

# 9866

Diag. Cht. Nos. 1273-2 & 1274-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-90A Office No. T-9866

### LOCALITY

State Louisiana

General locality Louisiana Coast

Locality Bayou Ferblanc

1952-57

### CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

H.C.Applequist, Tampa Photo. Office

### LIBRARY & ARCHIVES

DATE January 2, 1959

B-1870-1 (1)

# 9866

DESCRIPTIVE REPORT - DATA RECORD

T - 9866

Project No. (II): **24200 (Ph-90A)** Quadrangle Name (IV):

Field Office (II): **Houma, La.**

Chief of Party: **B. H. Kirsch**

Photogrammetric Office (III): **Tampa, Fla.**

Officer-in-Charge: **H. C. Applequist**

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

Copy filed in Division of  
Photogrammetry (IV)

**Supplement 1 - 25 Sept. 1952**

**Supplement 2 - 30 Sept. 1952**

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): **11-20-56** Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

**7/14/58**

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): **SET 1934**

Lat.: **29°19'00".603 (18.6m)**

Long.: **90°08'17".797 (480.2m)**

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

All work by W. M. REYNOLDS

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **W. M. Reynolds**

Date: **Jan. - Feb. 1953**

Planetable contouring by (II): **W. M. Reynolds**

Date: **Jan. - Feb. 1953**

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

Date: *19 March 1957*

Mean High Water Location (III) (State date and method of location): **Feb. 1953**  
**Air Photo Compilation**

Projection and Grids ruled by (IV): **Austin Riley (W. O. )**

Date: **2 Sept. 1953** ✓

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

Date: **8 Sept. 1953** ✓

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

Date: **22 Oct. 1954** ✓

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

Date: **22 Oct. 1954** ✓

Radial Plot ~~or Stereoscopic~~ **M. M. Slavney**  
Control extension by (III):

Date: **26 Apr. 1956** ✓

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours **Inapplicable**

Date:

Date:

Manuscript delineated by (III): **R. E. Smith**

Date: **Oct. 1956** ✓

Photogrammetric Office Review by (III): **W. H. Shearouse**

Date: **7 Nov. 1956** ✓

Elevations on Manuscript **W. H. Shearouse**  
checked by *W* (III):

Date: **7 Nov. 1956** ✓



## DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **C&GS Nine-lens**

Number	Date	Time	Scale	Stage of Tide
39589	29 Sept. 1952	1138	1:20,000	Inapplicable
39590	"	1139	"	"
39541	"	1028	"	"
39542	"	1029	"	"

*Single-lens Photography:*

*SB-W-4232 to incl. 4236 23 Oct. 1956 1:30 000*  
*SB-W-4519 " " 4523 24 " "*  
*SB-W-4603 " " 4608 " " "*

Tide (III)

**Inapplicable**Reference Station:  
Subordinate Station:  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

*J. J. Streifler*Date: *12 Sept. 1958*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **63**Shoreline (More than 200 meters to opposite shore) (III): **20**~~Shoreline (Less than 200 meters to opposite shore) (III):~~

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): **8**Recovered: **3**Identified: **3**Number of BMs searched for (II): **0**Recovered: **0**Identified: **9\***Number of Recoverable Photo Stations established (III): **none**Number of Temporary Photo Hydro Stations established (III): **none**

Remarks:

**\* 11 Bench Marks were established, see Item 4, of which 9 were identified**

Summary  
to accompany topographic map T-9866

T-9866 is a topographic survey of Ph-90 (6090). It covers an area in the vicinity of Mink Bayou, directly north of the town of Leeville--between Timbalier Bay and Barataria Bay in the State of Louisiana near the Gulf of Mexico.

The area is practically all marsh with varying sizes of bodies of water. Additional canals are being dredged in the exploration and development of oil in the southwestern portion of subject area. Louisiana State Highway No. 1--between the towns of Leeville and Golden Meadow--runs along the western border of this quad and the only culture and smaller areas of woodland may be found on or near this road.

Originally compiled in 1955 from 1952 photography and 1953 field inspection, manuscripts of this project were revised (some extensively) in 1957 based on 1956 single-lens photography and partial field edit of March 1957. The positive medium for reproduction of this quadrangle as submitted to the Washington Office by the Tampa District Office is the result of an adequately scribed sheet.

Hydrographic information will be added to a copy of the compilation according to U. S. Geological Survey specifications and released to that agency for the publication of a standard  $7\frac{1}{2}$  minute quadrangle at the scale of 1:24,000. This will replace a previous publication of the same area (Mink Bayou, La.) by the Geological Survey of 1935 at the scale of 1:31680.

A cronar film positive at manuscript scale of 1:20,000 and the Descriptive Report, as well as a print in colors after final printing by G. S. will be registered and filed in the Bureau Archives.

