

5495

U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton Director

State: Louisiana

DESRIPTIVE REPORT

Topographic } Sheet No. 6 5495
Hydrographic }

LOCALITY

Mississippi Delta

Chaland Pass to Baytiste Bay

1934

CHIEF OF PARTY

Thos. B. Reed

5495

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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AUG 14 1934
Acc. No. _____

REG. NO. 5495

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. 6

REGISTER NO. 5495

State Louisiana

General locality Mississippi Delta

Locality Chaland Pass to Baptiste Bay

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 E. E. Mumaw

Soundings penciled by E. E. Mumaw

Soundings in ~~fathoms~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by _____

Inked by Wallace A. Bruder

Verified by Wallace A. Bruder

Instructions dated October 27, November 22, 1933

Remarks: _____

Note: For Landmarks, Lights & Beacons see Chart Letter No. 560(1934)

DESCRIPTIVE REPORT
to accompany

Hydrographic Sheet No. 6, Eastward from Barataria Bay.

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 18, 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 were compiled, which 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. It is believed that no changes of any importance have taken place in the shore line of the inside waters of this region in the two years since the photographs were taken.

The line of soundings in Lake Grand Ecaille between positions 22c and 25c was run close alongside a line of stakes marking the channel. Boats following the same course, along these stakes have gradually dredged out a deeper channel in the soft mud bottom.

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 vicinity of the Freeport Sulphur Co. on Lake Grand Ecaille, the region is very sparsely populated. There is considerable navigation through the Freeport Canal. Other water areas on the sheet are navigated by shallow draft oyster and fishing boats, and in the winter season by muskrat trappers.

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: Rattlesnake Bayou, Freeport Canal, Lake Washington, Bay Naught, Catherine Bayou, Short Way Bayou, Billet Bay, Robinson Bay, and Garden Bay.

Respectfully submitted,



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

TIDAL AREAS
for
HYDROGRAPHIC SHEET NO. 6

YEAR
1934

DATE	DAY & VOL. NO.	NO. POSITIONS	TIME	TIDE STAFF OR GAGE	GRAPH NO.
April 18	a - 1	1 - 10	15:46:40 to 16:08:40	Quatre	33
April 19	a - 1	1 - 137	9:02:00 to 17:44:20	Quatre	33
	a' - 4	1 - 95	11:25:40 to 16:41:00	Rattlesnake Bayou	33
April 20	b - 4	1 - 125	9:18:20 to 16:48:00	Rattlesnake	33
April 21	b - 1	1 - 23	8:47:00 to 9:39:40	Quatre	33
	c - 4 + 5	1 - 80	9:01:00 to 16:13:20	Rattlesnake	33
April 22	d - 5	1 - 49	14:50:40 to 17:07:40	Quatre	34
April 23	e - 5	1 - 19	14:11:00 to 16:07:00	Batiste	34
April 24	c - 1	1 - 105	8:08:20 to 13:04:00	Quatre	34
	f - 5	1 - 155	9:29:40 to 17:26:40	Batiste	34
April 26	d - 1 + 2	1 - 123	9:04:40 to 14:39:40	Quatre	34
April 27	e - 2	1 - 23	8:26:20 to 9:22:00	Quatre	35
	g - 6	1 - 18	13:51:30 to 15:38:00	Rattlesnake from Barataria L. H.	35

TIDAL AREAS
for
HYDROGRAPHIC SHEET NO. 6 (cont.)

YEAR
1934

DATE	DAY & VOL. NO.	NO POSITIONS	TIME	TIDE STAFF OR GAGE	GRAPH NO.
May 11	f - 2+3	1 - 210	9:08:20 to 16:50:20	Bay Naught	35
May 12	g - 3	1 - 16	8:24:40 ^{49:40} to 9:53:20	Bay Naught	35
		17 - 59	10:01:20 to 12:00:50	Rattlesnake from Barataria L. H.	
		60 - 132	12:12:40 to 16:19:00	Bay Naught	
		133 - 156	16:19:40 to 17:03:20	Quatre Bayou Pass	
May 16	h - 3	1 - 41	12:03:00 to 13:06:40	Quatre Bayou Pass	35
		42 - 63	13:11:40 to 13:45:00	Bay Naught	
	h - 6	1 - 28	11:16:40 ^{15:40} to 12:05:05	Rattlesnake	35

STATISTICS FOR
HYDROGRAPHIC SHEET NUMBER 6.

