

5538

5538

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

DESCRIPTIVE REPORT

~~Topographic~~ } Sheet No. 2 5538
Hydrographic } 5538 Add'l Work

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

OCT 26 1984

Acc. No. _____

State Louisiana.

LOCALITY

Gulf of Mexico

Northeast of Caillion Bay Lake

Falco.

Also Contains Additional Work

1934

CHIEF OF PARTY

Thos. B. Reed

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5538

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. 2

REGISTER NO. 5538

State Louisiana

General locality Gulf of Mexico

Locality Northeast of Galveston Bay

Scale 1:20,000 Date of survey June 8 to Aug. 28, 1934

Vessel Field Party No. 4.

Chief of Party Thos. B. Reed

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

Protracted by T. F. Donlon

Soundings penciled by T. F. Donlon

Soundings in fathoms feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by

Inked by C. STANLEY LIGHTDOWN

Verified by C. STANLEY LIGHTDOWN

Instructions dated October 27; November 22, 1933

Remarks:

DESCRIPTIVE REPORT
to accompany

Hydrographic Sheet No. 2, North of Caillou Bay and Lake Pelto.

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: June 8, 1934 to August 28, 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 considerable number of cases positions were obtained by reference to the air-photo shore line. These are in the shoaler, unimportant areas and in narrow bayous. 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, in the narrow bayous 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:

It is believed that certain sections of the air-photo shore line as originally plotted, using the triangulation stations in this area for control is in error as much as 20 meters. This is probably due to changes in the shore line in the vicinity of the triangulation stations in the time between the photographing and establishing of control.

Positions of hydrographic stations located by this party and their shore line measurements have been furnished the air-photo compilation party and if any changes are made in the position of the shore line on the air-photo sheets, the soundings in the narrow bayous should be shifted accordingly.

The establishing and location of hydrographic control on this project were considerably disrupted by the fact that one major and two minor hurricanes passed over the working grounds during the season. The first one destroyed practically all the signals and the other two destroyed a large number. As a result the hydrographic control on sheets 2, 3 and 4 in this area is not as complete or located as well as could be desired. Cuts to hydrographic stations were plotted on the smooth sheets immediately after the projections were made and good checks were obtained on practically all stations.

On each side of position 141h (Lat. 29°-09.1', Long. 90°-50.2') there are two small marsh islands which are not shown on the air-photo sheet. These were sketched in by the hydrographic party.

Positions 78g to 82g follows along a line of stakes put in by fisherman. Propellor action along this line has caused a

*shown on sheet
4 P. section
advised.
H. H. H.*

*appropriate note
shown on sheet*

slightly deeper channel through the soft mud than the remainder of this bay.

Position 61k to ^{3 (NW end)} 65k follows a dredged channel of the Texas Oil Company. The channel was originally dredged to 6 feet but has been filled with mud to a depth of 4 feet. The channel shown N.W. of EEL was being dredged to 6 feet at the time of the survey. This channel will probably fill with mud to a depth of 4 feet in a few months. Lat. 29° 12'
Long. 98° 52'

All changes of objects or angles by the smooth plotter and notes regarding the plotting are noted in the sounding records.

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 considerable depth.

There is considerable navigation throughout the area by fishermen, trappers and boats of the oil companies drilling in the locality. The region is very sparsely populated.

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 local residents by Ensign J. C. Tribble while the hydrographic survey was in progress:

| | |
|---------------------------|--------------------------|
| Grand Bayou de Large ✓ | Big Misale Bayou ✓ |
| *Grand Pass des Ilettes ✓ | ***Little Misale Bayou ✓ |
| Dog Lake ✓ | Joseph Bayou ✓ |
| Hackberry Lake ✓ | Joseph Bay ✓ |
| **Bayou Go to Hell ✓ | Mangrove Bay ✓ |
| Dog Lake Bayou ✓ | Mangrove Bayou ✓ |
| Pass Quitman ✓ | Deer Bay ✓ |
| Mussel Bay ✓ | Deer Bayou ✓ |
| Bayou Grand Caillou ✓ | White Bay ✓ |
| Muskrat Bayou ✓ | White Bayou ✓ |
| Charley's Bay ✓ | Oak Bayou ✓ |
| Four Island Bayou ✓ | Austrian Bayou ✓ |
| Salt Bay ✓ | Crooked Bayou ✓ |
| Misale Bay ✓ | |

