

# 10647

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10647

Diag. Cht. No. 1276-2.

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey	PLANIMETRIC (REVISION)
Field No. Ph-170	New No. T-10647 Office No. <del>T-9826</del>
LOCALITY	
State	Louisiana
General locality	Lower Atchafalaya River
Locality	Sweetbay Lake
<u>1952-57</u>	
CHIEF OF PARTY Ira R. 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)

PH 170

Project No. (II): ~~95170~~      Quadrangle Name (IV):

Field Office (II): **Morgan City, Louisiana**      Chief of Party: **Ira R. Hubottom**

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**

**OCT 3 - 1961**

Date received in Washington Office (IV):      Date reported to Nautical Chart Branch (IV):

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 (25) refer to mean high water  
Elevations shown as (5) 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.

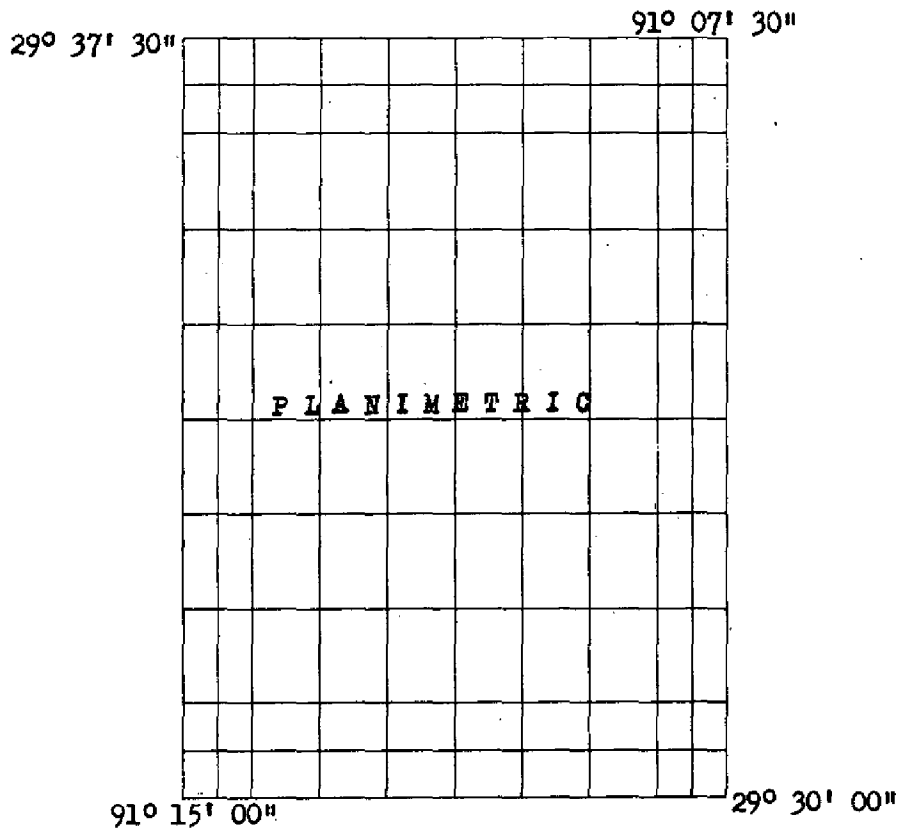
Plane Coordinates (IV):      State:      Zone:

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): **Martin C. Moody**

Date: **March-April 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 - April 1957 and graphic compilation.**

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

Date:

Projection and Grids checked by (IV):

Date:

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

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): **D. N. Williams (Planimetry Revision)**

Date: **10-15-57**

Photogrammetric Office Review by (II): **J. E. Deal**

Date: **12-5-57**

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			
54703 and 54704	10-15-56	9:25		1:20,000	Tide is mainly diurnal. Probably about 0.5' above M.L.W. on this day.
54747 thru 54749	"	10:04		"	

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: 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) (II): 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 layed 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*  
Martin C. Moody  
Cartographic Survey Aid

Approved:

*Ira R. Rubottom*  
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).



## 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.

Approved:

Respectfully submitted:

*Fred Natella* *J. Edward Deal*

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-10647

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 None 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  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 Seal  
 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:

NONFLOATING AIDS ~~OR LANDING MARKERS~~ FOR CHARTS

TO BE CHARTED  
~~TO BE CHARTED~~  
~~TO BE CHARTED~~  
STRIKE OUT TWO

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 ~~(charts)~~ the charts indicated.

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

*[Signature]*  
V. Ralph Sobierski, Chief of Party

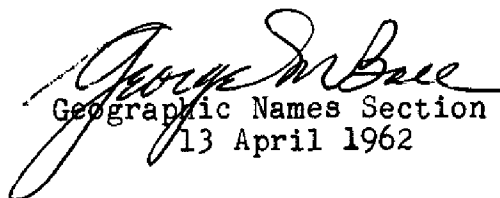
CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED			
				LATITUDE*		LONGITUDE*								DATUM		
				°	'	°	'									
Light	LOUISIANA	Atchafalaya Cutoff Light 88	#6155	29	33	19° 03'	91	13	N.A.	1927	Graphic	1957	X		1050	
Light		Bayou Shaffer Entrance Light 2	#6156	29	34	30° 47'	91	13			"	"	X		"	
Light		Bayou Shaffer Entrance Light 4	#6157	29	35	06° 44'	91	13			"	"	X		"	
Light		Sun Oil Loading Dock Light	#6158	29	35	25° 16'	91	12			"	"	X		"	
Light		Atchafalaya River Light 89	#6159	29	35	77° 46'	91	14			"	"	X		"	
						40° 52'										
						1247.6										
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 redetermined, 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.

\* TABULATE SECONDS AND METERS

48. Geographic Names:

Avoca Island  
Bateman Island  
Bayou Chene  
Bayou Penchant  
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 Penchant  
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

  
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 PE-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.ofEE.	1957
Morgan City, La.	1:62,500	C.ofEE.	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

Louis G. Taylor  
Chief, Nautical Chart Div.

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

Harold S. Conroy  
Chief, Operations Division

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. 10647

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. Keeler</del>	<del>Full Part Before</del> After Verification Review Inspection Signed Via <del>LCL</del> Drawing No. <i>Cancelled not applied REC 2-4-64</i>
1276	5/24/64	John P. Wei	Full Part <del>Before</del> After Verification Review Inspection Signed Via Drawing No.
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			Full Part Before After Verification Review Inspection Signed Via Drawing No.
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