lake	66
			to		
			12:54:40		
		90 - 114	13:11:40	Lake Mechant	
			to		
			14:42:00		

July 29	b - 1 & 2	1 - 18	9:07:20	Four Island Bayou	66
			to		
			9:32:20		
		19 - 49	9:32:40	Sister Lake	
			to	Plus 1 hr.	
			11:44:00		
		50 - 84	11:44:20	Four Island Bayou	
			to		
			13:14:00		
		85 - 105	13:14:20	Sister Lake	
			to	Plus 1 hr.	
			13:50:00		

Aug. 8	c - 2	1 - 11	8:33:40	Four Island Bayou	67
			to		
			9:14:00		
		12 - 30	9:14:20	Four Island Bayou	
			to	Plus 1 hr.	
			10:14:40		
		31 - 47	10:14:45	Misale plus 2 hrs.	
			to		
			11:30:00		
		48 -,72	11:30:20	Misale plus 1 hr.	
			to		
			14 :24:40		

HYDROGRAPHIC SHEET NO. 3 CONT.

YEAR 1934	DATE	DAY & VOL. NO.	POSITIONS	TIME	AREA or STAFF	GRAPH NO.
Aug. 9	d - 2	1 - 39	8:58:00	Four Island Bayou	67	
			to			
		40 - 83	11:04:40 11:05:00	Four Island Bayou plus 1 hr.		
Aug. 12	e - 2 & 3	84 - 107	12:50:20 12:52:00	Four Island Bayou	67	
			to			
		1 - 12	16:20:00	Sister Lake		
Aug. 12	e - 2 & 3	13 - 35	10:00:00 10:29:00	Sister Lake	67	
			to			
		36 - 45	10:29:20 11:14:00	Sister Lake plus 1 hr.		
			to			
Aug. 12	e - 2 & 3	46 - 102	11:14:20 11:54:00	Bayou DeLarge	67	
			to			
			14:50:40	Lake Mechant		
			17:24:40			
Aug. 13	f - 3	1 - 6	8:18:00	Sister Lake	67	
			to			
		7 - 73	8:25:40 9:07:00	Lake Mechant		
Aug. 13	f - 3	74 - 87	15:03:00 15:03:20	Lake Mechant plus	67	
			to			
			15:28:00	1 hr.		
Aug. 14	g - 3	1 - 49	8:36:40	Sister Lake plus	68	
			to			
		50 - 75	10:27:00 10:27:20	Sister Lake plus		
			to			
Aug. 14	g - 3	76 - 171	11:30:00 13:49:40	Sister Lake plus	68	
			to			
			17:29:40	1 hr.		

HYDROGRAPHIC SHEET NO 3 CONT.

YEAR 1934	DATE	DAY & VOL.NO.	POSITIONS	TIME	AREA or STAFF	GRAPH NO.
	Aug. 15	h - 4	1 - 10	11:55:40 to 12:17:20	Sister Lake	68
			11 - 36	13:10:00 to 14:20:20	Lake Mechant	
			37 - 61	17:17:00 to 18:11:20	Sister Lake plus 1 hr.	
	Aug. 16	j - 4	1 - 50	7:00:00 to 8:33:20	Sister Lake plus 1 hr.	68
			51 - 120	8:33:40 to 11:21:00	Four Island Bayou	
		o - 6	1 - 34	7:14:00 to 7:56:20	Sister Lake plus 1 hr.	68
	Aug. 24	k - 4	1 - 30	17:21:20 to 18:15:20	Cocodri	68
	Aug. 25	l - 4	1 - 18	15:55:10 to 16:28:20	Four Island Bayou	69
			19 - 44	16:46:00 to 17:36:30	Cocodri	
	Aug. 30	m - 4	1 - 32	9:05:40 to 11:20:20	Cocodri	69
			33 - 71	11:20:40 to 12:45:20	Four Island Bayou	

STATISTICS FOR SHEET # 3 (Terrebonne Bay)