- * Shown on air-photo sheet as "Pass des Islettes" but known locally as "Grand Pass des Islettes".
- ** Incorrectly shown on air photo sheet as Pass des Ilettes. This name was checked by numerous local residents and "Bayou Go to Hell" is the only name by which this bayou is known locally.
- *** Incorrectly shown on air-photo sheet as "Bayou Grand Sale". (Checked by several local residents)

Verification Report on H-5538-(1934)

Jan - 8 - 1935

Chief of party Thos. B. Reed
Surveyed June - August - 1934
Surveyed by J.C. Tribble - J.F. McIlwain
Protracted by } T.F. Dolan.
Soundings plotted by }
Verified & Inked by C. Stanley Lightbown.

1. The records conform to the requirements of the General Instructions except that the day letter was omitted from two pages of volumes.
2. The usual depth curves were completely drawn in accordance with the usual practice.
3. The field plotting was completed to the extent prescribed in the Hydrographic Manual except that a submerged log and a bore stamp (danger to navigation) were not shown. Also two islands shown on air photo sheet were omitted from smooth sheet.
4. The office draftsman did over a part of the field draftsman's work, namely corrections to shore line to conform to air photo sheet and outline of area being dredged by Texas Oil Co., this area was drawn ²⁰ ~~from~~ wide and records called for ¹⁰ ~~20~~ m in width.
5. The junctions with sheets H 5537-1934 and H 5479-1934 were satisfactory.

The junction with H 5481-1934 was not made in its entirety, because a part of this overlap came within the narrow streams where space did not permit showing same. See notes for discrepancies.

(2)

The junction with H 5539-1934 was not made, since it had not been verified

6 Remarks.

Position 38 c day - changed R.L 10 to move 4' sounding closer to shore to conform to adjacent soundings.

Position 66 K day - changed Left L 10 to place 18' sounding outside of 7' sounding
(Lat 29-12-25. Long. 90°52' 40")

See descriptive report in reference to two islands not shown on air photo sheet - call to attention Mr Jones. ^{photo} attention called _{1/11/35}

All reports and records required were received except the following

~~Recoverable stations~~

~~Special chart US Lighthouse Service~~

~~Land marks for charts (no landmarks, see D.R.)~~

~~Field Examinations~~

Respectfully submitted

C. STANLEY LIGHTBOWN.

Mr. Ellis

LAC

November 23, 1934.

Division of Hydrography and Topography:

✓ Division of Charts:

Tide Reducers are approved in
8 volumes of sounding records for

HYDROGRAPHIC SHEET 5538

Locality Northeast of Caillou Bay, Southeast Coast Louisiana

Chief of Party: T. B. Reed in 1934
Plane of reference is mean low water, reading
2.6 ft. on tide staff at Raccoon Pt.
3.1 ft. below B.M. 1
1.3 ft. on tide staff at Dog Lake
1.8 ft. below B.M. 1
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
1.4 ft. on tide staff at Misale Bay
1.3 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 1.7 ft. at Raccoon Pt; 1.4 ft. at Dog Lake; 1.0 ft. at Sister Lake; 0.8 at Four Id. Bayou; 1.1 ft. at Misale; 1.2 ft. at Cocodri.
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 5538
T 5291, 5291 & 5294
Chart No. 1116 and 198

Date. November 6, 1934

Diagram No. 1116

Names underlined in red approved. Nov 17, 1934

* 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.