YEAR
1934

DATE	DAY LETTER	VOL. NO.	STAT. MI. SOUNDING LINES	NO. SOUNDINGS	NO. POSITIONS.
Apr. 14	a	1	2.5	67	10
Apr. 19	a	1	30.6	951	137
Apr. 21	b	1	4.7	131	23
Apr. 24	c	1	12.0	436	105
Apr. 26	d	1 & 2	23.0	814	123
Apr. 27	e	2	4.0	139	23
May 11	f	2 & 3	36.0	1192	210
May 12	g	3	22.5	752	156
May 16	h	3	6.4	210	63
April 19	a'	4	26.0	590	95
Apr. 20	b	4	25.4	939	125
Apr. 21	c	4 & 5	15.7	494	80
Apr? 22	d	5	11.1	313	49
Apr. 23	e	5	3.9	105	19
Apr. 24	f	5	32.5	886	155
Apr. 27	g	6	6.2	112	24
May 16	h	6	5.2	139	28
TOTALS			267.7	8270	1425

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. *H5495*

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

Number of positions on sheet	<i>1425</i>
Number of positions checked	<i>70</i>
Number of positions revised	<i>4</i>
Number of soundings recorded	<i>8270</i>
Number of soundings revised	<i>32</i>
Number of signals erroneously plotted or transferred	<i>0</i>

Date: *Nov. 1, 1934*

Cartographer: *Wallace A. Bruder*

Verification of plotting	} <i>Wallace A. Bruder</i>	Time	<i>18 hrs.</i>
Verification & taking of notes and checks		Time	<i>52 hrs.</i>
& Verification of taking by	<i>Wallace A. Bruder</i>	Time	<i>9 1/2</i>
Review by	<i>H. W. MURPHY</i>		

LAC

Sept. 7, 1934

Division of Hydrography and Topography:

✓ Division of Charts:

Tide Reducers are approved in
6 volumes of sounding records for

HYDROGRAPHIC SHEET 5495

Locality Chaland Pass to  Batiste Bay, Louisiana Coast

Chief of Party: T. B. Reed in 1934

Plane of reference is mean low water reading

2.8 ft. on tide staff at Quatre Bayoux Pass

2.6 ft. below B. M. 1

2.2 ft. on tide staff at Bay Naught

1.4 ft. below B. M. 1

2.2 ft. on tide staff at Rattlesnake Bayou

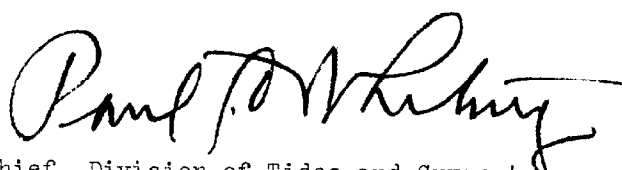
2.2 ft. below B. M. 1

2.8 ft. on tide staff at Bay Batiste.

2.0 ft. below B. M. 1

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

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents

GEOGRAPHIC NAMES

Survey No. H 5495
 T 5310, 5311, 5318 + 5432
 Chart No. 1116 & 196
 1271

Date. Oct 31, 1934

Diagram No. 1116

Names underlined in red approved Nov. 3, 1934

- * Approved by the Division of Geographic Names, Department of Interior. *H. Bacon*
- † Not Approved by the Division of Geographic Names, Department of Interior. *Bay Batiste and Pipe Bay which were held up for further consideration are approved Dec 24, 1934. H.B.*
- R, Referred to the Division of Geographic Names, Department of Interior. *Bayou Vacherie added H.B. Bayou Dulac " " H.B.*

