
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC (REVISION)
Field No. Ph-170 New No. T-10647
Office No. 8-9826

LOCALITY
State Louisiana
General locality Lower Atchafalaya River
Locality Sweetbay Lake

1956-57

CHIEF OF PARTY
Ira B. Rubottom Chief of Party
V. Ralph Sobieralski, Photogrammetric Unit

LIBRARY & ARCHIVES
DATE May 1963
DESCRIPTIVE REPORT - DATA RECORD

T-10647 (New No.)
T-9026 (Revision)

PH170

Project No. (II): 05376
Quadrangle Name (IV):

Field Office (II): Morgan City, Louisiana
Photogrammetric Office (III): Portland, Oregon

Chief of Party: Ira R. Rubottom
Officer-in-Charge: V. Ralph Sobieralski

Instructions dated (II) (III):
II 4 December 1956
Supplement I, 14 March 1957

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript, Scale (III): 1:20,000
Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

OCT 3 1961

Applied to Chart No.
Date:
Date registered (IV):

Publication Scale (IV):
Publication date (IV):

Geographic Datum (III): N.A. 1927
Vertical Datum (III):
Mean sea level except as follows:
Elevations shown as (ft) refer to mean high water
Elevations shown as (ft) refer to sounding datum
I.e., mean low water or mean lower low water

Reference Station (III): SWORD, 1933

Lat.: 29° 34' 16.866" Long.: 91° 13' 17.084"

Adjusted X
Unadjusted, Y

Plane Coordinates (IV):
State:
Zone:

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.
Areas contoured by various personnel
(Show name within area)

(II) (III)

PL AN I M E T R I C
DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Martin C. Moody  Date: March-April 1957

Planetary contouring by (II):  

Completion Surveys by (II):  

Mean High Water Location (III) (State date and method of location): Field inspection March - April 1957 and graphic compilation.

Projection and Grids ruled by (IV): Reproduction of original T-9026  Date: 

Projection and Grids checked by (IV):  

Control plotted by (III): Plotting was done on original T-9026  Date: 

Control checked by (III):  

Radial Plot or Stereoscopic: J. L. Harris  Date: 9-25-57

Control extension by (III):  

Stereoscopic Instrument compilation (III): Planimetry  

Contours  

Manuscript delineated by (III): D. N. Williams (Planimetry Revision)  Date: 10-15-57

Photogrammetric Office Review by (III): J. E. Deal  Date: 12-5-57

Elevations on Manuscript checked by (II) (III):  

Comm DC-57842
PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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</thead>
<tbody>
<tr>
<td>54703</td>
<td>10-15-56</td>
<td>9:25</td>
<td>1:20,000</td>
<td>Tide is mainly diurnal. Probably about 0.5' above M.L.W. on this day.</td>
</tr>
<tr>
<td>54704</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>54747</td>
<td></td>
<td>10:04</td>
<td></td>
<td></td>
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<tr>
<td>54748</td>
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<td></td>
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Tide (III)

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<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.0</td>
<td>1.4</td>
</tr>
<tr>
<td></td>
<td>1.1</td>
<td>1.9</td>
</tr>
</tbody>
</table>

Reference Station: Galveston, Texas
Subordinate Station: Eugene I., Atchafalaya Bay, La.

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Revision of

Land Area (Sq. Statute Miles) (III): 52
Shoreline (More than 200 meters to opposite shore) (III): 25.4
Shoreline (Less than 200 meters to opposite shore) (III): 61.5
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 1 Recovered: 1 Identified: 0
Number of BMs searched for (II): 6 Recovered: 1 Identified: 1
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

Bench marks searched for were tidal bench marks.
FIELD INSPECTION REPORT
MAP T-9026 (REVISION)

2. AREAL FIELD INSPECTION

This map lies within the boundaries of St. Mary and Terrebonne Parishes. The entire area is swamp and marshland with the exception of a new levee under construction and the remains of an old levee which has been mapped previously.

Revision of the area was accomplished using nine lens 1:20,000 scale photographs taken in October 1956. There was no difficulty encountered in their interpretation.

Revision notes were made on a print of the manuscript and cross referenced to the photographs. All buildings to be mapped were indicated on the photographs in accordance with project instructions. Those buildings indicated on the photographs which are already mapped should be ignored by the compiler except in cases of change in classification.

Photographs 54702, 54703, 54704, 54705, 54747, 54748 and 54749 were used for revision notes.