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 surveys and Maps | New Names in local use | Names ^{reported} assigned by Field | Location |
|--------|--|--|------------------------|---|------------------------|
| | Sister Lake ✓ <i>*</i> <i>U.S. Engrs Map of So. La., 1934</i> <i>USC & G.S. Desc. Rept. T 5290</i> | Caillou Lake " " USGS | ----- | ----- | 29°15.0' 90°55.0' ✓ |
| ✓ | <u>Caillou Bay</u> ✓ | Same | ----- | ----- | |
| | Caillou Bayou R <i>Chart 198, mouth of Bayou</i> | <i>Bayou Caillon Chart 1116 full length</i> Bayou Grand Caillon, US Engrs So. La. 1934 and USGS ✓ Grand Caillon Bayou, Lockert's Map of La. 1872 Grand Bayou Caillon, US Engrs Map of Alluvial Valley of Miss. | ----- | ----- | 29°11.0' 90°56.0' |
| ✓ | <u>Grand Bayou du Large</u> | ----- | ----- | ----- | 29°12.0' 90°57.5' |
| ✓ | Muscat Bay | <i>Bay Monclouse, US Engrs Map of Sq. La. 1934</i> <u>Monterrose Bay</u> used decision | Yes | Yes | |
| ✓ | <u>Hackberry Lake</u> | ----- | Yes | Yes | 29°12.4' 90°51.5' |
| ✓ | <u>Dog Lake</u> ✓ | <i>Dog Lake, US Engrs Map So. La., 1934</i> Dog Lake Chart 1116 | Yes | Yes | 29°09.2' 90°50.0' |
| | Grand Pass Des Ilettes R <i>Local Name</i> → see T-5290 | Pass des Ilettes, Chart 1116 Pass des Isles, US Engrs La., 1934 | Yes | ----- | 29°07.0' 90°51.0' |
| ✓ | <u>Dog Lake Bayou</u> ✓ | ----- | Yes | Yes | 29°10.8' 90°49.5' |
| ✓ | <u>Pass Quitman</u> | ----- | Yes | Yes | 29°10.6' 90°48.8' |
| ✓ | <u>Muskrat Bayou</u> ✓ | ----- | Yes | Yes | 29°12.0' 90°48.0' |

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

GEOGRAPHIC NAMES
 LOUISIANA

Survey No. H 5538

Chart No. 1116

Date. November 6, 1934

Diagram No. 1116

Names underlined in red approved Nov. 19, 1934

H. Bacon

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

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

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

New local names as reported by the Survey Party are accepted as correct H.B.

| Status | Name on Survey | Name on Chart or other maps or charts. | New Names in local use | Names reported assigned by Field | Location |
|--------|-----------------------------|--|------------------------|----------------------------------|----------------------|
| ✓ | <u>Deer Bayou</u> | ----- | Yes | Yes | 29°13.5' 90°43.8' |
| ✓ | <u>Deer Bay</u> | ----- | " | " | 29°12.5' 90°44.0' |
| ✓ | <u>Joseph Bay</u> | ----- | " | " | 29°11.8' 90°43.9' |
| ✓ | <u>Joseph Bayou</u> | ----- | " | " | 29°11.2' 90°44.3' |
| ✓ | <u>Mangrove Bayou</u> | ----- | " | " | 29°11.5' 90°43.6' |
| ✓ | <u>Mangrove Bay</u> | ----- | " | " | 29°10.6' 90°44.4' |
| ✓ | <u>Crooked Bayou</u> | ----- | " | " | 29°11.0' 90°41.5' |
| ✓ | <u>Little Caillou Bayou</u> | <i>Bayou Little Caillou, U.S. Eng'g Map of La., 1934 Bayou Petit Caillon 1116 and Sockette, Map of La., 1872 Little Caillon Bayou U.S.G.S. Dubou. Quad. Bayou Little Caillon, U.S. Eng'g Alluvial Valley of Miss. R. T. 5294</i> | | ✓ | 29°11.5' 90°40.1' |
| | <u>Petit</u> | | | | 29°09.5' |
| | <u>Pass des Ilettes</u> | see T-5290 | | | 90°48.5' |
| | | | | <i>change this name</i> | |

