6315

6315

Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic } *Sheet No.* 23
Hydrographic

State Texas

LOCALITY

Gulf of Mexico

Choctaw Lake to Brown Cedar Cut

193 7

CHIEF OF PARTY

F. S. Borden

U. S. GOVERNMENT PRINTING OFFICE

Form 537
Ed. Dec., 1930

REG. NO.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. 23

REGISTER NO. H-6315

State TEXAS

General locality Gulf of Mexico

Locality Choctaw Lake to Brown Cedar Cut

Scale 1:20,000 Date of survey Sept. 24-Oct. 13, 1937

Vessel HYDROGRAPHER (Launch FARIS)

Chief of Party F. S. Borden

Surveyed by V. M. Gibbens and R. A. Gilmore

Protracted by Charles W. Clark

Soundings penciled by L. A. McGann

Soundings in ~~fathoms~~ feet

Plane of reference M.L.W.

Subdivision of wire dragged areas by

Inked by H. F. Stegman

Verified by H. F. Stegman

Instructions dated February 17, 19 37

Remarks: Plotted to 1/2 feet at critical points and at depth curve units

U. S. GOVERNMENT PRINTING OFFICE: 1931

DECRIPTIVE REPORT

To Accompany Hydrographic Sheet No. H-6315

INSTRUCTIONS -

This survey was made in accordance with the Director's instructions for Project No. 214 dated February 17, 1937.

GENERAL STATEMENT

This sheet is an inshore survey of the area between Choctaw Lake and Brown Cedar Cut, Texas. It adjoins the inshore survey H-6314 (1937) 1:20,000 and extends offshore to the vicinity of 30 foot depth curve. The general locality and limits of the survey, together with its relation to adjacent contemporary sheets is shown on a sketch included in the Descriptive Report of H-6305 (1937).

SURVEY METHODS

Sounding lines were run by the Launch Faris excepting one line close to the beach which was run by the launch's skiff with outboard motor attached. The launch (twin screw) was run on one engine while sounding, usually at a speed of approximately five knots.

Launch soundings were made with leadline, and skiff soundings were made with a sounding pole. Leadlines were tested at the beginning and end of each day's work. No corrections were found to be necessary.

All sounding lines were controlled by three point fixes on shore objects located by topography of the same reason or on recovered triangulation stations. Standard methods as outlined in the Hydrographic Manual were used throughout.

Tide reducers were entered to the nearest half foot. Soundings were plotted to the nearest foot except at depth curve units where they were plotted to the nearest half foot.

DISCREPANCIES

Sounding line crossings on this sheet are very good with discrepancies of one foot or less at most crossings. A maximum discrepancy of two feet was noted at Lat. 28° 41.7', Long. 95°42.2'.

DANGERS

There are no dangers in the area covered by this survey.

CHANNELS

There are no channels in the area covered by this survey.

GEOGRAPHIC NAMES

No new place names have been used on this sheet.

COMPARISONS WITH PREVIOUS SURVEYS

Comparison of this sheet with the April 1938 edition of Chart 1283 shows depths in general one to six feet deeper on the present survey. As this chart is based on surveys of 1856 and 1879 it is assumed that this discrepancy is caused by a change in depth.

Due to the transfer to other duties of the field officer detailed to plot this sheet it was forwarded to the office without a Descriptive Report and without soundings penciled on the smooth sheet. The penciling of soundings was accomplished in the office. The sheet was verified and inked by the writer of this report.

Respectfully submitted

Harold F. Stegman

Harold F. Stegman
(in office)

Approved

Chief, Field Records Section

STATISTICS

H-6315

Statute Miles of Sounding Lines	220
Number of Positions	843
Number of Soundings	4851

Field Records Section (Charts)

H6315

HYDROGRAPHIC SHEET NO. .....

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

Number of positions on sheet	843.
Number of positions checked	13.
Number of positions revised	None.
Number of soundings recorded	4851.
Number of soundings revised	14.
Number of signals erroneously plotted or transferred	None.

Date: October 25, 1938

Verification by H.F. Stelman Time: 5 days 2½ hours

Review by Harold W. Murray Time: 0 " 2½ "

HYDROGRAPHIC SURVEY NO. H-6315

Smooth Sheet Yes

Boat Sheet Yes

Records; Sounding 3 Vols., Wire Drag ___ Vols., Bomb ___ Vols.

Descriptive Report Not yet received (Oct. 18, 1938)

Title Sheet " " " " "

List of Signals Vol. #1

Landmarks for Charts (Form 567) None — See D.R., T-6611, T-6612 for discussion of landmarks

Statistics --

Approved by Chief of Party --

Recoverable Station Cards (Form 524) ---

Special Chart for Lighthouse Service ---- (Circular Nov.30, 1933)

Hydrography: Total Days 9 ; Last Date October 13, 1938

Remarks

2776

	Remarks	Decisions
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M 234		

GEOGRAPHIC NAMES

Survey No. H6315

Name on Survey	On Chart No. A,	On previous survey No. B,	On U. S. quadrangle Maps C,	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Gulf of Mexico										1
Choctaw Lake										2
Brown Cedar Cut										3
										4
										5
										6
										7
Names underlined in red approved										8
by L. Heck on 10/26/38										9
										10
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										27

M 234 1a

RAC

Form 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Ed. Feb. 1935

TIDE NOTE FOR HYDROGRAPHIC SHEET

September 8, 1938.