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Bay Batiste</u>	Batiste Bay (196) + Cambrie <u>Baptiste Bay (1116)</u> + Baptist	-	-	φ 29° 28.0' λ 89° 50.5'
✓	<u>Bayou Dulac</u> Dec 24, 34 (one word)	Same	-	-	φ 28.0' λ 46.0'
✓	<u>Bay San Bois</u>	Same	-	-	φ 23.0' λ 49.0'
✓	<u>Lake Grande Ecaille</u>	Same	-	-	φ 20.0' λ 51.5'
✓	<u>Bay Renquille</u>	Renquille Bay	-	-	φ 18.5' λ 51.0'
✓	Same	<u>Quatre Bayoux Pass</u>	-	-	φ 18.5' λ 44.5'
✓	<u>Pass Chaland</u> Trumbull	<u>Bayou chalaud</u> This name is from French "Chaland" = lighter or barge	-	-	φ 18.9' λ 47.0'
✓	<u>Bayou Chaland</u>	Same	-	-	φ 20.0' λ 45.0'
✓	<u>Bay La Mer</u>	Same	-	-	φ 20.4' λ 44.2'
	<u>Pipe Bay</u> accept as a local name	None	-	-	φ 21.5' λ 45.0'
✓	<u>Garden Bay</u>	"	Garden Bay	See Desc. Rept.	φ 23.0' λ 44.0'
✓	<u>Robinson Bay</u>	"	Robinson Bay	See Desc. Rept.	25.0' 43.5'
✓	<u>Robinson Bayou</u>	Robinson Bayou	Bay Naught	See Desc. Rept.	26.0' 46.1
✓	<u>Bay Naught</u> change to None Lake Washington	None	-	-	24.0' 46.0
✓	<u>Bayou Cheniere</u>	Same	-	-	25.0 45.0
✓	<u>Rattlesnake Bayou</u>	None erase name	Rattlesnake Bayou	See Desc. Rept.	19.2 47.0
✓	<u>Rattlesnake Bayou</u>	"	"	" " " "	19.8 48.2
✓	<u>Freeport Canal</u>	"	-	See Desc. Rept.	19.1 49.8
✓	<u>Bayou Vacherie</u> Grand Bayou	Chart 1271 & USGS	29° 24' - 89° 43.5	-	18.5 52.0
✓	<u>Bayou La Mer</u>	Same	-	-	21.5 45.7
✓	<u>Bay Long</u>	Same	-	-	17.0 47.0
✓	<u>Bay Cheniere Renquille</u>	Same	-	-	28° 24.7 - 44.5
✓	<u>Bay Dispute</u>	Same	-	-	29° 23' - 89° 45.2
✓	<u>Billet Bay</u>	None	Billet Bay	See Desc. Rept.	29° 24.3 89° 42.000
✓	<u>Gulf of Mexico</u>	Same	-	-	
✓	<u>Lake Washington</u>	None	Lake Washington	See Desc. Rept.	
✓	<u>Catherine Bayou</u>	"	Catherine Bayou	See Desc. Rept.	
✓	<u>Short Way Bayou</u>	"	Short Way Bayou	See Desc. Rept.	

Verification

Report on Sheet No. H-5495.

Chief of Party--T.B. Reed.
Protracted by--E.E. Mumaw.
Verified and inked by--W.A. Bruder.
Surveyed in April and May, 1934.
Surveyed by J.C. Tribble, J.F. McIlwain.

1. The records conform to the requirements of the General Instructions. *As per note in the report.*
2. Whenever possible the usual depth curves were completely drawn. ✓
3. The field plotting was complete to the extent prescribed in the General Instructions with the exception of the following omissions:
Lat. 29°25.7' ----Small western branch of Rattlesnake Bayou shown on boat Long. 89 46.5'----sheet was not plotted on the hydrographic sheet. It has been inked in by the verifier using the ^{boat sheet} ~~boat~~ sheet as authority. *Aerial Topo*
Lat. 29°29.3'-----Mouth of canal S.E. of 22h has been inked by verifier Long. 89 44.0'-----as per ^{note in} sounding records. & aerial topo. sheet ✓
4. Throughout the whole sheet I occasionally selected different soundings or corrected those penciled by the field draftsman. ✓
5. H-5493 is the only satisfactory and complete overlap. The three remaining adjacent sheets have not been completed. ✓