Sept. 1958

## 2. AREAL FIELD INSPECTION

This quadrangle is located in southern Louisiana, just southeast of the town of Golden Meadow. The entire area is marsh and is uninhabited except for the homes along the highway which parallel Bayou Lafourche. Several cabins are located throughout the marsh and are occupied seasonally by trappers.

The area is accessible by boat along Bayou Lafourche and the many canals which have been dug in the area. One highway crosses the quadrangle in a north to south direction.

The principal industries are the exploration and development of oil and natural gas fields and the trapping of muskrat.

A feature of the area is a number of old bayous which have filled in and now contain water only in isolated sections. The shoreline of these bayous should be drafted only where water is visible on the photographs.

Field inspection is believed complete and was performed on the following field photographs: 39512, 39540, 39541, 39542, 39589, and 39590. The oil companies are frequently digging canals to drilling sites and some canals since photography were located by planetable. The field editor should check the area for any canals since field inspection.

The photography was of recent date and of good quality. No difficulty was encountered in their interpretation in the field.

## 3. HORIZONTAL CONTROL

All control was searched for and where recovered was identified to aid in control of the radial plot.

The following stations were reported lost: GULF ICE CO STACK 1934; LON 1934; SAM 1934; TAP 1934, and OIL 1934.

No supplemental control was established by the field party.

## 4. VERTICAL CONTROL

No vertical control existed within this quadrangle prior to field inspection.

The field party ran a third-order level line along State Highway 620 from Grand Isle to Larose and bench marks were established at approximate one mile intervals. The following bench marks were established from the above levelling: F 154; G 154; H 154; J 154; K 154; L 154; M 154; N 154; ICE 1934; RM 2 ICE 1934, and RM 3 ICE 1934.

No fly levels were run by the field party.



5. CONTOURS AND DRAINAGE

Elevations, for contours, along the highway were determined by plane-table traverse between the previously mentioned bench marks. All closures were good.

See Item 5 of Field Inspection Report for Quadrangle T-9677( ) for method of determining elevations in the marsh areas. The Leeville and Martin Ice Co. tide staffs were tied to geodetic bench marks. Other tide staffs were tied to tidal bench marks.

6. WOODLAND COVER

Adequately covered by the photographs. ✓

7. SHORELINE AND ALONGSHORE FEATURES

Practically all shoreline is apparent and is plainly visible on the photographs. A few fills along Bayou Lafourche have produced some fast shoreline. The shoreline is also fast along canals where the spoil forms the bank of the canal.

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

All docks, wharves, piers and landings are adequately covered by notes on the field inspection photographs.

There are no submarine cables within the area. ✓

All other shoreline structures are adequately covered by notes on the photographs.

8. OFFSHORE FEATURES

Inapplicable. ✓

9. LANDMARKS AND AIDS

There are no landmarks or aids of any kind within this quadrangle.

10. BOUNDARIES, MONUMENTS AND LINES

There are no political boundaries in the quadrangle. ✓

See "Special Report, Public Land Lines, Project Ph-90", to be submitted at a later date.

11. OTHER CONTROL

No control of any kind was established by the field party. ✓



12. OTHER INTERIOR FEATURES

All roads have been classified in accordance with Paragraph 5441 of the Topographic Manual.

All buildings have been classified in accordance with Paragraph 5446 of the Topographic Manual.

There are no bridges or cables over navigable waters within the area.

There are no airports or landing fields within the area.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-90", to be submitted at a later date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Letter of Transmittal No. 90-1, Third-Order Level Line data, forwarded to Washington Office 22 December 1952.

Letter of Transmittal No. 90-7, Public Land Lines data and report, to be forwarded at a later 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, Public Land Lines data, forwarded to Washington Office 28 January 1953.

Letter of Transmittal No. 90-16, Data, Quadrangle T-9866, forwarded to Washington Office 4/29/53

Submitted  
14 April 1953

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

Approved & Forwarded  
4/29/53

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

MAP T-.....9866...

PROJECT NO. .... Ph-90.

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

SCALE FACTOR

[illegible]

COMPILATION REPORT T-9366PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9365. ✓

31. DELINEATION

The graphic method was used. The scale of the photographs was fair. Field inspection was adequate. ✓

32. CONTROL

Reference Photogrammetric Plot Report. ✓

33. SUPPLEMENTAL DATA ✓

None

34. CONTOURS AND DRAINAGE

Reference Item 5. ✓

Spot elevations only have been shown on the canal spoil banks. ✓

Drainage photogrammetrically interpreted. ✓

35. SHORELINE AND ALONGSHORE DETAILS

Reference Item 7. ✓

36. OFFSHORE DETAILS

None noted. ✓

37. LANDMARKS AND AIDS

None. ✓

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been made with T-9677 on the north; T-9876 on the south; T-9867 on the east; and T-9865 on the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

Reference Item 41 of T-9677, T-9865 and T-9876.