Division of Hydrography and Topography:

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

Plane of reference
~~Tide Reducers are~~ approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET 6315

Locality Choctaw Lake to Brown Cedar Cut, Gulf of Mexico, Texas coast.

Chief of Party: F. S. Borden in 1937
Plane of reference is mean low water reading
2.4 ft. on tide staff at South Jetty, Galveston Entrance
6.2 ft. below B.M. 2

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.

U. S. GOVERNMENT PRINTING OFFICE

FORM M-238

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTAT~~ ~~INDEX~~

No. H-6315

~~No. T~~

received July 19, 1938
registered August 29, 1938
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
20			
22			
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62			
63			
82			
83			
88			
90			

RETURN TO

82	T. B. Reed

Verification Report on H-6315 (1937)

Scale 1:20,000

Fieldwork: Sept 24 - Oct 13, 1937

Chief of Party: F. L. Borden

Surveyed by: V. M. Tibbens, R. A. Gilmore

Boat: Launch Faria and dinghy

H-6315 is an inshore survey between Choctaw Lake and Brown Cedar cut, Texas coast, and extends to the vicinity of the thirty foot curve.

Soundings were obtained with hand leadline from the Faria and with sounding pole from the dinghy, the latter being used in depths of 3 to 7 feet. Positions were obtained by three-point fixes on shore signals.

The shoreline and signals for this survey originate with graphic control sheets T-6611 and T-6612 (1937)

There was no descriptive report for this sheet at the time it was verified. The sheet had been sent from the field before the soundings and bottom characteristics were penciled, and this work was done in the office.

The field drafting and the penciling done on the sheet in the office were exact, accurate and complete.

Sounding line crossings were in good agreement. A maximum discrepancy of two feet was noted at ϕ 28° 41.7 λ 95° 42.2, but at most crossings the discrepancy was one foot or less.

Connection was made with H-6314 (1937) which joins the northeast limit of H-6315. Agreement between the two surveys was very good.

West of longitude 95° 37.5 the inshore line of soundings on this sheet was not obtained. This was probably due to lack of time for the work or to the sea being too rough for hydrography with the dinghy. Because of this holiday the one fathom could not be completely drawn west of longitude 95° 37.5

There are no dangers to navigation within the area of this sheet noted in the records. The only obstruction is the pipe near the low water line in λ 95° 39.4.

Respectfully submitted

Harold F. Stegman

Oct. 25, 1938

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6315 (1937) FIELD NO. 23

Choctaw Lake to Brown Cedar Cut, Gulf of Mexico, Texas
Surveyed in Sept. - Oct. 1938, Scale 1:20,000
Instructions dated Feb. 17, 1937 (HYDROGRAPHER)

Hand Lead and Pole Soundings. 3 Point fixes on shore signals.

Chief of Party - F. S. Borden
Surveyed by - V. M. Gibbens and R. A. Gilmore
Protracted by - Charles W. Clark
Soundings plotted by - L. A. McGann
Verified and inked by - H. F. Stegman

1. Condition of Records.

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

The Descriptive Report which was written in the office satisfactorily covers all items of importance.

2. Compliance with Instructions for the Project.

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

3. Shoreline and Signals.

The shoreline and signals originate with T-6611 (1937) and T-6612 (1937).

4. Sounding Line Crossings.

General agreement of sounding line crossings is within 1 foot or less.

5. Depth Curves.

The usual depth curves may be satisfactorily drawn. Only a portion of the 6 foot curve, however, was delineated between long. 95°37.5' and long. 95°44.1'.

6. Junctions with Contemporary Surveys.

a. The junction on the northeast with H-6314 (1937) is satisfactory.

b. The junctions on the south and southwestward will be considered when that work is received from the field.

7. Comparison with Prior Surveys.

a. H-539 (1856), Scale 1:20,000

This sparsely covered survey covers most of the present survey and contains no shoreline. The depths vary 1 to 6 feet shoaler than the present survey. The present survey should supersede the 1856 survey in the common area in future charting.

b. H-1427a (1879), Scale 1:40,000.

Several soundings from this sparsely covered survey fall just within the southwest limits of the present survey and consistently vary 1 to 3 feet shoaler. The shoreline shown on the old survey between long. 95° 42.9' and long. 95° 46.4' has receded 100 to 200 m. inland. BROWN CEDAR CUT shown on the present survey in long. 95° 41.6' is also subsequent to the 1879 survey. The present survey should supersede the old survey in the common area in future charting.

8. Comparison with Chart 1283 (New Print dated April 11, 1938).

Hydrography shown on the chart originates entirely with surveys discussed in previous paragraphs of this review and no further consideration is necessary.

9. Field Plotting.

Field protracting and plotting were exceptionally accurate. No soundings were plotted on the sheet by the field party, this portion of the work being done entirely in the office.

10. Additional Field Work Required.

This is an excellent survey and no additional field work is required.

11. Superseded Prior Surveys.

Within the area covered, the present survey supersedes the following surveys for charting purposes:

H- 539 (1856) in part
H-1427a(1879) in part

12. Reviewed by Harold W. Murray, October 29, 1938.

Inspected by J. A. McCormick,

Examined and approved:

Thos. B. Reed
Chief, Section of Field Records

K. T. Adams
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

G. Rude
Chief, Division of Hydrography and Topography.

Appeal # Ch. 1283 - April 1934 - D.L.D.