

6324

U. S. COAST & GEODETIC SURVEY
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Form 504 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR	
DESCRIPTIVE REPORT	
Topographic } Hydrographic }	Sheet No. "K" 6324
State <u>Louisiana</u>	
LOCALITY	
Atchafalaya Bay <u>Gulf Coast</u> <u>and Vicinity and</u> <u>Oyster Bayou, east-west of Oyster</u> <u>North Shore of Fourleague Bay</u> <u>Bayou and part of Four League Bay.</u>	
193 5	
CHIEF OF PARTY	
<u>Thos. B. Reed</u>	

U. S. GOVERNMENT PRINTING OFFICE: 1934

112007

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. "K"

REGISTER NO. 6324

State Louisiana

General locality ~~Atchafalaya Bay~~ Gulf Coast

Locality Oyster Bayou, ~~Coast west of Oyster Bayou and parts of Four League Bay.~~ and Vicinity and North Shore of Fourleague Bay

Scale 1:10000 Date of survey Feb. and May, 1935
1:20000

Vessel Field Party No. 4

Chief of party Thos. B. Reed

Surveyed by T. F. Squires

Inked by W. B. Reed

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated Jan. 19, 1935; Letter dated Feb. 11, 1935
No. 26-AA-1990(4)

Remarks: Topography shown on both sides of sheet.

DESCRIPTIVE REPORT
to accompany

Topographic Sheet "K"

Oyster Bayou, Coast west of Oyster Bayou and part of Four League Bay.

Field Party No. 4

Thos. B. Reed, Chief of Party.

Project No. H. T. 156

DATE OF INSTRUCTIONS:

Jan. 19, 1935; Letter dated Feb. 11, 1935
No. 26-AA-1990(4)

DATE OF SURVEY:

Feb. and May, 1935

LIMITS:

This sheet includes the shore line of the Gulf of Mexico from Oyster Bayou west to Triangulation Station END, the shore line of Oyster Bayou, and the shore line of Four League Bay from Bayou Carrion Crow to Halters Island.

SURVEY METHODS:

A traverse was run from Triangulation Station END to Triangulation Station BEACH using an one hundred meter wire tape, another from Triangulation Station BEACH to Triangulation Station OYSTER using an one hundred meter wire tape, a stadia traverse was run from Triangulation Station OYSTER to Triangulation Station DUFFY and another stadia traverse from Triangulation Station HALTERS to Triangulation Station CROW.

Topographic Signals "Rug" and "Sec" were located by cuts from Triangulation Stations and set up points on these traverses.

CLOSURES:

End to Beach	23 meters short (adjusted).
Beach to Oyster	6 meters short (adjusted).
Oyster to Duffy	3 meters in azimuth (adjusted).
Halters to Crow	15 meters long (adjusted).

CONTROL:

Control for this sheet consists of the following Triangulation Stations; End, 1933; Beach, 1928; Oyster, 1928; Oyster Bayou Light, 1933; Duffy, 1933; Ray, 1933; Halters, 1933; and Crow, 1933.

GENERAL DESCRIPTION:

The character of the shore line is shown only on the traverse Halters to Crow as the rest of this sheet is covered by the air photo topographic sheets.

The line of shells shown along the shore line of the Gulf of Mexico is sketched, distances being taken to the edge of the shells at each set up.

The pipes shown in Oyster Bayou are three inch iron pipes projecting from two to three feet above high water and placed there to mark oyster reefs in the bayou.

Points "Age" and "Ill" are points spotted on the air photographs and located for control by sextant angles to all stations that could be seen.

The grass line shown along the east side of Oyster Bayou and the two small grass islands at the north end of the bayou, is grass growing in a bottom of oysters and mud, exposed at low water.

The two shrimp platforms and buildings adjacent are all new buildings, the ones showing on the photographs having been destroyed. Signal "Gab" is the only building that was left in this vicinity after the storm of June, 1934.

LANDMARKS FOR CHARTS:

With the exception of Oyster Bayou Light there are no landmarks of any prominence in the area covered by this sheet.

STATISTICS:

Twenty four (24) statute miles of shore line were run on this sheet.

Approved and forwarded,

Thos. B. Reed
Thos. B. Reed

Lieut. C. G. Survey

Chief of Field Party No. 4.

Respectfully submitted,

T. F. Squires

T. F. Squires

Surveyor C. G. Survey.

LOUISIANA

LOUISIANA

Chart No. 198 & 199

Diagram No. 1116

Under investigation. Q

(M-138)

REVIEW OF GRAPHIC CONTROL SURVEY T-6324, SCALE 1/20,000 and 1/10,000 -

Date of Review *July 24, 1935.*

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5389, 5362, with particular attention to the following details:

- (a) Projection has been checked in the Field. ✓
- (b) Accuracy of location of plane table control points. ✓
- (c) Discrepancies between detail on this survey and the air photo compilations listed above. *none*
- (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above. *none*

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T- , , , for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

Notes and corrections resulting from the review are shown on this survey in green. ✓

Leonard A. Hulsman
July 24, 1935.

REVIEW OF TOPOGRAPHIC SURVEY No. 6324 Field No. K

Title (Par. 56) ✓

Chief of Party *T. B. Reed* Surveyed by *T. F. Squires* Inked by *W. B. Reed**Oct. 27, 1933, S.H. Jan. 19, 1935*Ship Instructions dated *letter dated* Surveyed in *Feb and May 1935.**Feb. 11, 1935*
No. 26-AA-1990(4)

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 from lines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)~~5. ~~The delineation of contours from lines 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.) ✓

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.) ✓

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.

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 aero-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 IMs and DPs, 68.) *Signal Peg is the only description submitted.*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *No landmarks was submitted on Form 567, but in the Des. Rept. page 2, "Landmarks for Charts" is described.*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *No information was submitted relative to the checking of the declination.*
18. The geographic datum of the sheet is *N.A. 1927 (Adjusted)* and the reference station is correctly noted. (Par. 34.)
19. Junctions with contemporary surveys are adequate. *Yes*
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) *A list of approved Geographic names is attached to the Descriptive Report. None of the names that were on the sheet were covered by the Descriptive Report.*
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: *The shoreline on this survey is also covered by air photo compilations T-5389 (1931) and T-5662 (1931), except the portion north of lat. 29° 21' and west of long. 91° 09'.*

Reviewed in office by

E. Prigari Jan. 7 1936.
Inspected by A. Z. Shalant

Examined and approved:

C. H. Green
Chief, Section of Field Records*L. O. Lobbut*
Chief, Division of Charts*Fred. L. Peacock*
Chief, Section of Field Work*W. H. Hude*
Chief, Division of Hyd. and Top.