T-20S R-23E was applied to the manuscript by holding to The Texas Company map on the north and to T-21S R-23E on the south. The western part of T-21S R-23E was held by detail that is common to the manuscript and the 1952 G.L.O. plat.

All section lines are shown as unreliable.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with Planimetric Map T-5301, scale 1:20,000, compiled from photographs taken in 1933, and with U. S. Geological Survey Quadrangle MINK BAYOU, scale 1:31,680, compiled in 1935.

With the exception of new canals in the oil field development in the southwest section, no outstanding changes were noted.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with Nautical Chart No. 1273, scale 1:80,000, published May 1938 (second edition) corrected to 28 July 1956; and Nautical Chart No. 1274, scale 1:80,000, published July 1938 and corrected to 13 August 1956. The same differences noted under Item 46 apply.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.



ITEMS TO BE CARRIED FORWARD

None.

*Rexford B. Smith Jr.*  
Rexford B. Smith Jr.  
Carto Photo Aid

APPROVED AND FORWARDED

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

T-9866.Geographic Names.

Bay Diego  
Bay Jaque  
Bay Rambo  
Bay Vasier  
Bayou Ferblanc  
Bayou Jaque  
Bayou Lafourche  
Bayou Pierre et Lee

Grand Bayou Blue

Lafourche Parish  
Lake Jesse  
Lake Pierre  
Louisiana

Mink BayouNorth LakePalmetto BayouRound Lake

St. Amelia Church  
Settlement School  
South Lake  
Southwestern Louisiana Canal

According to the 1955 Lafourche Parish Highway Map, old No. 620  
should be No. 1

Names approved 12-5-56  
L. Heck.

50

PHOTOGRAMMETRIC OFFICE REVIEW

T. 9866

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

Classification Label Unclassified

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline WHS 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 WHS 19. Other along-shore cultural features WHS

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines RRW 32. Public land lines RRW

MISCELLANEOUS

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

40. James H. Shearouse  
Reviewer

W. A. Rasure  
Supervisor, Review Section of 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:

15  
- 16 -

FIELD EDIT REPORT  
MAP T-9866

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.

Additions and corrections have been shown on the 1956 photographs and the field edit sheet using red ink.

All deletions have been made on the field edit sheet using green ink.

Field edit information is shown on the discrepancy print, one field edit sheet and three 1956 photographs numbered 56-W-4522, -4523 and -4604.

52. ADEQUACY OF COMPILATION

The compilation will be adequate with the application of the field edit data and other identifiable details of the 1956 photography, providing there are a sufficient amount of 1956 photographs available that are not cloud covered.

53. MAP ACCURACY

No tests, for horizontal or vertical accuracy, were made within the mapped area.

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 25% 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 19 March 1957

*Elgan T. Jenkins*  
Elgan T. Jenkins  
Cartographer

Approved:

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

Review Report of  
Topographic Map T-9866  
September 1958

62. Comparison with Registered Topographic Surveys:

T-5301                      1:20,000                      1934

In the development of oil some changes have taken place in this area--mainly additional canals dredged during the past 20 years. No other differences were noted. T-9866 is to supersede T-5301 for common areas for nautical chart purposes.

63. Comparison with Maps of other Agencies:

MINK BAYOU, LA. 1:31680, 1935, U.S. Geological  
Survey

Differences listed under item 62 apply here also.

64. Comparison with Contemporary Hydrographic Surveys:

There are no contemporary hydrographic surveys of this area.

65. Comparison with Nautical Charts:

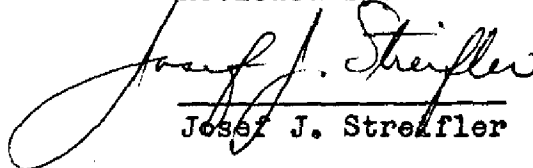
1273	1:80,000	Revised to 58	3/3
1274	1:80,000	Revised to 58	6/23
1050	1:175000	Revised to 57	2/25

The larger scale nautical charts have been revised recently from the photography used in the compilation of subject topographic survey and there is good agreement. The smaller scale nautical chart agrees with T-9866 as well as scale differences permit.

66. Adequacy of Results and Future Surveys:

Field edit based on later photography (1957) was confined to areas adjacent to the only road within the limits of the survey, where the major changes had occurred. A new canal running north and south in the center of the area covered by this quad and other less important changes could readily be identified on the photography for appropriate application to the existing compilation. No deficiencies in accuracy or adequacy are indicated.

Reviewed by:

  
Josef J. Streifler



Chief, Review & Drafting Sec.  
Photogrammetry Division



Chief, Nautical Chart Branch  
Charts Division



Chief, Photogrammetry Div.  
22 Dec 1958



Chief, Coastal Surveys