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

GEOGRAPHIC NAMES
LOUISIANA

Survey No. H5538

Date. November 6, 1934

Chart No. 1116

Names underlined in red approved Nov. 19, 1934

Diagram No. 1116

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

New local names reported by the Survey Party are accepted as correct
HB

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

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

see sheet for changes marked in pencil

| Status | Name on Survey | Name on Chart | New Names in local use | Names assigned by Field | Location |
|--------|--|--|------------------------|-------------------------|----------------------|
| ✓ | <u>Colyell Bayou</u> to the Hall | Not Pass des Ilettes (1116) D.G.N. 11/18/38 | Yes | Yes | 29°08.0' 90°49.0' |
| ✓ | <u>Four Island Bayou</u> | P.G.N. 11/18/38 | " | " | 29°14.0' 90°47.4' |
| ✓ | <u>Charley's Bay</u> omit | ----- | " | " | 29°10.0' 90°48.0' |
| ✓ | <u>Salt Bay</u> | ----- | " | " | 29°10.2' 90°46.6' |
| ✓ | <u>Big Misale Bayou</u> | Name in two places. Not Bayou Grand Sale as on 1116 | " | " | 29°08.5' 90°45.5' |
| ✓ | <u>Misale Bay</u> | ----- | " | " | 29°09.5' 90°45.0' |
| ✓ | <u>Little Misale Bayou</u> | Not Bayou Grand Sale as on 1116 D.G.N. 11/18/38 limits this feature | " | " | 29°08.5' 90°44.5' |
| φ | <u>Bay Blanc</u> White Bay see G.N.S. | ----- | " | " | 29°08.0' 90°43.6' |
| ✓ | <u>White Bayou</u> | D.G.N. 11/18/38 makes it part of Oak Bayou | " | " | 29°08.0' 90°43.1' |
| ✓ | <u>Oak Bayou</u> | P.G.N. ----- | " | " | 29°09.5' 90°43.2' |
| ✓ | <u>Oyster Bayou</u> Antoine Bayou | P.G.N. 11/18/38 | " | " | 29°09.8' 90°42.5' |

STATISTICS FOR SHEET # 2

(Terrebone Bay)

YEAR

1934

| Date----- | Day ----- Letter | Vol. no. ---- | Statute mi. --- Sdg. Lines | Number ----- Soundings | Number Pos. |
|-----------|---------------------|---------------|-------------------------------|---------------------------|-------------|
| June 10 | a | 1 | 15.0 | 389 | 73 |
| 11 | b | 1 | 34.3 | 1018 | 189 |
| 12 | c | 1 & 2 | 19.0 | 667 | 109 |
| 13 | d | 2 | 24.0 | 782 | 135 |
| 14 | e | 2 | 12.0 | 389 | 98 |
| July 8 | f | 3 | 8.5 | 256 | 36 |
| 19 | g | 3 | 21.0 | 761 | 158 |
| 20 | h | 3 & 4 | 28.8 | 931 | 214 |
| 21 | j | 4 | 1.2 | 46 | 12 |
| Aug. 10 | k | 4 | 27.0 | 792 | 146 |
| July 11 | a | 7 | 5.5 | 132 | 18 |
| 12 | b | 7 | 5.4 | 133 | 20 |
| 22 | c | 7 | 22.8 | 618 | 77 |
| 23 | d | 7 | 31.1 | 742 | 120 |
| 27 | e | 7 | 3.4 | 79 | 14 |
| 28 | f | 8 | 29.0 | 796 | 130 |
| Aug. 7 | g | 8 | 13.0 | 347 | 65 |
| 15 | h | 8 | 12.5 | 396 | 76 |
| 12 | l | 4 | 5.2 | 137 | 33 |
| 15 | m | 4 | 5.1 | 172 | 40 |
| 24 | n | 5 | 26.3 | 728 | 130 |
| 25 | p | 5 | 23.5 | 795 | 142 |
| 28 | q | 5 & 6 | 25.3 | 737 | 132 |
| Total | | | 398.9 | 11843 | 2167 |

No. sq. miles area of Soundings. 38.5

HYDROGRAPHIC SHEET NO. 2 (Cont.)

2

YEAR

1934

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

| | | | | | |
|------------|----------|--------------------------|----------|---------------------------|----|
| July 19 | g - 3 | 1 to 39 | 10:04:00 | Sister Lake | 62 |
| | | | to | | |
| | | | 11:19:00 | | |
| | | 40 to 56 | 11:19:20 | Sister Lake plus 1 hr. | |
| | | | to | | |
| | | | 12:31:00 | | |
| | | 57 to 69 | 12:51:40 | Dog Lake | |
| | | | to | | |
| | | | 13:13:00 | | |
| | | | 13:13:20 | Dog Lake - | |
| | to | | | | |
| | | 14:56:40 | | | |
| 95 to 114 | 14:57:00 | Dog Lake plus 1 hr. | | | |
| | to | | | | |
| | | 15:56:40 | | | |
| 115 to 129 | 16:13:20 | Dog Lake | | | |
| | to | | | | |
| | | 16:43:40 | | | |
| 130 to 158 | 17:16:00 | Sister Lake | | | |
| | to | | | | |
| | | 18:06:50 | | | |
| <hr/> | | | | | |
| July 20 | h - 364 | 1 to 4 | 8:37:40 | Sister Lake | 62 |
| | | | to | | |
| | | | 8:47:40 | | |
| | | 5 to 40 | 8:48:00 | Raccoon Point plus 1 hr. | |
| | | | to | | |
| | | | 9:46:20 | | |
| | | 41 to 79 | 9:46:30 | Raccoon Point Plus 2 hrs. | |
| | | | to | | |
| | | | 10:29:00 | | |
| | | | 10:29:20 | Dog Lake plus 1 hr. | |
| | to | | | | |
| | | 13:32:00 | | | |
| 135 to 165 | 13:42:20 | Dog Lake | | | |
| | to | | | | |
| | | 15:08:20 | | | |
| 166 to 214 | 15:33:00 | Raccoon Point plus 1 hr. | | | |
| | to | | | | |
| | | 17:55:20 | | | |
| <hr/> | | | | | |
| July 21 | j - 4 | 1 to 12 | 8:10:20 | Sister Lake plus 1 hr. | 62 |
| | | | to | | |
| | | | 8:29:40 | | |
| <hr/> | | | | | |