YEAR
1934

DATE	Day Letter	Vol. no.	Statute mi. Sdg. Lines	Number Soundings	Number Pos.
July 22	a	1	45.0	1190	168
29	b	1 & 2	23.5	473	105
Aug. 8	c	2	17.0	501	72
9	d	2	19.5	638	107
12	e	2 & 3	20.3	707	102
13	f	3	13.3	559	87
14	g	3	25.5	858	171
15	h	4	8.0	268	61
16	j	4	17.8	575	120
24	k	4	6.5	132	30
25	l	4	6.0	214	44
30	m	4	12.7	412	71
July 26	a	5	32.0	835	123
27	b	5	28.9	765	114
Aug. 16	c	6	2.9	129	34
Total -----			278.9	8256	1409

No. Sq. miles area of soundings 33.7

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. 5539

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

Number of positions on sheet	..1409
Number of positions checked19
Number of positions revised14
Number of soundings recorded	..8256
Number of soundings revised36
Number of signals erroneously plotted or transferred

Date: Jan. 14, 1935

Cartographer: A.M. Uzefovich

Verification of protracting) - by A.M. Uzefovich	Time: 14 hours
Verification & inking of rocks and shoals)		
Verification & inking by A.M. Uzefovich		Time: 13 "
Review by	John C. Ladd,	Time: 7 1/2 "

SECTION OF FIELD RECORDS

Verification Report H. 5539 (1934).

1. The records conform to the requirements of the General Instructions.

2. The field plotting was completed to the extent prescribed in the General Instructions. ✓

3. The hydrography is complete, and the usual depth curves can be drawn. ✓

4. The office cartographer did not have to do over any part of the drafting done by the field party, except some small corrections of the shore lines, which were checked from Air Photos T. 5289, T. 5290, T. 5293 and T. 5294. ✓

5. The junctions with adjacent sheets were not made. (Junctions have been made) ✓

Remarks:

A visual inspection of the course lines, and location of the positions on the smooth sheet was done, in comparison with the Boat Sheet. Both sheets agree satisfactorily, except in some positions, the plottings of which were verified. For instance the position 74b on the Boat Sheet is shown 100 meters further to the North in comparison with its location on the Smooth Sheet (Lat. $29^{\circ}15'.1$, Long. $90^{\circ}46'.8$). ✓

The location of the position 15m (Vol. 4, page 58, Lat. $29^{\circ}15'.3$, Long. $90^{\circ}42'.2$) was changed to agree with the Boat Sheet, and with the remark in the soundings volume: "point of island 20 M. Rt.", though at the position 14m there is the reading by compass - 155° . ✓

The positions 95d - 107d (Vol. 2, pages 52 - 54) and the soundings between them were not plotted on the Boat Sheet (Lat. $29^{\circ}15'.1$ - $29^{\circ}15'.7$, Long. $90^{\circ}46'.8$ - $90^{\circ}46'.1$). Plotted on Smooth sheet. ✓

The sounding $1\frac{1}{2}$ feet (in pencil on H. ~~5514~~⁵⁵³⁹) was not inked, as its location is uncertain. On the Boat Sheet there is a channel shown in pencil. [See: Vol. 3, page 31, positions 76f - 77f, 80 meters to the south from Θ ARK, Lat. $29^{\circ}18'.1$, Long. $90^{\circ}54'.6$]. as the $1\frac{1}{2}$ ft. sounding was omitted, (line ended with pos. 81g to 1/2 ft. sounding) ✓

Vol. 3, page 50 - "Maximum depth 2 ft. between pos. 81g - 82g, but no soundings were plotted there on the Smooth Sheet. The Boat Sheet has 2 ft. a sounding in pos. 82g (Lat. $29^{\circ}17'.2$, Long. $90^{\circ}50'.3$). It does not plotted ✓
→ no sounding in record for pos 82g

Vol. 4, page 50, positions 22L - 26L, there is a remark: "this part of line rejected - shoreline on sheet wrong". ✓

Submitted by - *A. M. Uzefovich*
A. M. Uzefovich,
Jr. Carto. Engr.,
U. S. C. & G. S.

