

# 9971

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-90B Office No. T-9971

### LOCALITY

State Louisiana

General locality Gulf Coast

Locality Point Au Fer Island

Burkes Bayou

19# 52-56

### CHIEF OF PARTY

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

### LIBRARY & ARCHIVES

DATE July 16, 1959

B-1870-1 (1)

# 1269

DESCRIPTIVE REPORT - DATA RECORD

T-9971

Project No. (II): Ph-90B

Quadrangle Name (IV):

Field Office (II): Houma, Louisiana

Chief of Party: E.H.Kirsch

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Ira R. Rubottom

Instructions dated (II) (III): 5 Sept. 1952

Copy filed in Division of  
Photogrammetry (IV)

Supplement 1- 25 " "  
" 2- 30 " "

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 19 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): M.H.W.

~~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): FISH, 1933

Lat.: 29°19'18"929(582.8m)

Long.: 91°17'25".569(689.9m)

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.

\* Station falls within quadrangle T-9806

FORM 181a  
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

[illegible]

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): I.Y. Fitzgerald

Date: May 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): Austin Riley(WO)

Date: 8 Sept. 1953

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

Date: 9 Sept. 1953

Control plotted by (III): None

Date:

Control checked by (III): None

Date:

Radial Plot of Stereoscopic

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

Date: 7 Jan. 1955

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Inapplicable

Date:

Date:

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

Date: 15 June 1955

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

Date: 20 June 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
39436	28 Sept. 1952	11:26	1:20,000	0.2
39437	" " "	11:27	"	0.2
39607	29 Sept. 1952	11:58	"	1.2
39608	" " "	11:59	"	1.2

*1956 Photography:*  
*56-W-4465, 66, 67 24 October 1956 1:30 000*

Tide (III)  
(Predicted)

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

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 2

Shoreline (More than 200 meters to opposite shore) (III): 2

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 0

Recovered: 0

Identified: 0

Number of BMs searched for (II): 0

Recovered: 0

Identified: 0

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

Diurnal

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

Date:

*Nov. 1958*

Date:

Date:

Date:

Summary  
to accompany planimetric map T-9971

T-9971 covers approximately two square miles of the southwest part of the Island of Point au Fer, which is situated east of Atchafalaya Bay on the Gulf of Mexico in the State of Louisiana. It is one of 18 planimetric maps of project Ph-90 (6090), which includes 19 topographic surveys also.

The small portion of above-stated island is all of the land area of this quadrangle. With the exception of a narrow fringe of shell parallel to and near the shoreline said area is all marsh with no cultural objects. Erosion causes a gradual recession of the shoreline (over 300 feet between 1934 and 1956) and there is no control within subject area.

This planimetric map was compiled at the Tampa District Office in 1955 from 1952 nine-lens photography and results of 1953 field inspection. The compilation manuscript was revised in 1957 at the same field office from 1956 single-lens photography by office interpretation only. Normally required additional field inspection to cover the later photography and completion survey was not deemed essential in this particular case and the applied method appears adequate.

A copy of this final reproduction medium for registration will be submitted to the Geological Survey for their use in the publication of a series of quadrangles at the scale of 1:62500 (see instructions 30 Sept. 1952).

A cronar film positive at compilation manuscript scale of 1:20,000 and the Descriptive Report will be registered and filed in the Bureau Archives.

July 1958

2. AREAL FIELD INSPECTION

The entire quadrangle is in the Gulf of Mexico except for approximately 2 square miles in the northeast corner.

For description of this land area, see Item 2, Field Inspection Report, Quadrangle T-9868( ).

Field inspection was performed on photograph 39437.

3. HORIZONTAL CONTROL

No horizontal control is located within the quadrangle. None was established.

4. VERTICAL CONTROL

No vertical control is located within the quadrangle. None was established.

5. CONTOURS AND DRAINAGE

See Item 5, Field Inspection Report, Quadrangle T-9868( ).

6. WOODLAND COVER

There is none.

7. SHORELINE AND ALONGSHORE FEATURES

See Item 7, Field Inspection Report, Quadrangle T-9869( ).  
There are no alongshore features.

8. OFFSHORE FEATURES

There are none.

9. LANDMARKS AND AIDS

There are none.

10. BOUNDARIES, MONUMENTS AND LINES

There are no political boundaries in the area.

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



11. OTHER CONTROL

There is none.