6. Remarks--

- Lat. 29°24.5' Positions 1-14f extend east beyond the limits of the boat Long. 89°41.8' sheet and hence have not been plotted on it. ✓
- Lat. 29°21.9' Pos. 128f-135f: sounding remarks="Running down staked channel. Long. 89°44.9' ~~The stakes are not shown on hydrographic or boat sheet.~~ "Row of Stakes" ~~symbol~~ is now shown on hydrographic sheet. *Note*
- Lat. 29°19.7' Pos. 158, 160, and 162f indicate the probability of the shore- Long. 89°46.0 line being 25 meters too far south. The shoreline was moved north using aerial topo. as authority ✓
- Lat. 29°22.5' Pos. 198f sounding remarks="running staked channels in bayou". Long. 89°45.2' ~~The stakes are not shown on the sheet nor B.S. as the exact limits are not known - X-ray~~
- Lat. 29°18.2' Position 13h Sounding remarks call for sand bar 10 Meters to Long. 89°43.6' West. Not shown on aerial topo, but the verifier has inked sand bar on hydrographic sheet
- Lat. 29°24.0' Pos. 22C Staked channel line. Stakes not shown. "Row of Stakes" Long. 89°47.0' ~~symbol~~ ^{Note} is now shown on hydrographic sheet ✓
- △ FLEUR 1934
- Lat. 29°27.8' ⊙ FLE was used in locating positions; but is ^{was} now erased. The Long. 89°53.2' present red dot checks with the previously located positions. ✓
The verifier has inked △ FLEUR 1934 on the hydrographic sheet.
- Lat. 29°27.2' "h" day is not plotted on boat sheet. *Single line of day in narrow slough. Air photos not available in the field, make incomplete control for plotting purposes - X-ray.*
- Lat. 29°18.5' The verifier has changed all black dashed lines to the usual black Long. 89°44.2' dotted line for low water line, by order of the air photos division. ✓
- Lat. 29°19.0' No soundings appear in Bay La Mer. ✓ *mentioned in review - X-ray*

Nov. 1, 1934.

Respectfully submitted,
Wallace A. Bruder
Wallace A. Bruder.

Revisions in Green
Jan. 19, 1935
W.A.B.

Section of Field Records.

REVIEW OF HYDROGRAPHIC SURVEY NO. 5495 (1934)

Chaland Pass to Baptiste Bay, La.
Instructions dated October 27 and November 22, 1933 (L.C. Wilder)
Surveyed in 1934

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

Chief of Party - Thos. B. Reed.
Surveyed by - J. C. Tribble, J. F. McIlwain
Protracted and soundings penciled by - E. E. Mumaw.
Verified and inked by - W. A. Bruder.

1. Condition of Records.

The records are neat, legible and conform to the requirements of the Hydrographic Manual with the exception that the distortion on this sheet is 5.5 meters per thousand in longitude which is considerably greater than that usually encountered on this type of paper.

2. Compliance with Instructions for the Project.

The plan, character and extent of the survey satisfy the instructions for the project except that it would have been desirable if a more complete development had been made of the westernmost entrance at Chaland Pass. It is assumed that the lack of development in Bay La Mer and in the easternmost entrance to Bay Cheniere Ronville is due to depths too shoal for sounding.

*cheniere
quills*

3. Sounding Line Crossings.

Such cross lines as were run are in very good agreement with the main system of lines.

4. Depth Curves.

Considering the character of the area surveyed, the usual depth curves may be satisfactorily drawn.

5. Junction with Contemporary Surveys.

The junction with H-5493(1934) is satisfactory.
The junction with H-5496(1934), H-5494(1934) and H-5492(1933-34) will be considered in the reviews of those surveys.

6. Comparison with Prior Surveys.

The only prior survey made in this area is H-1546(1883) which covers the southwestern portion of the present survey. Comparison of soundings with H-5495(1934) shows little or no changes in depth with the exception of the vicinity of QUATRE BAYOU PASS where considerable shoaling has occurred in some spots and deepening in others. In addition numerous changes of as much as 100 meters are noted in the shoreline.

7. Comparison with Charts Nos. 196 and 1271.

a. 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.

b. Fixed Aids to Navigation.

The light at QUATRE BAYOU PASS was located on the present survey about 320 m. northeastward of the charted position. The charted position originates with L.H.N. to M. No. 41(1923) and was located by approximate latitude and longitude to the nearest second from a spotted position on a section of a chart submitted to the Lighthouse Bureau. The light at FOUR BAYOU CUTOFF 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.

Except as noted in paragraph 2 of this review, this survey is complete. No additional field work is recommended.

10. Superseding Previous Surveys.

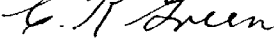
Within the area covered, H-5495(1934) supersedes the following survey for charting purposes:


H-1546(1883) in part.


11. Reviewed by - Harold W. Murray, December 5, 1934.


Inspected by - A. L. Shalowitz.

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.

applied to chart 1272 - Nov 1935. St. J. Gamble

~~NEW~~ Chart 11365A July Applied 3/82 TWA
(New chart construction)