

5497

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

DESCRIPTIVE REPORT

Topographic } Sheet No. 8 5497
Hydrographic }

LOCALITY

Mississippi Delta

East of Bastian Pass

1934

CHIEF OF PARTY

Thos. B. Reed

5497

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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REG. NO. 5497

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. 8

REGISTER NO. 5497

State Louisiana ✓

General locality Mississippi Delta ✓

Locality East of Bastian Pass ✓

Scale 1:20,000 ✓ Date of survey Apr. 28 to May 15, 1934 ✓

Vessel Field Party No. 4.

Chief of Party Thos. B. Reed ✓

Surveyed by J. F. Mollwain

Protracted by T. F. Donlon, 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 J. M. McQueen

Verified by J. M. M.

Instructions dated October 27, November 22, 1933

Remarks:

J. W. W. 11/3/92

DESCRIPTIVE REPORT
to accompany

Hydrographic Sheet No. 8, Pelican Island to Eastern limit Chart 1273.

Barataria Bay, Louisiana. Field Party No. 4.

Thos. B. Reed, Chief of Party.

DATE OF INSTRUCTIONS: October 27, 1933, Nov. 22, 1933.

DATE OF SURVEY: April 28 to May 15, 1934.

SURVEY METHODS:

This survey was made by the usual launch hydrographic methods, using chartered launches. Soundings up to about 2 fathoms were taken with a sounding pole marked to feet and deeper soundings were taken with a standard lead line.

DISCREPANCIES:

Positions 63 a to 65a were noted by the hydrographic party as doubtful but seemed to plot fairly well in smooth plotting. The line 51a to 74a was run down the eastern limit of the work to determine if a junction could be obtained with soundings on chart No. 1272. All changes of objects or angles by the smooth plotter are shown in the sounding records in red pencil.

*The new work can be raised in 4 ft. existing work on chart 1272
A. L. S.*

DANGERS:

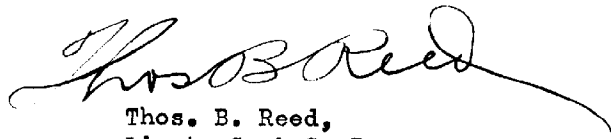
There are no dangers to navigation in the area covered by this sheet. The wreck of a schooner with the mast showing 20 feet above high water lies in 2 feet of water about 600 meters south of the entrance to Bayou Scofield.

COMPARISON WITH PREVIOUS SURVEYS:

Soundings on this sheet are considerably deeper than those shown on Chart No. 196. The one and three fathom curves agree almost exactly at the extreme western limit of Chart No. 1272 and the two fathom curve agrees within one foot. This was considered a satisfactory junction with Chart No. 1272, and in accordance with the Director's telegram of April 17th the hydrography was not carried to the eastward of this point.

See Revised

Respectfully submitted,



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

SOUNDING AREAS
for
HYDROGRAPHIC SHEET NO.8

YEAR

1934

| DATE | DAY & VOL. NO. | NO. POSITIONS | TIME | TIDE STAFF OR GAGE | GRAPH NO. |
|----------|----------------|---------------|---|-----------------------|--------------|
| April 28 | a - 1 | 1 - 88 | 11:17:40 To 16:52:20 | Barataria L.H. | 39 |
| May 11 | b - 1 | 1 - 28 | 14:45:40 To 16:25:00 | Barataria L.H. | 39 |
| May 12 | c - 1 + 2 | 1 - 111 | 9:48:40 To 16:42:40 | Barataria L.H. | 39 |
| May 14 | d - 2 | 1 - 122 | 10:25:00 To ^{36:70} 17:22:00 | Barataria L.H. | 39 |
| May 15 | e - 2 | 1 - 64 | 13:14:40 To 16:29:40 | Barataria L.H. | 40 |

STATISTICS FOR
HYDROGRAPHIC SHEET NUMBER 8

YEAR
1934

| DATE | DAY LETTER | VOL. NO. | STATUTE MI. SOUNDING LINES | NO. SOUNDINGS | NO. POSITIONS |
|---------|---------------|----------|----------------------------------|---------------|---------------|
| Apr. 28 | a | 1 | 27.5 | 656 | 88 |
| May 11 | b | 1 | 11.2 | 220 | 28 |
| May 12 | c | 1&2 | 37.3 | 913 | 111 |
| May 14 | d | 2 | 45.5 | 982 | 122 |
| May 15 | e | 2 | 24.1 | 457 | 64 |
| TOTAL | | | 145.6 | 3228 | 413 |

AREA IN SQUARE STATUTE MILES: 21

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. 5497

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

| | | |
|--|-------|------|
| Number of positions on sheet | | 413 |
| Number of positions checked | | 7 |
| Number of positions revised | | 0 |
| Number of soundings recorded | | 3228 |
| Number of soundings revised | | 0 |
| Number of signals erroneously plotted or transferred | | 0 |

Date: *September 24, 1934*

Cartographer: *James M. McQueen Sr.*

| | | |
|--|---------------------------|---------------|
| Verification of protracting |) by <i>J. M. McQueen</i> | Time: 6 hrs. |
| Verification & inking of rocks and shoals) | | |
| Verification ^{and} of inking by | <i>J. M. McQueen</i> | Time: 16 hrs. |
| Review by | <i>Harold W. Murray</i> | Time: 7 " |

LCC

Sept. 7, 1934.