HYDROGRAPHIC SHEET NO. 2 (Cont.)

57

YEAR

1934

| DATE | DAY & VOL. NO. | POSITIONS | TIME | AREA OR STAFF | GRAPH NO. |
|---|----------------|------------|----------------------------|--------------------------|-----------|
| July 22 | c - 7 | 1 to 77 | 13:30:00 to 17:15:20 | Raccoon Point | 62 |
| July 23 | d - 7 | 1 to 8 | 8:43:00 to 8:55:20 | Raccoon Point plus 1 Hr. | 63 |
| | | 9 to 78 | 9:15:20 to 13:30:00 | Raccoon Point | |
| | | 79 to 120 | 13:53:00 to 15:17:00 | Sister Lake | |
| July 27 | e - 7 | 1 to 14 | 15:52:40 to 17:01:00 | Sister Lake | 63 |
| July 28 | f - 8 | 1 to 130 | 10:33:00 to 17:07:20 | Sister Lake plus 1 hr. | 63 |
| Aug. 7 | g - 8 | 1 to 10 | 8:55:00 to 9:14:40 | Four Island Bayou | 63 |
| | | 11 to 30 | 9:29:40 to 10:25:40 | Sister Lake plus 1 hr. | |
| | | 31 to 55 | 10:39:00 to 12:05:40 | Sister Lake | |
| | | 56 to 65 | 12:26:00 to 12:46:00 | Raccoon Point plus 1 hr. | |
| Aug. 10 | k - 4 | 1 to 133 | 8:33:40 to 15:42:40 | Sister Lake plus 1 hr. | 64 |
| | | 134 to 146 | 15:56:40 to 16:24:00 | Sister Lake | |
| Aug. 12 | l - 4 | 1 to 33 | 7:52:40 to 8:55:20 | Sister Lake | 64 |
| Note: Removed tide gage at Sister Lake. | | | | | |
| Aug. 15 | m - 4 | 1 to 40 | 9:09:00 to 11:38:40 | Sister Lake | 64 |
| | h - 8 | 1 to 4 | 8:23:00 to 8:30:40 | Sister Lake | 64 |
| | | 5 to 40 | 8:36:00 to 10:32:40 | Raccoon Point plus 1 hr. | |
| | | 41 to 76 | 16:35:40 to 17:45:20 | Dog Lake | |

HYDROGRAPHIC SHEET NO. 2, CONT.

YEAR

1934

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

| | | | | | |
|------------|-----------|---------------------|----------|-------------------|----|
| August 24 | n - 5 | 1 to 38 | 9:54:40 | Misale plus 1 hr | 64 |
| | | | to | | |
| | | | 11:53:20 | | |
| | | 39 to 60 | 11:53:40 | Misale | |
| | | | to | | |
| | | | 13:55:20 | | |
| | | 61 to 70 | 14:04:00 | Misale plus 1 hr | |
| | | | to | | |
| | | | 14:22:20 | | |
| | | 71 to 79 | 14:22:40 | Misale | |
| | to | | | | |
| | | 14:42:40 | | | |
| 80 to 91 | 14:43:00 | Misale plus 1 hr | | | |
| | to | | | | |
| | | 15:02:40 | | | |
| 92 to 112 | 15:11:20 | Misale | | | |
| | to | | | | |
| | | 16:27:40 | | | |
| 113 to 130 | 16:28:00 | Misale plus 1 hr. | | | |
| | to | | | | |
| | | 17:21:00 | | | |
| | | ----- | | | |
| August 25 | p - 5 | 1 to 107 | 9:30:00 | Misale Bay | 65 |
| | | | to | | |
| | | | 13:52:40 | | |
| | | 108 to 129 | 14:01:00 | Misale plus 1 hr. | |
| | | | to | | |
| | | | 14:34:00 | | |
| 130 to 142 | 14:44:00 | Dog Lake plus 1 hr. | | | |
| | to | | | | |
| | | 15:07:20 | | | |
| | | ----- | | | |
| August 28 | q - 5 & 6 | 1 to 52 | 8:15:00 | Cocodri | 65 |
| | | | to | | |
| | | | 10:30:20 | | |
| | | 53 to 124 | 10:45:40 | Cocodri - 1 Hr. | |
| | | | to | | |
| | | 17:09:40 | | | |
| 125 to 132 | 17:31:20 | Cocodri | | | |
| | to | | | | |
| | | 17:52:00 | | | |

