

# 10646

*orig*

Diag. Cht. No. 1276-2.

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey	<b>PLANIMETRIC (REVISION)</b>
	New No. T-10646
Field No. Ph-170	Office No. <del>5000</del>
LOCALITY	
State	Louisiana
General locality	Atchafalaya Bay
Locality	Lake Salve
1956-57	
CHIEF OF PARTY	
Ira R. Ribottom	Chief of Party
V. Ralph Sobieralski, Photogrammetric Unit	
LIBRARY & ARCHIVES	
DATE	May 1963

COMM-DC 61300

# 10646

DESCRIPTIVE REPORT - DATA RECORD

T-9025 (New No. T-10646)  
(REVISION)

PH 170

Project No. (II): ~~25170~~

Quadrangle Name (IV):

Field Office (II): **Morgan City, Louisiana**

Chief of Party: **Ira R. Rabottom**

Photogrammetric Office (III): **Portland, Oregon**

Officer-in-Charge: **V. Ralph Sobieralski**

Instructions dated (II) (III):

Copy filed in Division of  
Photogrammetry (IV)

**II 4 December 1956**  
*Supplement I, 14 March 1957*

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):

Applied to Chart No.

**OCT 3 - 1961**  
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 (25) refer to mean high water  
Elevations shown as (6) refer to sounding datum  
i.e., mean low water or mean lower low water

Reference Station (III): **CROSS, 1933**

Lat.: **29° 36' 32.144"**

Long.: **91° 19' 36.645"**

Adjusted   
Unadjusted

Plane Coordinates (IV):

State:

Zone:

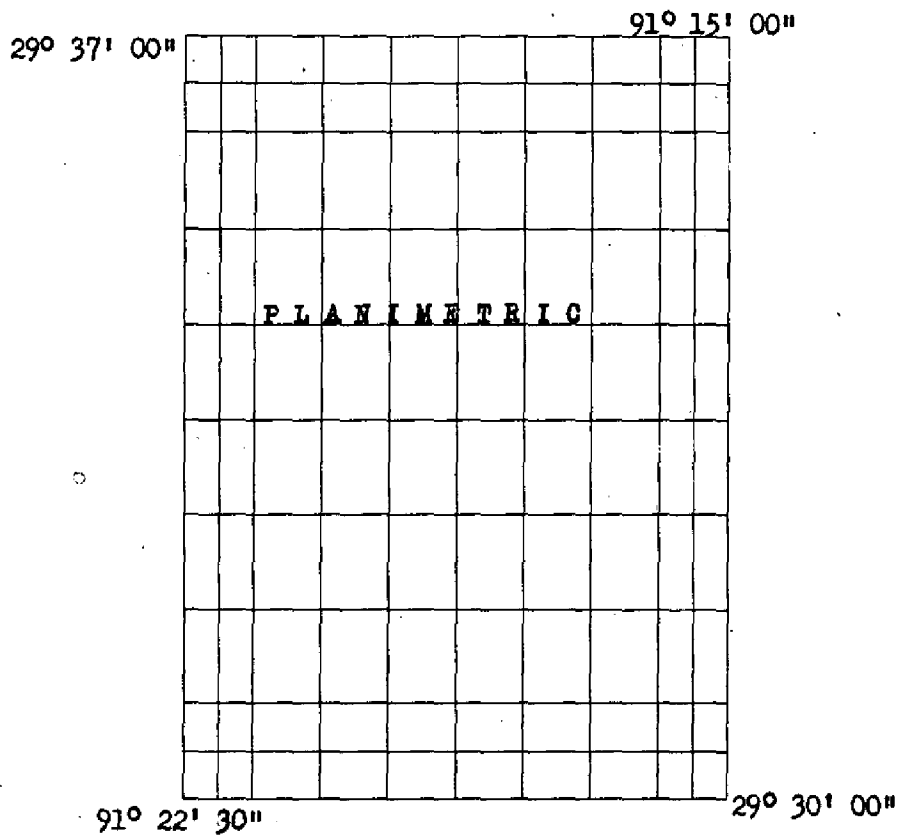
Y=

X=

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.

DESCRIPTIVE REPORT - DATA RECORD



Areas contoured by various personnel  
(Show name within area)  
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **James E. Johnson**

Date: **March 1957**

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

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

Projection and Grids ruled by (IV): **Reproduction of original T-9025**

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): **Plotting was done on original T-9025**

Date:

Control checked by (III):

Date:

Radial Plot or Stereoscopic  
Control extension by (III):

**J. L. Harris**

Date: **9-25-57**

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III):

**C. C. Harris (Planimetry Revision)**

Date: **10-14-57**

Photogrammetric Office Review by (III):

**J. E. Deal**

Date: **12-4-57**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

5.

