

# 9863

Diag. Cht. Nos. 1116-2 & 1274-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-90 Office No. T-9863

### LOCALITY

State Louisiana

General locality Gulf Coast

Locality Bayou Barbue to Bayou Terrebonne

1952-56

### CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

H.C.Applequist, Tampa Photo. Office

### LIBRARY & ARCHIVES

DATE December 17, 1959

B-1870-1 (1)

9863

DESCRIPTIVE REPORT - DATA RECORD

T - 9863

Project No. (II): 24200

Quadrangle Name (IV):

Field Office (II): HOUMA, LA.

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Tampa Florida

Officer-in-Charge: H. C. Applequist

Instructions dated (II) (III): 5 September 1952  
25 September 1952(Supplement 1)  
30 September 1952(Supplement 2)

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): 28 SEP 1955

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): Tambour 1934

Lat.: 29° 19' 21" .000 (646.5m)

Long. 90° 34' 29" .306 (790.8m)

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

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

PLANIMETRIC

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): B. F. Lampton Jr.  
C. H. Baldwin

Date: Dec. 1952  
Feb. 1953

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): *Elgan T. Jenkins*

Date: *March 1957*

Mean High Water Location (III) (State date and method of location): Air Photo Compilation  
29 September 1952

Projection and Grids ruled by (IV): J. Thuma (W.O.)

Date: 1 Sept. 1953

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

Date: 4 Sept. 1953

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

Date: 21 Oct. 1954

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

Date: 21 Oct. 1954

Radial Plot ~~or Stereoscopic~~

Date: 7 Oct. 1955

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

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours Inapplicable

Date:

Date:

Manuscript delineated by (III): R. R. Wagner

Date: 30 April 1956

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

Date: 31 August 1956

Elevations on Manuscript  
checked by (II) (III): None

Date:

## DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&amp;GS 9-Lens Camera

## PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
39581	29 Sept. 1952	11:21	1:20,000	1.1
39582	"	11:22	"	"
39583	"	11:23	"	"
39595	"	11:44	"	"
39596	"	11:45	"	"
39597	"	11:46	"	"

1956 single-lens photography:  
56-W- 4245 to incl. 4249 23 October 1956 1:30000  
4487 " " 4291 24 " " "  
4531 " " 4536 " " " "  
4590 " " 4595 " " " "

Tide (III)  
Predicted Tides

Reference Station: Pensacola  
Subordinate Station: Raccoon I., Terrebonne Bay  
Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal Spring Range
--	--	1.3
0.9	--	1.2

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): 42

Shoreline (More than 200 meters to opposite shore) (III): 80

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 4

Recovered: 2

Identified: 2

Number of BMs searched for (II): 4

Recovered: 0

Identified: 0

Number of Recoverable Photo Stations established (III): None

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

Remarks: One triangulation station established.



### Summary

to accompany planimetric map T-9863

This is one of 18 planimetric maps of project PH-90 (6090), which includes also 19 topographic quadrangles. The project is located in the State of Louisiana and covers a portion of the Mississippi River Delta, southwest of New Orleans and bordering on the Gulf of Mexico.

T-9863 falls near the center of the project and covers a marshy land area northwest of and adjacent to Lake Barre. Although there is considerable exploration and development of oil in this whole project area, generally, it has not penetrated subject area as yet, as there is little evidence of such activity. In the northwest corner only - along Bayou Petit Caillon and Bayou Terrebonne - there are a few buildings and limited woodland areas.

Originally compiled in 1956 from nine-lens photography of 1952 and field inspection of 1953 at the Tampa District Office, the compilation manuscript was revised in 1958 from 1956 single-lens photography and results of field edit of March 1957. This field edit, however, was limited to areas accessible by road (as per instructions) and only the very northwest corner - along State Road No 56 - was field edited. The remaining revisions are based on office interpretation only, and appear adequately covered.

A copy of this planimetric compilation with contour revisions will be submitted to the U. S. Geological Survey to support 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

The area is all marsh except for a narrow strip of fast land along both sides of Bayou Terrebonne and Bayou Petit Caillou in the northwest corner of this quadrangle.

State Highway 81 parallels Bayou Terrebonne on the east side and terminates just inside this quadrangle as a shell road. State Highway 79 parallels Bayou Petit Caillou on the west side,

Field inspection was performed on nine-lens field photographs 39581, 39582, 39595, 39596 and 39597.