TERREBONNE BAY
TIDAL AREAS FOR HYDROGRAPHIC SHEET NO. (2)

YEAR
1934

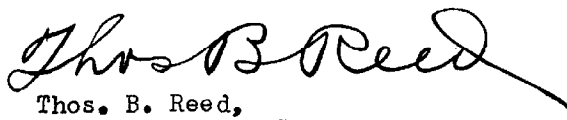
| DATE | DAY & VOL. NO. | POSITIONS | TIME | AREA OR STAFF | GRAPH NO. |
|---------|----------------|------------|----------------------|--------------------------|-----------|
| June 10 | a - 1 | 1 to 28 | 14:59:00 | Four Island Bayou | 60 |
| | | | to | | |
| | | 29 to 51 | 15:48:20 15:48:40 | Dog Lake | |
| June 10 | a - 1 | 52 to 73 | 16:27:20 16:27:40 | Misale Bay | 60 |
| | | | to | | |
| | | | 17:10:40 | | |
| June 11 | b - 1 | 1 to 54 | 9:02:20 | Misale Bay | 60 |
| | | | to | | |
| | | 55 to 120 | 10:53:00 10:53:20 | Misale plus 1 hr. | |
| | | 121 to 189 | 14:00:20 14:33:00 | Misale Bay | |
| June 12 | c - 1&2 | 1 to 109 | 8:38:20 | Misale Bay | 60 |
| | | | to | | |
| June 13 | d - 2 | 1 to 135 | 15:41:00 | | 60 |
| | | | to | | |
| June 14 | e - 2 | 1 to 98 | 8:49:00 | Misale Bay | 61 |
| | | | to | | |
| June 14 | e - 2 | 1 to 98 | 15:25:20 | | 61 |
| | | | to | | |
| July 8 | f - 2&3 | 1 to 36 | 9:40:40 | Misale Bay | 61 |
| | | | to | | |
| July 8 | f - 2&3 | 1 to 36 | 12:10:00 | | 61 |
| | | | to | | |
| July 11 | a - 7 | 1 to 11 | 10:05:00 | Dog Lake | 61 |
| | | | to | | |
| July 11 | a - 7 | 1 to 11 | 12:48:20 | | 61 |
| | | | to | | |
| July 11 | a - 7 | 1 to 11 | 8:08:00 | Sister Lake | 61 |
| | | | to | | |
| July 11 | a - 7 | 12 to 18 | 8:35:00 | | 61 |
| | | | to | | |
| July 11 | a - 7 | 12 to 18 | 8:35:20 | Raccoon Point plus 1 hr. | 61 |
| | | | to | - 0.3' range | |
| July 11 | a - 7 | 12 to 18 | 8:51:40 | | 61 |
| | | | to | | |
| July 12 | b - 7 | 1 to 13 | 8:02:40 | Sister Lake | 61 |
| | | | to | | |
| July 12 | b - 7 | 1 to 13 | 8:32:00 | | 61 |
| | | | to | | |
| July 12 | b - 7 | 14 to 20 | 8:32:20 | Raccoon Point plus 1 hr. | 61 |
| | | | to | -0.3' range | |
| July 12 | b - 7 | 14 to 20 | 8:46:40 | | 61 |
| | | | to | | |

(3)

CONNECTION WITH OTHER SURVEYS:

This sheet joins on the north with Sheet No. 3, on the south with Sheet No. 1 and on the east with surveys of W. D. Patterson, 1934. ✓

Respectfully submitted,



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

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5538 (1934)

Northeast of Caillou Bay, Gulf of Mexico, Louisiana
Instructions dated October 27 and November 22 (L. C. Wilder)
Surveyed in 1934

Hand Lead and Pole Soundings

3 Point Control on Shore Signals

Chief of Party - T. B. Reed.
Surveyed by - J. C. Tribble, J. F. McIlwain.
Protracted and Soundings Plotted by - T. F. Donlon.
Verified and Inked by - C. S. Lightbown.