Camera (kind or source) (III): C&GS 9-lens - focal length 8.25 inches

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
54771 and 54772	10-15-56	10:29		1:20,000	Tide is mainly diurnal Probably about 0.5' above M.L.W. on this day.
54776 thru 54778	"	10:38		"	

Tide (III)

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

Ratio of Ranges	Mean Range	Diurnal	
		Spring Range	
	1.0	1.4	
	1.1	1.9	

Washington Office Review by (IV):

*L C Lande*

Date: *Nov 1962*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

**\*Revision of**

Land Area (Sq. Statute Miles) (III): **64.6**

Shoreline (More than 200 meters to opposite shore) (III): **11.3**

Shoreline (Less than 200 meters to opposite shore) (III): **78.6**

Control Leveling - Miles (II): **None**

Number of Triangulation Stations searched for (II): **2** Recovered: **1** Identified: **0**

Number of BMs searched for (II): **3** Recovered: **0** Identified:

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-9025  
(REVISION)

2. AREAL FIELD INSPECTION

For detail description of the area see original Field Inspection Report.

Revision data appears on a print of the manuscript and on 1:20,000 scale nine lens photographs 54771 through 54773 and 54775 through 54777. Areas in which revisions are to be made have been indicated on the print and cross referenced to the photographs.

Photograph quality was good; no interpretation difficulties were encountered.

3. HORIZONTAL CONTROL

LITTLE HOG, 1888 was reported lost. *(not shown on maps.)*

No horizontal control was identified. No supplemental control was established.

4. VERTICAL CONTROL

All tidal bench marks were searched for **but** none were recovered.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

The drainage has been adequately compiled and no additional information is required.

6. WOODLAND COVER

Woodland cover was classified in accordance with reference 5433Aa, Topographic Manual, Part II, and the project instructions, in those areas required for revision.

7. SHORELINE AND ALONGSHORE FEATURES

The only changes in the shoreline are in the areas of new petroleum development and in certain areas of accretion, all of which are believed to be adequately annotated on the photographs.

All canals are private.

The shore ends of all submerged pipelines crossing public waterways have been indicated. Due to the intricacy of the pipeline network in the oil fields it was impractical to show all the pipeline crossings in the access canals.

8. OFFSHORE FEATURES

There are none.

9. LANDMARKS AND AIDS

All fixed aids to navigation have been identified on the photographs for location photogrammetrically. There are no landmarks for charts or air navigational aids.

All fixed aids to navigation have been reported on form 567.

10. BOUNDARIES, MONUMENTS AND LINES

No changes were found in existing boundaries nor are there any new boundaries to be mapped.

11. OTHER CONTROL

The only other control points are fixed aids to navigation. No marked or monumented topographic stations were established.

12. OTHER INTERIOR FEATURES

Buildings were classified in accordance with reference 5446, Topographic Manual, Part II and the Project Instructions.

There are no roads, bridges or overhead cable crossings in the quadrangle.

All tanks are oil tanks unless otherwise indicated.

13. GEOGRAPHIC NAMES

A systematic investigation of Geographic Names was not made; however no discrepancies were noted.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Form 567, Fixed Aids to Navigation, Landmarks for Nautical Charts and Aeronautical Charts.

Submitted:

Approved:

*Ira R. Rubottom*  
Ira R. Rubottom  
Chief of Party

*James E. Johnson*  
James E. Johnson  
Cartographic Survey Aid

## PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10646

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).





## COMPILATION REPORT

Map Manuscript T-10646

Project Ph-170

Items 31 thru 36:

Refer to the Descriptive Report for T-10644 (1957).

37. Landmarks and Aids:

Forms 567 are submitted for three fixed aids to navigation. These forms are in accordance with the 1956 Atlantic Coast Light List. Inspection of the 1960 Atlantic Coast Light List indicates that many changes have been made and the data shown on the Forms 567 is now obsolete.

38. Control for Future Surveys:

None.

39. Junctions:

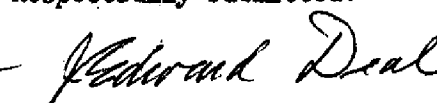
Satisfactory junctions were made with T-10644 on the north, T-10647 on the east and T-10648 on the south. There is no contemporary survey to the west.