For a detailed description of the area refer to the Descriptive Report for Map T-9026, Project Ph-21, previously submitted.

3. HORIZONTAL CONTROL

Only one horizontal control station lies within this quadrangle. It was recovered and reported on Form 526. No control was identified.

4. VERTICAL CONTROL

This phase was limited to the recovery of Tidal Bench Marks.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

With the exception of new canals, which have been labeled or are self evident, the drainage as compiled and delineated on the published manuscript is adequate and complete.

6. WOODLAND COVER

There are no changes in the woodland cover as delineated on the published manuscript.
7. SHORELINE AND ALONGSHORE FEATURES

All shoreline in this area is apparent.

The foreshore is entirely mud. There are no rocks or boulders. Field inspection notes on the photographs indicate all changes.

All piers have been labeled on the photographs. The petroleum tanks are on elevated platforms and have an elevated walkway between them and the well.

The shore end of all submerged cables and pipelines have been identified on the photographs.

8. OFFSHORE FEATURES

No offshore features were noted during the course of shoreline inspection.

9. LANDMARKS AND AIDS

All landmarks and aids to navigation have been reported on Form 567.

All fixed aids to navigation were identified.

10. BOUNDARIES, MONUMENTS AND LINES

The only boundary within this quadrangle is a portion of the St. Mary - Terrebonne Parish boundary. This boundary has not been changed and is as presently mapped.

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

All buildings to be mapped have been circled and classified on the photographs.

There are no roads in this quadrangle.

Two outstanding pipe lines are in this area and have been laid on the bottom of open ditches which have spoil on both sides and small shell dams where they intersect bayous.

All wells indicated are either oil, gas, oil and gas or injection wells for storage of natural gas. There is extensive drilling in this area at present.
13. GEOGRAPHIC NAMES

There was no systematic investigation of Geographic Names made. No discrepancies were noted during the course of field work.

14. SPECIAL REPORT AND SUPPLEMENTAL DATA

Revision data, Maps T-9021 and T-9025 to be forwarded at a later date.

Submitted:

Martin C. Moody
Cartographic Survey Aid

Approved:

Ira R. Rubottom
Chief of Party
PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10647

Project Ph-170

Refer to the Photogrammetric Plot Report for T-10644 thru T-10648 and correspondence which is included in the Descriptive Report for T-10644 (1957).
Refer to Descriptive Report for T-9026 (1958).
REVISION COMPILATION REPORT
Map Manuscript T-9026 (New No. T-10647)
Project Ph-170

Items 31 thru 36:
Refer to Descriptive Report for T-10644 (1957).

37. Landmarks and Aids:
Forms 567 are submitted for five aids to navigation.
These conform to the 1956 Atlantic Coast Light List.
Nos. 6156, 6157 and 6158 are apparently the same as Nos.
7194, 7195 and 7196 of the 1960 Atlantic Coast Light List.
Nos. 6155 and 6159 could not be resolved in the office to
the 1960 Atlantic Coast Light List.
* 1957 positions shown on map.

38. Control for Future Surveys:
None.

39. Junctions:
Satisfactory junctions were made on the north with T-10645
and on the west with T-10646. There are no contemporary surveys
to the east and south.

Items 40 and 41:
Refer to Descriptive Report for T-10644 (1957).
46. **Comparison with Existing Maps:**

Comparison was made with C. of E. 15 minute Morgan City, Louisiana quadrangle, Scale 1:62,500, Edition of 1955.

47. **Comparison with Nautical Charts:**

Comparison was made with Nautical Chart No. 1050, 1st Edition, Revised 2-25-57, Scale 1:175,000 at Lat. 30°.

Items to be Applied to Nautical Charts Immediately:

None.

Items to be Carried Forward:

None.