1. Condition of Records.

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

2. Compliance with Instructions for the Project.

The plan, character and extent of the survey satisfy the instructions for the project. The survey should have included the completion of Grand Bayou De Large in the vicinity of Longitude 90°58'. A boat sheet has been prepared and sent to the field for the additional work required. *Accomplished as Additional Work (1935).*

3. Sounding Line Crossings.

Such cross lines as were run or result from the work are satisfactory.

4. Depth Curves.

The usual depth curves may be satisfactorily drawn.

5. Junctions with Contemporary Surveys.

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

b. The junctions with H-5537 (1934) and H-5481 (1934) are satisfactory with the exception of the latter survey in Lat. 29°14.1', Long. 90°41.1', where a line of 3 foot soundings from H-5481 (1934) were run across a line of $\frac{1}{2}$ and $1\frac{1}{2}$ foot soundings on the present survey. No reason for the discrepancy could be deduced in the office. For charting purposes, preference should be given to soundings on H-5538 (1934) as they were obtained at the later date.

c. The western limit of H-5538 (1934) represents the limit of the present project.

6. Comparison with Prior Surveys.

H-2016 (1890).

A study of the above survey shows that the shoreline in Caillou Bay has receded northward by from 150 to 230 M. Considerable change in depth has also occurred at the mouth of the two streams on the north. However, in the main portion of Caillou Bay, soundings of the 1890 survey vary from $\frac{1}{2}$ to 1 foot deeper than those of the new survey.

7. Comparison with Chart No. 198.

a. Soundings shown on the above chart originate with the survey discussed in the foregoing paragraph and need no further consideration in this review.

b. Fixed Aids to Navigation.

The light located on the present survey by triangulation in Lat. $29^{\circ}10.4'$, Long. $90^{\circ}57.0'$ is shown 230 M. northward of its present charted position. The charted position originates with LHN to M No. 50 (1926) and was spotted in relation to the shoreline which shoreline differs in geographic position from the shoreline on the present survey and accounts for the discrepancy in the location of the light.

8. Field Plotting.

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

9. Additional Field Work Recommended.

Other than that noted in Par. 2, this review, no additional field work is required.


10. Superseding Previous Surveys.


Within the area covered, H-5538 (1934) supersedes the following survey for charting purposes:


H-2016 (1890) In part.


11. Reviewed by - Harold W. Murray and R. L. Johnston, Jan. 5, 1935.

Examined and approved:

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


Chief, Section of Field Work.


Chief, Division of Charts.


Chief, Division of H. & T.

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. 5538

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

| | |
|--|--------|
| Number of positions on sheet | 2167. |
| Number of positions checked | 103. |
| Number of positions revised | 2.. |
| Number of soundings recorded | 1184.3 |
| Number of soundings revised | 24. |
| Number of signals erroneously plotted or transferred | 0.. |

Date: JAN. 8 - 1935

Cartographer: C. STANLEY LIGHTBOWN

Verification of plotting
Verification & taking of rocks and shoals) by

Time:

Verification of taking by C. STANLEY LIGHTBOWN

Time: 78 hrs

Review by

H. W. MURRAY
R. L. Johnston

Time: 10 "

17 3/4 "

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. _____

REGISTER NO. 5538 Add'l Work

State Louisiana

General locality Gulf of Mexico

Locality Grand Bayou de Large

Scale 1:20,000 Date of survey April-May 1935

Vessel Field Party No. 4

Chief of Party Thos. B. Reed

Surveyed by J.C. Tribble

Protracted by P.H. Scherr

Soundings penciled by "

Soundings in ~~#####~~ feet

Plane of reference M.L.W.

Subdivision of wire dragged areas by _____

Inked by P.H. Scherr

Verified by "

Instructions dated Jan 19, 1935, 192

Remarks: Title sheet prepared in the office from data on B.S.

SECTION OF FIELD RECORDS

Verification Report on Additional Work on H. 5538.