Division of Hydrography and Topography:

✓ Division of Charts:

Tide Reducers are approved in
2 volumes of sounding records for

HYDROGRAPHIC SHEET 5497

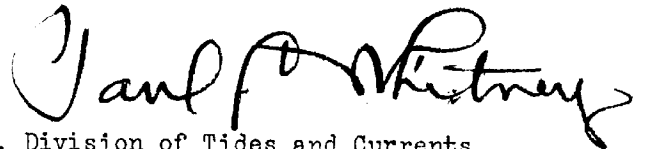
Locality East of Bastian Pass, Coast of Louisiana

Chief of Party: Thos. B. Reed

Plane of reference is mean low water reading
5.0 ft. on tide staff at Barataria Bay Light
11.0 ft. below B. M. 2

Height of mean high water above plane of reference is 1.2 ft.

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents

Verification Report H. 5497

September 24, 1934.

The soundings recorded were neat and legible and conform to the general instructions^x except that they were made a little smaller than called for in the hydrographic manual. Bottom characteristics were taken at frequent and uniform intervals. * ^{except as noted in the review.}

The 6, 12 and 18 foot depth curves could be completely drawn.

Field plotting was very complete with exceptionally few mistakes or omissions.

Position number 44 d was incorrectly numbered.

Low water line was omitted between stations BUL and Bayou Scofield, because it was not shown on T-6079

The sheet was compared with the boat sheet and checked very ^{closely.} ~~carefully.~~

A number of positions were protracted and these also ^{checked.} ~~charted.~~

Sheets H. 5496 and H. 5493 which formed the overlap on the west side of sheet have not been verified. No ^{current} surveys have ~~ever~~ been made joining the east side of the sheet.

Practically all lines were run parallel to the shore with no cross lines. However the lines were close with frequent soundings which gave a very complete survey.

Submitted by- J. M. McQueen, Jr.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5497 (1934)

East of Bastian Pass, Mississippi Delta, Louisiana.
Instructions dated October 27, 1933 (L. C. Wilder).
November 2, 1933 (Natoma).

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

Chief of Party - Thos. B. Reed.
Surveyed by - J. F. McIlwain.
Protracted by - T. F. Donlon and H. L. Proffitt.
Soundings penciled by - H. L. Proffitt.
Verified and inked by - J. M. McQueen.

1. Condition of records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual except as follows:

- a. Latitude and longitude values were not noted at the beginning and ending of each day's work (Par. 75a).

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.

No cross lines were run. The single cross line at the eastern limits of the sheet is in good agreement with the main system of lines.

4. Depth Curves.

The usual depth curves may be satisfactorily drawn.

5. Junction with Contemporary Surveys.

The junctions on the north at the entrance to Bayou Scofield with H-5496 (1934) and on the west with H-5493 (1934) will be considered when those sheets are reviewed.

No further field work to the eastward or southward is contemplated at this time.

6. Comparison with Prior Surveys.

a. H-1765 (1886)

Soundings of this survey vary from 1 to 2 feet shoaler than those of H-5497 (1934).

b. H-1766 (1886)

Soundings of this survey vary from 1 to 4 feet shoaler than those of H-5497 (1934) with the greater differences being in the general vicinity of latitude 29°13', longitude 89°36'.

7. Comparison with Charts Nos. 196 and 1272.

Aside from matters investigated in Paragraph 6 above there are no additional items on the above charts that need consideration in the review.

8. Field Plotting.

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

9. Additional Field Work Recommended.

Within its limits this survey is complete, and no additional field work is necessary.

10. Superseding Old Surveys.


Within the area covered, the present survey (H-5497-1934) supersedes the following surveys for charting purposes:

H-1765 (1886) In part.
H-1766 (1886) In part.


11. Reviewed by - Harold W. Murray, September 28, 1934.

Inspected by - A. L. Shalowitz.

Examined and approved:


K. T. Adams,
Chief, Section of Field Records.


Chief, Division of Charts.


Chief, Section of Field Work.


Chief, Division of H. & T.

Applied to new chart 11366

10-30-91 John Pierce