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

Survey No. H 5539

Date. November 6, 1934

GEOGRAPHIC NAMES
LOUISIANA

Chart No. 1116

Diagram No. 1116

Names underlined in red approved Nov. 14, 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. Wait for further information Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
✓	<u>Sauver</u> Bayou Saurel <i>see T-5289</i> <i>(Name in two places)</i>		Yes	Yes	29°15.4' 90°51.2'
R	Bayou Grand Caillou	D.G.N	"	"	29°14.8' 90°48.4' ✓
✓	Trouble Bayou		"	"	29°14.0' 90°48.3'
✓	<u>Bayou du Nord</u> North Bayou <i>see T-5289</i> <i>Not mentioned in Disc. Report</i>				29°15.3' 90°50.1'
✓	Treasure Bayou		Yes	Yes	29°15.5' 90°47.5'
✓	Four Island Bayou	D.G.N 1/18/38	"	"	29°16.0' 90°45.7'
✓	Bayou Course	D.G.N 1/18/38 Same			29°16.5' 90°45.9'
✓	<u>Alligator</u> <u>Gain Bayou</u>	D.G.N. 1/27/39	Yes	yes	29°17.0' 90°44.5'
✓	<u>Bayou Gode</u> <u>Bayou Gode</u>	(R) Bayou Colyell D.G.N 1/18/38 <i>Not mentioned in Disc. Report. See Disc. Report H 5538</i>	Yes	Yes	29°14.0' 90°45.5'
✓	Deer Bayou	<i>(Not a happy choice for a name! Perdicion Bayou would be a name not so harsh and grating. Approved because local name)</i> <i>Not mentioned in Disc. Report</i>	"	"	29°14.0' 90°44.0'
	<u>Plat</u> <u>Bayou Platte</u>	D.G.N 1/18/38 <i>Hold</i>	<i>This name apparently applies to the position between Bayou Grand Caillou and Four Island Bayou. See T. 5293. Wait for inquiry to be answered.</i>		29°20.0' 90°43.8'

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

Survey No. H 5539

GEOGRAPHIC NAMES
 LOUISIANA

Chart No. 1116

Date. November 6, 1934

Diagram No. 1116

Names underlined in red approved Nov. 14, 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.

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Wax Bayou</u> <i>See T 5293 for limits. Wait for Hold. Inquiry HB.</i>	<i>D. G. N. 11/18/38</i>	Yes	Yes	29°18.8' 90°43.1'
✓	<u>Saline</u> <i>Plat. O.G.N. 11/18/38</i>	<i>-----</i>	"	"	29°15.6' 90°41.8'
✓	<u>Deep Saline</u>	<i>-----</i>	"	"	29°15.0' 90°42.0'
	<u>Little Bayou Misale</u> <i>Question as to limits. Hold. HB.</i>		"	"	29°15.0' 90°43.0'
	<u>Four Point Bayou</u> <i>D. G. N. 11/18/38</i>	<u>Fourpoint Bayou</u>	<i>-----</i>	<i>-----</i>	29°17.0' 90°42.8'
✓	<u>Grand Bayou de Large</u> <i>same on US Engng. Map. No. 5. 1934</i>			✓	29°13' 90°56.6'

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

GEOGRAPHIC NAMES
LOUISIANA

Survey No. H 5539
Tak 5289, 5290, 5293 & 5294
Chart No. 1116, 197 & 198

Date. November 6, 1934

Diagram No. 1116

Names underlined in red approved Nov. 14, 1934

- * 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. R
 Q Name questioned. Wait for further information Q

A large number of new names on this sheet are reported by the survey party as local names and are accepted as correct H.B.

