<table>
<thead>
<tr>
<th>Topographic</th>
<th>Sheet No.</th>
<th>H</th>
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**LOCALITY**

GULF COAST

TIGER SHOAL AND MARSH ISLAND

Shell Keys and Vicinity

184

**CHIEF OF PARTY**

W.R. PARKER
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......

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, 1934

Vessel...... "HYDROGRAPHER"

Chief of party... W. E. PARKER

Surveyed by...... GEORGE R. SHELTON

Inked by...... EVERETT E. MUMAW

Heights in feet above sea level to ground to tops of trees

Contour, Approximate contour, Form line interval

Instructions dated...... December 17, 1932

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° 25' and Longitude 91° 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 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-5831 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 batters 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,

Errett E. Mumaw

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

Examined and Approved:

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,    6.0
Approved by the Division of Geographic Names, Department of Interior. ✶

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

Under investigation. Q

<table>
<thead>
<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
<th>Location</th>
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<td>Gulf of Mexico</td>
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<tr>
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<td>Shell Keys</td>
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REVIEW OF TOPOGRAPHIC SURVEY No. 4926 Field letter H

Shell Keys and Vicinity, Gulf Coast, Louisiana

Chief of Party: E. Parker Surveyed by G. R. Shelton Inked by E. E. Munnaw

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 contours-formlines was accomplished. (Par. 16, 19, 20, 21, 22, 23.)

5. The delineation of contours-formlines is satisfactory. (Par. 49, 50.)

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.)

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 northern extremity of Shell Keys has been sketched on the chart sheet of H-3837 (1933). This islet is shown in blue on H-3837 (1933)

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.)

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. 16e.)

11. Locations and elevations of summits are given. (Par. 19, 61.)

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-1630 (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-1630 (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 core-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.

20. Geographic names are shown on the sheet and are covered by the descriptive report. (Par. 64, 66.)

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 M. Johnston March 1936.

Examined and approved:

C. W. Green

Chief, Section of Field Records Chief, Section of Field Work

Chief, Division of Charts Chief, Division of Ryd. and Top.