Items 40, 41, 46 and 47:

Refer to the Descriptive Report for T-10644 (1957).

Approved:

Respectfully submitted:

Fred Natella, CAPT, C&GS  
Portland District Officer  
for

J. Edward Deal  
Cartographer

V. Ralph Sobieralski, CDR, C&GS

49. Notes to the Hydrographer:

None.

## PHOTOGRAMMETRIC OFFICE REVIEW

T-10646

1. Projection and grids  2. Title  3. Manuscript numbers  4. Manuscript size

## 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   
9. Plotting of sextant fixes  10. Photogrammetric plot report  11. Detail points

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline  13. Low-water line None 14. Rocks, shoals, etc. None 15. Bridges None 16. Aids to navigation  17. Landmarks None 18. Other alongshore physical features  19. Other along-shore cultural features

## PHYSICAL FEATURES

20. Water features  21. Natural ground cover  22. Planetable contours None 23. Stereoscopic instrument contours None 24. Contours in general None 25. Spot elevations None 26. Other physical features

## CULTURAL FEATURES

27. Roads  28. Buildings  29. Railroads None 30. Other cultural features

## BOUNDARIES

31. Boundary lines  32. Public land lines None

## MISCELLANEOUS

33. Geographic names  34. Junctions  35. Legibility of the manuscript  36. Discrepancy overlay  37. Descriptive Report  38. Field inspection photographs  39. Forms

40. \_\_\_\_\_  
Reviewer

Edward Deal  
Supervisor, Review Section or Unit

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:

48. Geographic Names:

Adams Cross	Russels Bayou
Bayou Cameron	St. Mary Parish
Bayou Haydel	Sammys Bayou
Beadles Bayou	Shell Island
Big Bull Bayou	Shell Island Pass
Big Doctors Bayou	Shell Island Point
Big Hog Bayou	Spanish Lake
Big Wax Bayou	Spanish Lake Bayou
Brushy Bayou	Sweetbay Lake
Chicken Island Bayou	Terrebonne Parish
Clarks Bayou	Towhead Bayou
Cross Bayou	Towhead Lake
Cutoff Bayou	Upper Pass
Cutoff Island	Wetfoot Hammock
Cypress Bayou	Willow Pass
East Bay	
Fishtrap Bayou	
Four Mile Bayou	
Givins Bayou	
Grays Bayou	
Greens Bayou	
Honey Island	
Lake Pass Bayou	
Lake Salve	
Little Adams Cross Bayou	
Little Bull Bayou	
Little Cameron Bayou	
Little Doctors Bayou	
Little <del>WAX</del> Hog Bayou	
Little Lacassine Bayou	
Little Wax Bayou	
Live Oak Hammock	
Lost Lake	
Lower Atchafalaya River	
Lower Pass	
Mire Bayou	
Muddy Bayou	
Myrtle Bayou(Two Separate Entries)	
Outside Bayou	
Round Bayou	

*George W. Ball*  
 Geographic Names Section  
 13 April 1962

**REVIEW REPORT**  
**87 Planimetric Manuscripts T-10644 through T-10648**  
**November 1962**

**61. General Statement**

These are five (5) of 31 planimetric maps of Project PM-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**

Point Au Fer, La.	1:62,500	C.of R.	1957
Morgan City, La.	1:62,500	C.of R.	1955
Belle Isle, La.	1:62,500	C.of E.	1954

There is good agreement throughout between these surveys.

**64. Comparison with Contemporary Hydrographic Surveys**

None

**65. Comparison with Nautical Charts**

880	1:40,000	1954 revised to May 1962
881	1:40,000	Sept. 1962
1276	1:80,000	May 1962
1050	1:175,000	1961 revised to Apr. 1962

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. Lande  
L. C. Lande

Approved by:

Chas. Theurer  
Chas. Theurer  
Chief, Cartographic Branch

Lawrence G. Taylor  
Chief, Nautical Chart Div.

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

Harold S. Conner  
Chief, Operations Division

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. 10646

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.

CHART	DATE	CARTOGRAPHER	REMARKS
<del>1050</del>	<del>1-6-64</del>	<del>H. J. Keeler</del>	<del>Full Part Before</del> After Verification Review Inspection Signed Via LCL Drawing No. <i>Considered not applied 2-4-64 R.E.E.</i>
1276	5/26/64	John P. Wei	Full <del>Part Before</del> After Verification Review Inspection Signed Via Drawing No.
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