

9868

Diag. Cht. Nos. 1275-2 & 1276-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-90B Office No. T-9868

### LOCALITY

State Louisiana

General locality Louisiana Coast

Locality Oyster Bayou to Little Mis-  
quito Bayou

1952-56

### CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party  
I.R.Rubottom, Tampa Photo. Office

### LIBRARY & ARCHIVES

DATE December 31, 1959

8689

DESCRIPTIVE REPORT - DATA RECORD

T-9868

Project No. (II): Ph-90B

Quadrangle Name (IV):

Field Office (II): Houma, La.

Chief of Party: E.H. Kirsch

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Ira R. Rubottom

Instructions dated (II) (III): 5 September 1952

Supplement 1 25 September 1952

Supplement 2 30 September 1952

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV):

MAR 15 1956

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 12/17/58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

~~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): OYSTER BAYOU LIGHTHOUSE, 1909

Lat.:  $29^{\circ}12'41''578(1280.1M)$

Long.:  $91^{\circ}07'48''869(1320.0M)$

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.

# PLANIMETRIC

COMM-DC-57842

DESCRIPTIVE REPORT - DATA RECORD

3

Field Inspection by (II): B.F.Lampton, Jr.  
I.Y.Fitzgerald  
E.T.Ogilby

Date: January and  
March 1953

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): Inapplicable

Date:

Mean High Water Location (III) (State date and method of location):

Air Photo Compilation - March 1953

Projection and Grids ruled by (IV): Joan Thuma (WO)

Date: 3 Sept. 1953

Projection and Grids checked by (IV): H.D.Wolfe (WO)

Date: 9 Sept. 1953

Control plotted by (III): R.R.Wagner

Date: 18 Oct. 1954

Control checked by (III): R.J.Pate

Date: 18 Oct. 1954

Radial Plot or Stereoscopic

Control extension by (III): M.M.Slavney

Date: 6 Jan. 1955

Planimetry

Stereoscopic Instrument compilation (III):

Inapplicable

Contours

Date:

Date:

Manuscript delineated by (III): R.A.Reece

Date: 4 April 1955

Photogrammetric Office Review by (III): J.A.Giles

Date: 3 May 1955

Elevations on Manuscript

checked by (II) (III): Inapplicable

Date:

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

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
39434	28 September 1952	11:25	1:20,000	0.2
39435	"	11:26	"	"
39436	"	11:26	"	"
39437	"	11:27	"	"
39605	29	11:56	"	1.2
39606	"	11:57	"	"
39607	"	11:58	"	"

*1956 single-lens photography:*  
*56-W-4318 - 20 24 October 1956 1:30 000*  
*" " 4467 - 71 " " " "*  
*54711 - 12 15 October 1956 1:20 000*  
*54739 - 41 " " " "*

Tide (III)  
(Predicted)

Diurnal

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

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

Washington Office Review by (IV):

*Josef J. Streifler*

Date:

*Nov. 1958*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

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

*14*

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

*11*

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

Control Leveling - Miles (II):

*None*

Number of Triangulation Stations searched for (II):

*4*

Recovered: *1*

Identified: *1*

Number of BMs searched for (II):

*3*

Recovered: *3*

Identified: *0 \**

Number of Recoverable Photo Stations established (III):

*None*

Number of Temporary Photo Hydro Stations established (III):

*None*

Remarks: \* Tidal bench marks which are triangulation station DUFFY, RML and R.M2



Summary  
to accompany planimetric map T-9868

T-9868 is a planimetric map of project Ph-90 (6090). This project consists of planimetric and topographic maps extending from Atchafalaya Bay eastward to Barataria Bay and covers the coastal area on the Gulf of Mexico in Louisiana.

This planimetric map falls near the west end of the project and covers the southernmost tip of Point au Fer Island. Except for a narrow fringe of shell deposit along the south and west shore the entire island is marsh. On the east bank of Oyster Bayou there are several shrimp-drying platforms and cabins, the only signs of seasonal habitation within the limits of subject area.

Originally completed in 1955 from 1952 nine-lens photography and 1953 field inspection the compilation manuscript was revised in 1957 from 1957 single-lens photography without benefit of additional field inspection nor completion survey. This was accomplished according to instructions at the Tampa District Office. The final reproduction copy is the result of an adequately scribed sheet and only minor corrections were applied during Washington Office Review.

A copy of this map will also be forwarded to the U. S. Geological Survey (according to instructions of 30 Sept. 1952) for the purpose of incorporating the information in the preparation and publication of a new topographic quadrangle at the scale of 1:62500.

A cronar film positive at the compilation scale of 1:20000 and the Descriptive Report will be registered and filed in the Bureau Archives.

