DESCRIPTIVE REPORT

Topographic Sheet No. 6323
Hydrographic

Graphic Control

State: Louisiana

LOCALITY
Atchafalaya Bay and Four League
Four League Bay to Point Au Fer

1935

CHIEF OF PARTY
Thos. B. Reed
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. 6323a & b

State ........ Louisiana ..................................................

General locality ........ Atchafalaya Bay

Locality ........ Fourleague Bay to Point Au Fer


Vessel ........ Field Party No. 4 ..................................

Chief of party ........ T. F. Squires ..................................

Surveyed by .......... W. B. Reed ..................................

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.

Remarks ........ Topography shown on both sides of the sheet
DESCRIPTIVE REPORT
to accompany
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


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 Halter's 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 HALTER'S 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:

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<thead>
<tr>
<th>Lat</th>
<th>Pal</th>
<th>Ver</th>
<th>Sen</th>
<th>Lox</th>
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<tr>
<td>Aps</td>
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<td>Tig</td>
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<td>Spa</td>
<td>Ral</td>
<td>Yar</td>
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</tbody>
</table>

CLOSURES:
Halters to Plumb 6 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; Halter's, 1933; Cow, 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 Halter's
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
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 Hal ters
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.

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

Approved and forwarded,

Respectfully submitted,

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

J. F. Squires
Surveyor C. & G. Survey.
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-5387, 5389, 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.

   (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5387, 5389, 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.

[Signature]
July 24, 1935.

Leonard A. [Last Name]
July 24, 1935.