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Approved:  Respectfully submitted:

Fred Natella  J. Edward Deal
Fred Natella, CAPT, C&GS  J. Edward Deal
Portland District Officer  Cartographer
for
V. Ralph Sobieralski, CDR, C&GS
49. Notes to the Hydrographer:

None.
PHOTOGRAMMETRIC OFFICE REVIEW

T.10647


CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy ✓ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ✓ 7. Photo hydro stations None ✓ 8. Bench marks ✓

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines ✓ 32. Public land lines None ✓

MISCELLANEOUS

Reviewer

Supervisor, Review Section or Unit

Edward Deac

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

H-2623-12
## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

**Portland, Oregon 15 Nov. 1957**

I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by J. E. Deal

**V. Ralph Sobierański** Chief of Party

<table>
<thead>
<tr>
<th>STATE</th>
<th>LOUISIANA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHARTING NAME</strong></td>
<td><strong>DESCRIPTION</strong></td>
</tr>
<tr>
<td>Light</td>
<td>Atchafalaya Cutoff Light 88</td>
</tr>
<tr>
<td>Light</td>
<td>Bayou Shaffer Entrance Light 2</td>
</tr>
<tr>
<td>Light</td>
<td>Bayou Shaffer Entrance Light 4</td>
</tr>
<tr>
<td>Light</td>
<td>Sun Oil Loading Dock Light</td>
</tr>
<tr>
<td>Light</td>
<td>Atchafalaya River Light 89</td>
</tr>
</tbody>
</table>

**Note:** The above conforms to the 1956 Atlantic Coast Light List. Refer to Paragraph 37 of Descriptive Report for T-10647.

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if determined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.
48. Geographic Names:

Avoca Island
Bateman Island
Bayou Chene
Bayou Pechant
Bayou Shaffer
Big Horn Bayou
Blackbird Bayou
Cutoff Bayou
Deer Island Bayou
Dry Horn Bayou
East Bend
Hackberry Bayou
Halfway Bayou
Honey Bayou
Honey Island
Kent Bayou
Lake Gascha
Little Bayou Pechant
Little Horn Bayou
Lower Atchafalaya River
Lower Pass
Partridge Bayou
St. Mary Parish
Sweetbay Lake
Sword Bayou
Sword Point
Terrebonne Parish
Towhead Bayou
Upper Pass
West Point

[Signature]
Geographic Names Section
13 April 1962
REVIEW REPORT
of Planimetric Manuscripts T-10644 through T-10648
November 1962

62. General Statement

These are five (5) of 31 planimetric maps of Project PN-170, Atchafalaya River, La. These maps are copies of the 1948 planimetric maps numbered T-10644 (T-9020), T-10645 (T-9021), T-10646 (T-9025), T-10647 (T-9026) and T-10648 (T-9031) revised from nine-lens photographs taken October 1956. These maps were prepared as bases for Nautical Charts and for future hydrographic surveys.

62. Comparison with Registered Topographic Surveys

There was none made during this review, as these maps are reproductions of the 1948 series and revised from the 1956 photography.

63. Comparison with Maps of Other Agencies

<table>
<thead>
<tr>
<th>Location</th>
<th>Scale</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Point Au Fer, La.</td>
<td>1:62,500</td>
<td>C.ofE. 1957</td>
</tr>
<tr>
<td>Morgan City, La.</td>
<td>1:62,500</td>
<td>C.ofE. 1955</td>
</tr>
<tr>
<td>Belle Isle, La.</td>
<td>1:62,500</td>
<td>C.of E. 1954</td>
</tr>
</tbody>
</table>

There is good agreement throughout between these surveys.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

<table>
<thead>
<tr>
<th>Manuscript</th>
<th>Scale</th>
<th>Date</th>
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<tbody>
<tr>
<td>880</td>
<td>1:40,000</td>
<td>1954 revised to May 1962</td>
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<tr>
<td>881</td>
<td>1:40,000</td>
<td>Sept. 1962</td>
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<td>1276</td>
<td>1:80,000</td>
<td>May 1962</td>
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<tr>
<td>1050</td>
<td>1:175,000</td>
<td>1961 revised to Apr. 1962</td>
</tr>
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</table>

There are no changes of importance between the charts and the subject manuscripts.

66. Adequacy of Results and Future Surveys

These manuscripts were prepared as bases for Nautical Charts and are within the required accuracy.
Reviewed by:

L. C. Landy

Approved by:

Charles Theurer
Chief, Cartographic Branch

Lorne A. Taylor
Chief, Nautical Chart Div.

J. E. Waugh 3/12/63
Chief, Photogrammetry Div.

Harvey L. Canby
Chief, Operations Division
**INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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</thead>
<tbody>
<tr>
<td>1050</td>
<td>1-6-64</td>
<td>K. Keeler</td>
<td>e LCL</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Drawing No. Consider not applied. 266 2-44.</td>
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<tr>
<td>1276</td>
<td>5/24/64</td>
<td>John P. Weir</td>
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**FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. 10647**