Nov. 1958

2. AREAL FIELD INSPECTION

This area is entirely marsh except for a narrow shell bank tossed up over the marsh shoreline of the Gulf of Mexico.

Water transportation is the sole means of surface transport by which the area can be reached.

Field inspection is believed to be adequate and complete with no items deliberately left for completion by the field editor.

Photographic quality was good with no difficulty encountered in interpretation of the field prints.

Field inspection was done on field prints of nine-lens photographs 39431 through 39434 and 39533.

3. HORIZONTAL CONTROL

The following Coast and Geodetic Survey triangulation stations were reported lost: OYSTER 1928; OYSTER RM 2 1928 and BEACH 1928.

No supplemental control was established.

4. VERTICAL CONTROL

Oyster Bayou Tidal Bench Marks 1, 2 and 3 were recovered. None were identified as they are triangulation DUFFY and its two reference marks.

No supplemental control was established.

5. CONTOURS AND DRAINAGE

Contouring was limited to an examination of the area for possible revision of contours as published on the existing quadrangle map. No revisions were necessary.

Drainage is entirely tidal and is adequately covered by the photographs.

6. WOODLAND COVER

There is none.

7. SHORELINE AND ALONGSHORE FEATURES

Shoreline along the Gulf of Mexico is the same as that described in Item 7, Field Inspection Report, Quadrangle T-9869( ).

Remaining shoreline is apparent (edge of marsh).

Alongshore features consist of cabins and shrimp drying platforms along the east shore of Oyster Bayou.

8. OFFSHORE FEATURES

Adequately covered by the photographs.

9. LANDMARKS AND AIDS

There are no landmarks or aeronautical aids.

One aid to navigation was listed on Form 567. It is Oyster Bayou Light, located by triangulation in 1909 and still in its original position.

10. BOUNDARIES. MONUMENTS AND LINES

For political boundaries, see "Special Report, Boundaries, Project Ph-90".

For land lines data, see "Special Report, Public Land Lines, Project Ph-90."

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

There are none.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-90."



14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Letter of Transmittal No. 90-5, Forms 567, to be forwarded to Washington Office at a later date.

Letter of Transmittal No. 90-6, Forms 567, to be forwarded to Photogrammetric Office at a later date.

Letter of Transmittal No. 90-7, "Special Report, Public Land Lines, Project Ph-90" and other land lines data, forwarded to the Washington Office 29 April 1953.

Letter of Transmittal dated 28 January 1953, land lines data forwarded to Washington Office same date.

Letter of Transmittal No. 90-8, "Special Report, Geographic Names, Project Ph-90" to be forwarded to Washington Office at a later date.

Letter of Transmittal No. 90-9, "Special Report, Boundaries, Project Ph-90" forwarded to Washington Office 6 May 1953.

Letter of Transmittal No. 90-41, Data, Quadrangle T-9868(     ), forwarded to Washington Office MAY 21 1953

Submitted  
20 May 1953

*Isaiah Y. Fitzgerald*  
Isaiah Y. Fitzgerald  
Photo. Engineer

Approved & Forwarded

MAY 21 1953

*E. H. Kirsch*  
E. H. Kirsch  
Chief of Party

COMPILATION REPORT T-9868PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9672

31. DELINEATION

The manuscript was delineated by the graphic method.

Photographs were clear and of fair scale. The field inspection was adequate.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

The drainage was shown according to field inspectors notes and photo interpretation.  
Contours are inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline has been shown according to field inspectors notes. No low-water or shoal lines have been shown.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

Reference Item (9) Nine.

38. CONTROL FOR FUTURE SURVEYS

None established.

39. JUNCTIONS

A Satisfactory junction has been made with Survey T-9807 to the north; T-9869 to the east; and T-9971 to the west.

There is no contemporary survey to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. BOUNDARIES AND PUBLIC LAND LINES

Since all of the land area falls in TERREBONNE PARISH no boundary line has been shown.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with Planimetric Maps T-5389 and T-5662, scale of 1:20,000, dated 1931. There are few changes of note other than those in the shoreline which has receded from 50 to 100 feet in most places. Other features remain about the same.

Comparison has also been made with Corps of Engineers. Topographic Quadrangle "OYSTER BAYOU", scale 1:62,500, 1935 edition. They compare favorably.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with C&GS Chart No.1275, scale 1:80,000, published May 1938, bearing a print date of 18 August 1952.