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. 90-7, "Special Report, Public Land Lines, Project Ph-90," and other land lines data, forwarded to 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. 90-45, Data, Quadrangle T-9971( ), forwarded to Washington Office MAY 21 1953

Submitted  
20 May 1953

*William M. Reynolds*  
William M. Reynolds  
Cartographic Survey Aid

Approved & Forwarded  
MAY 21 1953

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



MAP T-9971

PROJECT NO. Ph-90 (52)

SCALE OF MAP..... 1:20,000

SCALE FACTOR

[illegible]

; FT = 3048006 METER

COMPUTED BY:

DATE \_\_\_\_\_

CHECKED BY:

DATE \_\_\_\_\_

COMM-DC-57843

COMPILATION REPORT T-9971

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9672

31. DELINEATION

The manuscript was delineated by the Graphic Method.

Photographs were of reasonably good scale, and the field inspection was adequate. No unusual methods of compilation were used.

32. CONTROL

Reference, Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

The drainage is apparent.  
Contours are inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

There was adequate inspection. The shoreline has been shown according to field inspector's notes. No low-water or shoal lines have been shown.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None established

39. JUNCTIONS

A satisfactory junction has been made with Survey T-9806 to the North and T-9868 to the East.  
There are no contemporary surveys to the West and South.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with Planimetric Maps T-5389, scale of 1:20,000, dated 1931. It compares favorably with this compilation.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with C&GS Chart No. 1276, scale 1:80,000, published March 1939, bearing a print date of 9 February 1953.

The map mentioned under Item 46 is probably the source of the planimetry used on the Chart and the same minor differences apply.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

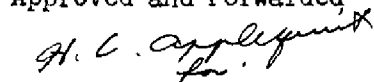
None

ITEMS TO BE CARRIED FORWARD

None

  
Richard A. Reece  
Carto. Photo Aid.

Approved and Forwarded

  
Ira R. Rubottom, Chief of Party.

T-9971.

Geographic Names.

Burkes Bayou

Gulf of Mexico

Louisiana

Point au Fer Island

Terrebonne Parish

Names approved 11-27-56

L. Heck

L.H.

## PHOTOGRAMMETRIC OFFICE REVIEW

T- 9971

1. Projection and grids J.G. 2. Title J.G. 3. Manuscript numbers J.G. 4. Manuscript size J.G.40. Classification label Unclassified

## CONTROL STATIONS

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) XXX 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 XX 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 XX 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  
Jesse A. Giles ReviewerWilliam A. Rasure  
Supervisor, Review Section or Unit  
William A. Rasure

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:

M-2623-12

13

Review Report of  
Planimetric Map T-9971  
July 1958

62. Comparison with Registered Topographic Surveys:

T-1690	1:20,000	1886
T-5389	1:20,000	1934
T-6323a	1:20,000	1935
T-6324 a 1:10,000 b 1:20,000		1935

The shoreline of the southwest portion of Point au Fer Island, covered by this survey, has receded gradually over the last twenty years. It is this coastline only that differs from previous topographic surveys and T-9971 should be used for nautical charting purposes of this particular portion of the island.

63. Comparison with Maps of Other Agencies:

There are no previously published maps of this portion of Point au Fer Island.

64. Comparison with Contemporary Hydrographic Surveys:

None!

65. Comparison with Nautical Charts:

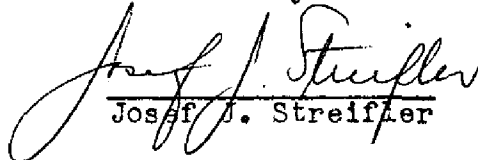
1275	1:80,000	Revised to 57 9/16
1276	1:80,000	Revised to 57 11/11
1050	1:175000	Revised to 58 5/12

There is good agreement between subject survey and above-listed nautical charts.

66. Adequacy of Results and Future Surveys:

The application of information from later photography (1956 single-lens) to the original compilation manuscript by office interpretation only seems appropriate in this case. There are no indications of accuracy or adequacy deficiencies.

Reviewed by

  
Josef J. Streifler

Approved by:

*L.C. Landy*

Chief, Review & Drafting Sec.  
Photogrammetry Division

*L.W. Sauson*

Chief, Photogrammetry Div.

16 July 59 *09/59*

*Max Skellett*

Chief, Nautical Chart Branch  
Charts Division

*J.S. Seale*

Chief, Coastal Surveys Div.



## NAUTICAL CHARTS BRANCH

SURVEY NO. T-9971

### 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.