As photography was of a fairly recent date little difficulty was encountered in their interpretation. Field inspection is believed to be complete as of 1 April 1953 with no field work being deliberately left for completion surveys.

## 3. HORIZONTAL CONTROL

All existing horizontal control was searched for and identified if recovered. No supplemental control was established.

The following are Coast and Geodetic Survey triangulation stations reported lost: ODOR 1934 and TARGET 1934.

Station FLEURETTE 2 1953 was established as control maintenance and not supplemental control.

## 4. VERTICAL CONTROL

Three tidal bench marks and one U.S.G.S. bench mark was searched for but none were recovered. No supplemental vertical control was established.

## 5. CONTOURS AND DRAINAGE

Contouring was limited to revision of original Geological Survey contours as shown on the published Dulac Quadrangle of standard fifteen minute series. These contours were transferred to Navy single-lens photographs by the Washington Office to facilitate field work. The entire area was closely checked for changes at time of interior field and shoreline inspection. The only changes found were several small contours on spoil on Bayou Terrebonne and have been shown on photograph 39581.

Drainage of the area is by the bayous and canals and is adequately covered by the photographs and field inspection notes where necessary.

6. WOODLAND COVER

Adequately covered by the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line along the bayous is easily interpreted but has been indicated by symbol at intervals to aid the compiler. The shoreline in the remainder of the area, which is all marsh, is apparent at edge of marsh.

The mean low water line is synonymous with the mean high water line.

All alongshore features are adequately covered by the photographs and shoreline inspection notes.

8. OFFSHORE FEATURES

None

9. LANDMARKS AND AIDS

There are no landmarks or aids of any type within the area.

10. BOUNDARIES, MONUMENTS AND LINES

There are no political boundaries within the area.

See "Special Report, Public Land Lines, Project Ph-90".

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

All roads and all buildings, except as noted in the following, have been classified in accordance with Part II, Topographic Manual. There are numerous trappers' cabins scattered throughout the marsh area which are landmark features in themselves due to the lack of other cultural features although they are not of substantial construction. They have been indicated by the notation "cabins" on the photographs. It is recommended that they be classified as Class 1 buildings.

There are no airports or landing fields in the area.

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", forwarded to Washington Office 29 April 1953.

Letter of Transmittal (No number), Public Land Lines data, forwarded to Washington Office 28 January 1953.

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. 90-17, Data, Quadrangle T-9863(     ),  
forwarded to Washington Office **MAY 5 1953**

Submitted  
4 May 1953

*Charles H. Baldwin*  
Charles H. Baldwin  
Cartographic Survey Aid  
*by D. J. Fitzgerald*

Approved & Forwarded  
**MAY 5 1953**

*E. H. Kirsch*

E. H. Kirsch  
Chief of Party

SCALE FACTOR

[illegible]

DATE.....10/20/53

COMPILATION REPORT T-9863PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9865.

31. DELINEATION

The graphic method was used.

The photographs were of very poor scale and all had some tilt.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

No statement.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate.

There are no low water or shoal lines shown.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

Reference Item 9.

38. CONTROL <sup>FOR</sup> AND FUTURE SURVEYS

There are no topographic or photo-hydro stations.

39. JUNCTIONS

Junctions were made with T-9862 to the west, T-9674 to the north, T-9873 to the south and T-9864 on the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

See Descriptive Report for T-9862.

All section lines in T-19SR18E and T-20SR18E appear to be good but should be shown as unreliable. The only control for these townships was Bayou Terrebonne and Bayou Petit Caillou.

T-21S R18E have not been shown. The only control is Bayou Terrebonne and the GLO plot could not be fitted without a lot of distortion and overlap of sections within a township and into T-20S R18E. Reference USGS Quadrangle DULAC, LA. for the appearance of the overlapping.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS Planimetric Map T-5293(1933) scale 1:20,000 and USGS Quadrangle DULAC, LA.(1944), scale 1:62,500. They are in fair agreement.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS Chart 1050 (1939) scale 1:175,000 corrected to 23 June 1952. The two appear to be in good agreement. The maps listed under Item 46 appear to be the source of Topography and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

*R. R. Wagner*  
R. R. Wagner  
Carto Photo Aid.

Approved and Forwarded

*H. C. Applequist*  
H. C. Applequist  
Chief of Party

T-9863.

