

6323a&b

U. S. COAST & GEODETIC SURVEY
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. "I" 6323

Graphic Control

State Louisiana

LOCALITY

Atchafalaya Bay and Four League

Bay Fourleague Bay to Point

Au Fer

1935

CHIEF OF PARTY

Thos. B. Reed

U. S. GOVERNMENT PRINTING OFFICE: 1934

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. "I"

REGISTER NO. 6323 a & b

State Louisiana

General locality Atchafalaya Bay

Locality *Fourleague Bay to Point Au Fer*
~~Shore line of Atchafalaya Bay and Fourleague Bay~~

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

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 June 26, 1934 and January 19, 1935

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

Remarks: Topography shown on both sides of the sheet.

DESCRIPTIVE REPORT
to accompany

T6323a86

Topographic Sheet "I"

Atchafalaya Bay and Four League Bay.

Field Party No. 4.

Thos. B. Reed, Chief of Party.

Project No. H. T. 156

DATE OF INSTRUCTIONS:

June 26, 1934 and January 19, 1935
Letter dated Feb. 11, 1935, No. 26-AA-1990(4).

DATE OF SURVEY:

Jan. Feb. Apr. and May 1935

LIMITS:

The sheet includes shore line of Atchafalaya Bay from South Point, between Atchafalaya Bay and Four League Bay, to Point Au Fer and the shore line of the Gulf of Mexico from Point Au Fer to Triangulation Station END, and the shore line of Atchafalaya Bay from Plumb Island Point to Halters Island. It also includes the location of points for control of air photographs of all of Point Au Fer Island.

SURVEY METHODS:

Stadia traverses were run from Triangulation Station RAY around the shore line to Triangulation Station END. Another stadia traverse was run from Triangulation Station HALTERS to Triangulation Station PLUMB. All stations, water signals and the lights and beacons in Four League Bay, other than those along the shore line, were located by cuts from three or more triangulation stations with the exception of several points spotted on the photographs and located by sextant with angles taken to all stations that could be seen. Following are the points located by sextant;

Lul	Fal	Ver	Ben	Lox
Ape	Ant	Tig	Div	
Cot	Min	Res	Hed	
Cel	Aul	Mal	Dif	
Spa	Ral	Yar	Lev	

CLOSURES:

Halters to Plumb	8 meters short (adjusted).
Ray to Fish	19 meters long (adjusted).
Fish to Easter	17 meters long (adjusted).
Easter to End	25 meters short (adjusted).

CONTROL:

Control for this sheet consists of the following triangulation stations; Ray, 1933; Fish, 1933; Easter, 1933; Point Au Fer Stack, 1933; End, 1933; Plumb, 1933; Halters, 1933; Crow, 1933; Last, 1933; Hammock, 1928; Duffy, 1933; Amos, 1928; and Point Au Fer Lighthouse, 1933.

GENERAL DESCRIPTION:

The character of the shore line on this sheet is covered by the air photo topographic sheets except for the section from Halters Island to Plumb Island Point which is shown on this sheet.

Besides the shore line located on this sheet stations were located for the control of the air photographs and for use as Hydrographic Signals. A section of the shore line at Triangulation Stations LAST and AMOS, and a section of Locust Bayou just north of Triangulation Station END were located for control of the photographs. Locust Bayou

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from Station "Ann" to the Atchafalaya Bay was located as the photographs did not cover this area.

The line of shells and the low water line shown on the sheet are sketched, distances being taken at each set up point. The section of shell reef shown off of Point Au Fer was located by stadia from Triangulation Station EASTER.

The two iron pipes located at Palmetto Bayou are twelve inch iron casing pipes about four feet above high water.

The insert, showing the detail around Point Au Fer Lighthouse, was oriented by a geodetic azimuth line from this Lighthouse to South West Reef Tower.

All of the houses located on this sheet and described are in poor condition having been considerably damaged by the storm of June, 1934.

LANDMARKS FOR CHARTS:

There are no landmarks of any prominence in the area covered by this sheet.

GEOGRAPHIC NAMES:

The names of the bayous shown on the traverse Halters to Plumb were obtained from the U. S. Engineers Point Au Fer Quadrangle and these names checked from local information. The names "Round Bayou" and "Blue Hammock Bayou" are incorrect on Chart No. 199.

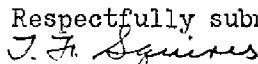
The remainder of this sheet is covered by air photo compilation Sheet M and the Geographic Names covered in the report on this sheet.

STATISTICS:

Twenty five (25) statute miles of shore line were run on this sheet.

Approved and forwarded,

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

Respectfully submitted,

T. F. Squires
Surveyor C. & G. Survey.

Topographic
REVIEW OF GRAPHIC CONTROL SURVEY T- 6323 , SCALE 1/20,000.

Date of Review *July 24, 1935.*

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T- *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. Melson
July 24, 1935.