Status	Name on Survey	Name on Chart or other Maps or Charts	New Names in local use	Names assigned by Field Party	Location
	<u>Lake Mechant</u> DGN ✓ <i>Local name reported by Survey Party H 5539 after careful investigation</i>	<u>Lake Mechant</u> , U.S. Engrs Map of So. La., 1934 <u>Lake Washa</u>	Yes	Yes ✓	29° 18.0' 90° 57.0'
	<u>Sister Lake</u> ✓	<u>Caillou Lake</u> DGN	"	" ✓	29° 14.0' 90° 55.0'
	<u>Little Bayou de Large</u> (Q) <i>US Engrs Map of So. La., 1934, gives the name Little Bayou de Large to that part of the Bayou west of Grand Pass and Bayou de Large to that part eastward of Grand Pass</i>	<u>Bayou du Large</u> USGB decision Bayou de Large	"	" ✓	29° 19.0' 90° 51.8'
	R ✓ <u>Big Deer Bayou</u> (USGB decision) <i>Local Name (C48)</i>	<u>Bayou Chevreux</u> , U.S. Engrs Map of So. La., 1934 <i>See T 5290 Big Deer Bayou</i>	"	"	29° 19.0' 90° 55.0'
✓	<u>Little Deer Bayou</u> (R) <i>Local Name</i>	<u>Bayou Petit Chevreux</u> "	"	"	29° 18.5' 90° 53.5'
	R ✓ <u>Ashburn Bayou</u>	<u>Bayou Dufresne</u> , U.S. Engrs Map of So. La., 1934 ----- <u>Ashburn Bayou</u>	"	" ✓	29° 18.0' 90° 53.0'
✓	<u>Mud Bay</u> <i>Not mentioned in Rec. Report</i>	-----	<i>Local name</i>	"	29° 17.0' 90° 55.0'
✓	<u>Grand Pass</u>	-----	"	"	29° 15.8' 90° 56.1'
	<u>Bayou Jones</u> <i>See T-5289</i>	-----	"	"	29° 16.0' 90° 52.5'
✓	<u>Jones Bayou</u> <i>Omit apostrophe</i>	-----	"	"	29° 16.0' 90° 52.5'
✓	<u>Jacks Bayou</u> (R) <i>other duplication (R)</i>	-----	"	"	29° 16.7' 90° 52.9'
	<u>Muscul Bay</u> R ✓	<u>Bay Mancelouse</u> on U.S. Engrs Map, So. La., 1934 ----- D.G.N.	"	" ✓	29° 14.3' 90° 51.5'

Mr. Ellis

LAC

November 23, 1934.

Division of Hydrography and Topography:

✓ Division of Charts:

Tide Reducers are approved in
6 volumes of sounding records for

HYDROGRAPHIC SHEET 5539

Locality Lake Merchant and vicinity, East Coast of Louisiana

Chief of Party: T. B. Reed in 1934

Plane of reference is mean low water, reading

1.6 ft. on tide staff at Sister Lake

1.5 ft. below B.M. 1

2.8 ft. on tide staff at Four Island Bayou

1.1 ft. below B.M. 1

1.7 ft. on tide staff at Lake Merchant

1.0 ft. below B.M. 1

1.4 ft. on tide staff at Misale

1.3 ft. below B.M. 1

2.4 ft. on tide staff at Bayou de Large

3.3 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 1.0 ft. at Sister Lake; 0.8 ft. at Four Island Bayou; 0.7 ft. at Lake Merchant; 1.1 ft. at Misale; 0.9 ft. at Bayou De Large; and 1.2 ft. at Cocodri.

Condition of records satisfactory except as noted below:

Large; and 1.2 ft. at Cocodri.

Paul B. Whitney

Chief, Division of Tides and Currents.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5539 (1934).

Lake Mechant and Vicinity, Gulf of Mexico, La.
Instructions dated October 27, 1933 (T. R. Reed).
Surveyed - July 22 to August 30, 1934.

Pole and Hand Lead Soundings - 3-Point Fixes on Shore Signals.

Chief of Party - T. B. Reed.
Surveyed by - J. C. Tribble; J. F. McIlwaine.
Protracted by - J. C. Tribble.
Soundings penciled by - T. F. Donlsor.
Verified and inked by - A. M. Uzefovich.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual.

2. Compliance With Instructions.

The survey satisfies the instructions for the project. Little Deer Bayou was not surveyed, although there is 5 feet of water at its entrance.

3. Sounding Line Crossings.

There is no regular system of cross lines. The few that do exist, together with the parallel adjacent lines are in good agreement.

4. Depth Curves.

The depth curves are satisfactory.

5. Junctions with Contemporary Surveys.

The junction with H. 5538 (1934) on the south is satisfactory. H. 5541 (1934) is on the immediate east but there is no connecting surveyed waterway between the two surveys. There are no contemporary surveys on the west and north.

6. Comparison With Prior Surveys.

There is no prior survey of the area as covered by H. 5539 (1934).

7. Comparison With Chart No. 1116.

There is no hydrography on the chart within the limits of the present survey.

8. Field Plotting.

The field plotting was satisfactory.

9. Additional Field Work Recommended.

No additional field work is required.

10. Superseding Old Surveys.

There are no prior surveys within the area as covered by H. 5539 (1934).

11. Reviewed by - John G. Ladd, January 1935.

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. Pollett
Chief, Division of Charts.

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

Applied to Chart 1274 - March 1937 J.H.S.
Applied to Chart 1050 May 1937 Char R. Bunker
" " 1275 " " J.H.S.