

4926

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	
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State: LOUISIANA	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. H
LOCALITY	
GULF COAST	
TIGER SHOAL AND MARSH ISLAND	
Shell Keys and Vicinity	
184	
CHIEF OF PARTY	
W. E. PARKER	

U. S. GOVERNMENT PRINTING OFFICE: 1928

4926

Applied to Chart 1051 - Aug. 1937 - Class. P. Bush J.
" " " 1277 Sept. 1937. J. S. S.

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. H

REGISTER NO. **4926**

State LOUISIANA

General locality GULF COAST

Locality Shell Keys and Vicinity
TIGER SHOAL AND MARSH ISLAND

Scale 1:20,000 Date of survey JUNE, 19 34

Vessel "HYDROGRAPHER"

Chief of party W. E. PARKER

Surveyed by GEORGE R. SHELTON

Inked by EVERETT E. MUMAW

Heights in feet above --- to ground to tops of trees

Contour, Approximate contour, Form line interval --- feet

Instructions dated December 17,, 19 32

Remarks: -----

DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET H

TIGER SHOAL AND MARSH ISLAND

AUTHORITY

The survey was made under the Director's Instructions dated December 17th, 1932.

LOCALITY AND LIMITS

The topography on this sheet extends from Triangulation Station LACROIX to a few hundred meters east of Triangulation Station COVE on Marsh Island. It joins Topographic Sheet G at about the 56' meridian. This sheet was executed by Lieut. (j.g.) George R. Shelton with the intention of completing it to the eastward during the 1935 season. Lieutenant Shelton did not ink in the sheet nor write a report on it. Some work was done on Shell Keys in Latitude $29^{\circ} 25'$ and Longitude $91^{\circ} 51'$ to $52'$ but it was not completed in the field. Other members of this party claim that later surveys showed a different location of the shell islands on these Keys. Hence they are dotted ~~⊕~~ *Have been made full* here. An insert locates a wreck just south of the south border of the sheet. ** This insert and wreck have been removed from sheet because of error in location. See Review H-5817 par. 11.*

CONTROL AND SURVEY METHODS

The control was the Second Order Triangulation executed in 1933. The usual methods were used, traverse and resection. The traverse was accomplished by the use of a 100 m. stranded wire. There were no traverse errors. The shoreline and intermediate points were located by rod readings from plane table set-ups. Apparently Station Shell was located by a three point fix and a traverse run across the Keys from here.

DESCRIPTION OF SHORE LINE

The shoreline is mostly fine shell and sand, in continuation from Sheet G. The dotted line shows the outer limit of the shell beach but no symbols were included as this is not definitely known. Notes on the sheet indicated some strips of shell inland and a margin of grass or swamp bordered by trees. Whether these trees were a fringe or of large extent was impossible to determine so these symbols were also omitted. Some oyster reefs were located off shore but no doubt there were others not located. Some cuts to breakers were not inked in as too indefinite. Station TRY was a group of three trees and LUM and VAT were also trees. The other signals are banners but as none are permanent there are no landmarks on this sheet or permanent points for geographic positions. However Geographic Positions of all the signals on this sheet were recorded in the office of the HYDROGRAPHER for use in plotting hydrographic sheets and for reference.

Respectfully submitted,

Everett E. Mumaw

Everett E. Mumaw, Surveyor,
Coast and Geodetic Survey,
for Mr. George R. Shelton,
Jr. H. & G. Engineer, C & G S,
Topographer.

Examined and Approved:

R. F. Luce

R. F. Luce, Commander,
Coast and Geodetic Survey,
Chief of Party.

STATISTICS

TOPOGRAPHIC SHEET H

Statute miles of shoreline	5.0
Area in square statute miles	4.0
Bayous and creeks, miles,	0.0

Survey No. T 4926

Date, May 24, 1935

GEOGRAPHIC NAMES
LOUISIANA

Chart No. 1116 & 1277

Diagram No. Same

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

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

Under investigation. Q

[illegible]

REVIEW OF TOPOGRAPHIC SURVEY No. 4926 *Field letter H*Title (Par. 56) *Shell Keys and Vicinity, Gulf Coast, Louisiana*Chief of Party *H.E. Parker* Surveyed by *G.R. Shelton* Inked by *E.E. Mumaw*Ship *Hydrographer* Instructions dated *Dec. 17, 1932* Surveyed in *June 1934*1. The survey and preparation for it conform to the requirements of the *✓*
Topographic Manual. (Par. 7, 8, 9, 13, 16.)2. The character and scope of the survey satisfy the instructions. *✓*3. The control and closures of traverses were adequate. (Par. 12, 29.) *✓*4. ~~The amount of vertical control that the Manual specifies for con-
tours-formlines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)~~5. The delineation of -contours-formlines- is satisfactory. (Par. 49,
50.) *None shown*6. There is sufficient control on maps from other sources that were
transmitted by the field party to enable their application to the
charts. (Par. 28.) *None submitted*7. High water line on marshy and mangrove coast is clear and adequate
for chart compilation. (Par. 16a, 43, 44.)
*Subsequent to the completion of this survey, an additional islet at the southern extremity of Shell
Keys has been sketched on the boatsheet of H-5837(1935). This islet is shown in blue on H-5837(1935)*8. The representation of low water lines, reefs, coral reefs and rocks,
and legends pertaining to them is satisfactory. (Par. 36, 37, 38,
39, 40, 41.) *No legends shown.*9. Rocks and other important details shown on previous surveys and on
the chart were verified. (Par. 25, 26, 27.)*See back of this page*10. ~~The span, draw and clearance of bridges are shown. (Par. 16c.)~~11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~12. ~~The tree line was shown on mountains. (Par. 16g.)~~NOTE: Strike out paragraphs, words or phrases not applicable and modify
those requiring it. Paragraph numbers refer to those in the Topographic
Manual. Use reverse side for extending remarks.

9. There was nothing to show that an attempt was made to verify the oyster reefs shown on T-1680 (1886) in the area adjacent to the shoreline. The shoreline of 1886 differs in some places as much as 100 meters from the present shoreline, however, the positions of these reefs appear to be fairly stable. In view of the note appearing on H-5766 (1934), "1 to 2 feet of water with numerous bare spots" the reefs shown on T-1680 (1886) should be used for charting.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.)
14. ~~The descriptive report also contains additional information required in aere topography relative to type of photographs, method of compilation and type of ground control.~~
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) *None submitted in area of this survey.*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *No landmarks in this area.*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *Meridian not shown.*
18. The geographic datum of the sheet is *N.A. 1927* and the reference station is correctly noted. (Par. 34.)
19. Junctions with contemporary surveys are adequate. *There is a small discrepancy in the position of signals Lurn and Vat as shown on this survey and on T-6325 (1935). This discrepancy is fully discussed in par. 3 of the review of OH-5837 (1935). The positions shown on T-6325 (1935) were accepted.*
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.)
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.)
22. No additional surveying is recommended.
23. The Chief of Party inspected and approved the sheet and the descriptive report. ~~after review by~~
24. Remarks:

Reviewed in office by *R. L. Johnston* March 1936.
Inspected by A. L. Balawf
 Examined and approved:

C. H. Green
 Chief, Section of Field Records

Chief, Section of Field Work

Chief, Division of Charts

Chief, Division of Hyd. and Top.