The maps listed under Item 46 appear to be the source of the topography used on the nautical charts and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*Richard A. Reece*  
Richard A. Reece  
Carto Photo Aid

Approved & Forwarded:

*H. C. Applegate*  
*for*

Ira R. Rubottom, Chief of Party

SCALE FACTOR

[illegible]

COMM-DC-57843

48. GEOGRAPHIC NAME LIST

BAY CASTAGNIER

FOURLEAGUE BAY

GULF OF MEXICO

LITTLE MOSQUITO BAYOU  
LOUISIANA

OYSTER BAYOU

VOUVIA BAYOU

POINT au FER ISLAND

TERREBONNE PARISH

Names approved 11-18-58  
Originally approved 11-27-58  
L. HECK

49. NOTES FOR THE HYDROGRAPHER

None



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

Photogrammetric Review Branch

TO BE CHARTED  
~~TO BE CHARTED~~

STRIKE OUT ONE

NONFLOATING AIDS ~~ON THE COAST OF FLORIDA~~ FOR CHARTS

Tampa Florida

March 18

1955

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

The positions given have been checked after listing by

Richard A. Reese, Carto Photo Aid

Ira R. Rubottom

Chief of Party.

STATE	LOUISIANA	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE*		LONGITUDE*		DATUM							
					° ' "	D. M. METERS	° ' "	D. P. METERS								
		LIGHT	OYSTER BAYOU White, wooden dwelling on pilings, east side entrance(OYSTER BAYOU LIGHTHOUSE 1909)		29 12	41.578 1280.1	91 07	68.869 1328.0	N A 1927	Triang T-9868	1909	X				1050 1274
																15 14

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. The data should be considered as being in the same form as that

50.

## PHOTOGRAMMETRIC OFFICE REVIEW

T- 9868

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

## CONTROL STATIONS

5. Certification label unclassified

5. Horizontal control stations of third-order or higher accuracy M.M.S. 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) XX 7. Photo hydro stations XX 8. Bench marks XX 9. Plotting of sextant fixes XX 10. Photogrammetric plot report J.G. 11. Detail points J.G.

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline J.G. 13. Low-water line XX 14. Rocks, shoals, etc. XX 15. Bridges XX 16. Aids to navigation J.G. 17. Landmarks XX 18. Other alongshore physical features J.G. 19. Other along-shore cultural features J.G.

## PHYSICAL FEATURES

20. Water features J.G. 21. Natural ground cover J.G. 22. Planetable contours XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features J.G.

## CULTURAL FEATURES

27. Roads XX 28. Buildings J.G. 29. Railroads XX 30. Other cultural features J.G.

## BOUNDARIES

31. Boundary lines J.G. 32. Public land lines J.G.

## MISCELLANEOUS

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

40. Jesse A. Giles William A. Rasure  
Jesse A. Giles Reviewer William A. Rasure 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:

Review Report of  
Planimetric Map T-9868  
November 1958

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

T-1690	1:20000	1886
T-1692	1:20000	1886
T-2943	1:20000	1909
T-5389	1:20000	1934
T-5662	1:20000	1931-35
T-6324 <sup>a</sup> <sub>b</sub>	1:10000	1935
T-6324 <sub>c</sub>	1:20000	1935

Subject survey's land area represents a portion of Point au Fer Island, whose shoreline has been subjected to extensive changes since the first survey of 1886. During the last twenty years this shoreline has receded considerably and T-9868 should supercede above-listed topographic surveys for nautical charting purposes of common areas.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

OYSTER BAYOU, LA., 1:62500, 1935 CORPS of ENG., WAR DEPT

Shoreline changes indicated under item No. 62 apply in this comparison also.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

None!

65. COMPARISON WITH NAUTICAL CHARTS:

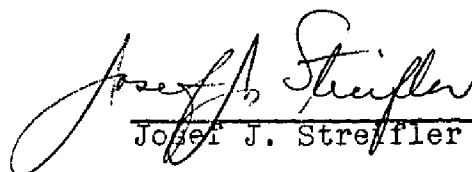
1275	1:80000	Revised to 57 9/16
1050	1:175000	Revised to 58 5/12

The portion of Point au Fer Island shoreline covered by subject survey differs sufficiently from nautical chart 1275 to warrant consideration for application, when and if this nautical chart is up for revision the next time. The smaller scale nautical chart (1050) appears adequate in this respect, considering scale difference.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

The revised compilation manuscript from office interpretation of 1956 photography appears adequate. Tendencies in shoreline changes may be anticipated for future surveys.

Reviewed by:

  
Joseph J. Streifler

APPROVED BY:

*L. C. Lande*Chief, Review & Drafting Section  
Photogrammetry Division*Max Blacketto*Chief, Nautical Chart Branch  
Charts Division*L. W. Swanson*Chief, Photogrammetry Division

24 Nov. '59.

*[Signature]**J. Bowie*Chief, Coastal Surveys Division

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-9868

### Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.