No report or title sheet was sent in with the boat sheet. Necessary statistics concerning the Chief of Party, Surveyor, and date are found on the boat sheet. A title sheet was made in the office.

The records conform to the requirements of the General Instructions.

As one of the signals used, triangulation station "ST. MARTIN 1927 - 1934," falls off the smooth sheet, the protracting of the work was checked on the boat sheet. The positions were transferred to the smooth sheet and the soundings were plotted and inked in red. The depth curves were adjusted.

A reef, the high point of which bares at M.L.~~W.~~ W., was established by this party at latitude $29^{\circ}11'.8$, longitude $90^{\circ}57'.6$. Several deeper soundings of the 1934 work were deleted here, which appear on the accompanying tracing in green. *Inspected - tracing destroyed. J.H.S.*

Position 30, K day, Page 24 of the Record, plots a $\frac{1}{2}$ ft. sounding in the channel at latitude $29^{\circ}11'.9$; longitude $90^{\circ}58'.1$. The soundings on line 29 - 30, K day also show disagreement with cross lines. It is our belief that this position as recorded is in error. A one degree change in the right angle to $48^{\circ}43'$ places the position closer to the shore line. The line was not plotted pending review. *Change accepted - Improves agreement with depth, Tides & Currents. J.H.S.*

Respectfully submitted - P. H. Scherr,
June 12, 1935.

J. H. Scherr.

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. ..5538 Add'l WK.

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

| | |
|--|---|
| Number of positions on sheet | !!! |
| Number of positions checked | on boat sheet 34 (see report.) |
| Number of positions revised | ! |
| Number of soundings recorded | 522 |
| Number of soundings revised | ✓ |
| Number of signals erroneously plotted or transferred | ✓ |

Date: June 12, 1935
Plotting and Verification by P. H. Scherr
Review by H. W. Murray

Time: 14 1/2 hrs.
Time: 1 1/2 "

LAC

Form 718
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Ed. Feb. 1935

TIDE NOTE FOR HYDROGRAPHIC SHEET

May 27, 1935.

Division of Hydrography and Topography:

✓ Division of Charts: Attention Mr. E. P. Ellis

Tide Reducers are approved in
1 volume/s of sounding records for

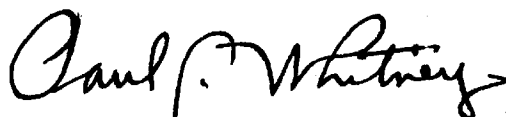
HYDROGRAPHIC SHEET 5538 (Additional work)

Locality Grand Bayou de Large, Coast of Louisiana

Chief of Party: T. B. Reed in 1935
Plane of reference is mean low water reading
1.4 ft. on tide staff at Eugene Island
4.2 ft. below B.M. 1

Height of mean high water above plane of reference is 1.3 feet

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5538 (ADD'L WORK, 1935)

Grand Bayou de Large, Northeast of Caillou Bay, Louisiana
Surveyed in 1935

Instructions dated January 19, 1935 (T. B. Reed)

Hand Lead and Pole Soundings.

3 Point Fixes on Shore Signals.

Chief of Party - T. B. Reed.
Surveyed by - J. C. Tribble.
Protracted by - P. H. Scherr.
Soundings penciled by - P. H. Scherr.
Verified and Inked by - P. H. Scherr.

1. Purpose of Survey.

The purpose of this additional work was to complete the unsurveyed portion of Grand Bayou de Large, which work was called for in paragraph 2 of the review of the original work (H-5538, 1934).

2. Results of Survey.

The additional work accomplished is shown on the original survey in red, and is excellent in character and adequately covers the area involved. However, the 12 foot sounding of the 1934 work falling in depths of 17 to 22 feet in lat. $29^{\circ}11.9'$, long. $90^{\circ}57.9'$, and which appears to be a leadsman's error, should have been further investigated. A 21 foot sounding (not plotted) of the 1935 work was obtained directly over the 12, but in view of the general shoaling in this area, it was not considered advisable to reject the 12, and it has been retained on the present survey.

3. Reviewed by - Harold W. Murray, June 14, 1935.

Inspected by - A. L. Shalowitz.

Examined and approved:

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

L. O. Tolbut
Chief, Division of Charts.

T. B. Gordon
Chief, Section of Field Work.

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

Approved to Chart 1050 May 1937
" " " 12-75 May '37

Chas P. Bunker
J.S.D.