Geographic Names.Bay BourbeuxBay la FleurBay la PourBay NegresseBayou BarbusBayou Barre~~Bayou Bourbeux~~Bayou Charles TheriotBayou ChitigueBayou ChouvertBayou de ~~Mou~~ MangueBayou du CourantBayou de l'OuestBayou DufreneBayou GuillaumeBayou JackBayou la FleurBayou la CacheBayou LucienBayou Petit CaillonBayou PortageBayou TambourBayou TerrebonneBush CanalFlat BayouGrand BayouGrand Bayou BourbeuxLake BarreLake TambourLouisianaMadison BayOyster BayouPetit Bayou BourbeuxTerrebonne Parish

Apparently road numbers have recently been changed in Louisiana. The 1955 Terrebonne Parish Highway Map has No. 56 in place of the former No. 79, and No. 55 in place of the former No. 81. The latest State Highway Map does not show numbers for these minor roads, nor are they numbered in the 1956 Louisiana Map in Rand McNally (altho Nos. 79 and 81 are in the 1955 Rand McNally Road Map).

Names approved 11-27-56

L. Heck.

50.

## PHOTOGRAMMETRIC OFFICE REVIEW

T-9863

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

UNCLASSIFIED

1a. Classification label

## 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) 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 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 J.G. 25. Spot elevations J.G. 26. Other physical features J.G.

## CULTURAL FEATURES

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

## BOUNDARIES

31. Boundary lines XX 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. Rosare  
William A. Rosare Supervisor

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

FIELD EDIT REPORT  
MAP T-9863

51. METHODS

Field edit was done in accordance with standard accepted practice and instructions as modified by:

(a) Bureau letter 711-lmh to Tampa District Office, subject: Field Edit-Project 24200 (Ph-90), Topographic and planimetric maps-Louisiana Coast, dated 2 January 1957.

(b) Bureau letter 711-lmh to Tampa District Office, subject: Location of Oil Wells-Project 24200 (Ph-90), dated 20 January 1957.

(c) Bureau letter 73-dmm to Chief, Photogrammetric Party No. 1, subject: Field Edit-Project 24200 (Ph-90), Louisiana, dated 20 February 1957.

There were no additions to the map in the area and a small amount of deletion which is shown on the discrepancy print with green ink. There is no sheet used as a field edit sheet and no work is shown on any photographs.

A note is shown on the discrepancy print explaining the color ink used on field edit.

52. ADEQUACY OF COMPILATION

The compilation will be adequate with the application of the field edit data and other identifiable features of the 1956 photography.

53. MAP ACCURACY

No test of any type, for horizontal accuracy, was made of the mapped features within this map.

54. RECOMMENDATIONS

None offered.

55. EXAMINATION OF PROOF COPY

Mr. C. E. Bridges, Chief Civil Engineer, of the Louisiana Land and Exploration Company, P. O. Box 231, Houma, Louisiana has agreed to have his office examine a proof copy of any maps of this project that may be submitted to him. The Louisiana Land and Exploration



Company owns about twenty five percent of the land within the limits of this project and have men that are familiar with the area that patrol this property.

Mr. Bridges office is highly interested in seeing accurate maps published of the area and are willing to have their office and field men examine the maps for any discrepancies that may exist in geographic names and other pertinent details.

Submitted 15 March 1957

*Elgan T. Jenkins*  
Elgan T. Jenkins  
Cartographer

Approved:

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

Review Report of  
Planimetric Map T-9863  
November 1958

62. Comparison with Registered Topographic Surveys:

T-2751	1:20,000	1906
T-5293	1:20,000	1934

T-2751 covers only the southern portion of subject survey and shoreline differences between these two surveys are considerable. There is much better agreement between T-5293 and T-9863 and only minor differences were noted. Subject survey is to supersede above listed topographic surveys for nautical charting purposes of common areas.

63. Comparison with Maps of Other Agencies:

Dulac, La., 1:62500, Ed. of 1944, U. S. Geological Survey  
There is good agreement between these two surveys.

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

1274	1:80,000	Revised to 58 6/23
1050	1:175000	" " 58 5/12

There is good agreement between the two nautical charts and subject planimetric map.

66. Adequacy of Results and Future Surveys:

This survey is within the requirements of adequacy and accuracy.

APPROVED BY:

R. C. Lande  
Chief, Review & Drafting Section  
Photogrammetry Division

L. W. Swanson  
Chief, Photogrammetry Division

Reviewed by  
Josef J. Streifler  
Josef J. Streifler  
Max Chalketts  
Chief Nautical Chart Branch  
Charts Division

J. Bowie  
Chief, Coastal Surveys Division

19 Nov. 59

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-9863

### 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.